Baseline Water Quality Data

Inventory and Analysis

Colonial National Historical Park

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

COLONIAL NATIONAL HISTORICAL PARK

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-94/28

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EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Colonial National Historical Park (COLO) from five of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS) and; (5) Flow Gages (GAGES). 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 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 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 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 COLO study area from the IFD, DRINKS, and GAGES databases located 5 industrial/municipal dischargers, 10 drinking water intakes, and no gaging stations. The results of the STORET retrieval for the study area yielded approximately 56,000 observations for 265 separate parameters collected by 4 federal and state government agencies at 232 monitoring stations. No data are available for 43 of these stations. About 73 of these stations were used for stream surveys, and monitoring sediment quality, fish tissues, or particle size. Water quality data are available for the remaining 116 stations. Thirteen stations are within the park boundary. No data are available for six of these stations within the park. Most of the sampling stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Twenty-two stations within the study area yielded longer-term records consisting of multiple observations for several important water quality parameters. An additional 66 stations within the study area yielded long-term records for fecal coliform concentrations. Three stations yielding longer-term records for several water quality parameters within the park are: (1) Colonial Parkway Bridge (COLO 0084); (2) Colonial Parkway Bridge (COLO 0102); and (3) York River: Camp Peary to Yorktown Numbered Sta (COLO0185). Eight stations yielding the longest-term records within the study area, but outside of the park boundary are: (1) VIMS Station 7-James River (COLO 0046); (2) Swann Point (COLO 0065); (3) Hog Point, Buoy 42 (COLO 0069); (4) Buoy 38 (COLO 0074); (5) Route 31 Bridge (COLO 0120); (6) Coleman Bridge off Yorktown Bridge (COLO 0139); (7) Colonial Parkway at Confluence with Whitman Swamp (COLO 0164); and (8) Mouth of King Creek (COLO 0199).

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 COLO water quality criteria screen found 15 parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, chloride, total residual chlorine, cadmium, copper, zinc, and endosulfan exceeded their respective EPA acute or chronic criteria for the protection of aquatic life. Nitrate, sulfate, cadmium, lead, and nickel exceeded their respective EPA drinking water criteria. Indicator bacteria (total and fecal coliform) concentrations and turbidity exceeded the WRD screening limits for primary-body contact recreation and aquatic life, respectively.

Dissolved oxygen concentrations were measured 1424 times at 19 monitoring stations throughout the study area during the period from 1963 through 1993. Fourteen observations at 7 monitoring stations were below the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life. These depressed dissolved oxygen concentrations were reported in the James River, at the confluence of Colonial Parkway with Whitman

Swamp, and in Waller Mill Reservoir (COLO 0046, COLO 0069, COLO 0084, COLO 0164, COLO 0226, COLO 0230, COLO 0231).

The pH was measured 847 times at 37 monitoring stations throughout the study area from 1968 through 1993. Seventy-two observations at 13 monitoring stations were outside the pH range of 6.5 to 9.0 standard units (EPA chronic criteria for protection of freshwater aquatic life). Sixty observations were greater than or equal to pH 9.0 and 12 were less than or equal to pH 6.5. The criteria were exceeded in the James River and it's tributaries, at the Route 31 and Coleman bridges, at the confluence of Colonial Parkway with Whitman Swamp, and the mouth of King Creek (COLO 0065, COLO 0069, COLO 0074, COLO 0102, COLO 0114, COLO 0115, COLO 0116, COLO 0120, COLO 0139, COLO 0164, COLO 0175, COLO 0176, COLO 0199).

Turbidity was measured in the field 59 times at 6 monitoring stations from 1992 through 1993. The WRD screening criterion of 50 NTU was exceeded 4 times at 4 stations at the Colonial Parkway Bridge, and at the confluence of Colonial Parkway with Whitman Swamp (COLO 0084, COLO 0099, COLO 0102, COLO 0164).

Total coliform concentrations were determined 268 times at 10 monitoring stations from 1968 through 1986. Forty-three observations at 7 stations exceeded the 1000 MPN per 100 ml criterion. Fecal coliform concentrations were determined 4858 times (4837 observations were used in criteria analysis; see Introduction for explanation) at 93 stations from 1941 through 1993. Three-hundred-twenty-seven observations at 52 stations exceeded the 200 MPN/CFU per 100 ml criterion.

Nitrate concentrations (total and dissolved as N) were measured 557 times at 35 monitoring stations from 1970 through 1993. One total nitrate observation at the Colonial Parkway Bridge (COLO 0102) exceeded the drinking water criterion of 10 mg/L.

Sulfate concentrations (total and dissolved) were measured 100 times at 26 monitoring stations from 1971 through 1993. Total sulfate concentrations exceeded the proposed drinking water criterion of 400 mg/L 17 times at 4 stations (COLO 0102, COLO 0164, COLO 0194, COLO 0214).

Chloride concentrations (total and dissolved) were measured 168 times at 31 monitoring stations from 1970 through 1993. Total chloride concentrations exceeded the acute freshwater criterion of 860 mg/L 69 times at 11 monitoring stations in the James River, at the confluence of Colonial Parkway with Whitman Swamp, at Colonial Parkway and Route 132 bridges, and the mouth of King Creek (COLO 0050, COLO 0069, COLO 0074, COLO 0084, COLO 0092, COLO 0099, COLO 0102, COLO 0164, COLO 0194, COLO 0199, COLO 0214).

Total residual chlorine concentrations were measured 6 times at 4 monitoring stations from 1975 through 1983. The acute freshwater criterion of 0.019 mg/L was exceeded twice at Swann Point (COLO 0065) in 1983.

Total cadmium concentrations were measured 70 times (8 observations were used in criteria analysis; see Introduction for explanation) at 9 monitoring stations from 1971 through 1984. The acute freshwater criterion of 3.9 µg/L and the drinking water criterion of 5 µg/L were each exceeded 4 times at 2 stations (COLO 0164, COLO 0199).

Total copper concentrations were measured 93 times at 9 stations from 1970 through 1984. The acute freshwater criterion of 18 µg/L was exceeded 31 times at 7 stations (COLO 0065, COLO 0069, COLO 0084, COLO 0102, COLO 0139, COLO 0164, COLO 0199).

Total lead concentrations were measured 83 times (68 observations were used in drinking water criteria analysis; see Introduction for explanation) at 9 stations from 1971 through 1984. The proposed drinking water criterion of 5 µg/L was exceeded 46 times at 7 stations (COLO 0074, COLO 0084, COLO 0102, COLO 0120, COLO 0139, COLO 0164, COLO 0199).

Nickel concentrations (including total and dissolved nickel) were measured 62 times at 8 monitoring stations from 1973 through 1984. The total nickel concentration exceeded the proposed drinking water criterion of 100 µg/L

once at station COLO 0139. The dissolved concentration exceeded the criterion 4 times at stations COLO 0102, COLO 0164, and COLO 0199.

Total zinc concentrations were measured 92 times at 9 monitoring stations from 1970 through 1984. The acute freshwater criterion of 120 µg/L was exceeded 8 times at 5 monitoring stations (COLO 0084, COLO 0102, COLO 0120, COLO 0139, COLO 0164).

The endosulfan concentration was measured once at the mouth of King Creek (COLO 0199) in 1971. The reported concentration of 2.5 µg/L exceeded the acute freshwater criterion of 0.22 µg/L.

The IDEA conducted for COLO indicates that STORET data exist for all Level I parameter groups in the study area. Sufficient quantities of data were retrieved for most of the required parameters. Results for 33 of the 127 EPA priority toxic pollutants (including inorganic parameters, general organics, pesticides, and PCB's) were retrieved from STORET. The organic and pesticide data were primarily from 3 stations (COLO 0102, COLO 0139, COLO 0231).

The COLO study area lies within the coastal plain of Virginia with the park lands having a hydrological link to the Chesapeake Bay. Most of the park extends along either the York or James rivers and numerous streams, creeks, and ponds flow through the park and feed into one of these two rivers. Most of the water bodies in the park have portions of their upstream stretches outside of park boundaries. As a result, activities outside of the park influence water quality within the park. Potential sources of contaminants include industrial and municipal wastewater discharges, stormwater runoff from developed areas, septic leachate, boats, and marinas. The data inventories and analyses contained in this report indicate generally good surface water quality within the study area.

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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.

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.

Julie Mattick and Scott Grover helped prepare the report, write the Executive Summary, and produce the seasonal hydrograph.

Joe Gregson provided digital cartographic support, both in determining retrieval/query areas and producing graphics.

Jacquie Nolan designed the cover and provided publications support.

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.

Kendrick Gordon served as the Production Technician and was responsible for executing the software and procedures to produce the park unit chapters.

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.

<u>STORET Edit Criteria</u>

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

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

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

Date Screen

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

Station Type Screen

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

Station Types Included In Retrieval

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

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

Phase 0 Parameter Screen

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

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

Phase 1 Parameter Screen

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

Media Type Screen

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

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

Remark Code Screen

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

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

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

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

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

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

Composite Type Screen

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

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

Phase 2 Parameter Screen

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

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

Observations/Period of Record Screen

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

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

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

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

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

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

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

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

Statistical Definitions

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

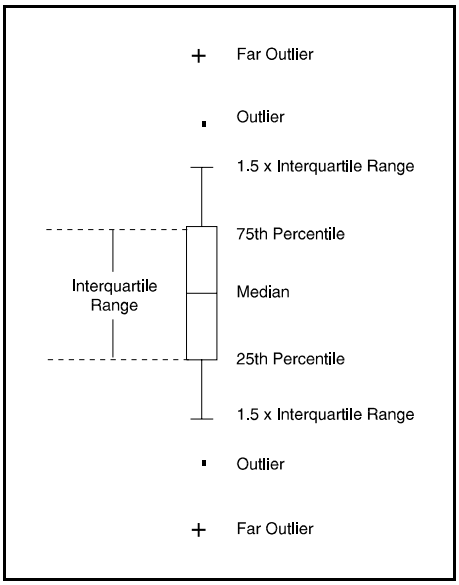
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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

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

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

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



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

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

Overview

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

Regional Location Map

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

Water Quality Monitoring Locations Map(s)

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

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

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

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

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

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

Representative Mean Annual Hydrograph for Seasonal Analysis

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

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

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

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

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

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

Contacts for Agency Codes Retrieved

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

Quantity of Data Retrieved by Agency Code

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

Station Period of Record Tabulation

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

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

Parameter Period of Record Tabulation

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

Station/Parameter Period of Record Tabulation

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

Station-By-Station Results

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

Station Inventory for Station

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

Parameter Inventory for Station

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

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

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

EPA Water Quality Criteria Analysis for Station

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

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

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

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

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

Time Series Plots for Station

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

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

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

Annual Analysis for Station

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

Annual Box-and-Whiskers Plots for Station

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

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

Seasonal Analysis for Station

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

Seasonal Box-and-Whiskers Plots for Station

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

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

EPA Water Quality Criteria Analysis for Entire Park Study Area

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

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

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

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

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

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

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

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

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

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

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

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

Water Quality Observations Outside STORET Edit Criteria for Park

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

WATER QUALITY RESULTS

OVERVIEW FOR COLO[1]

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:	86784	9600
# STORET Stations:	232	13
# Stations With No Data:	43	6
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	22	3
Date of STORET Retrieval:	10/01/93	10/01/93
Period of Record:	08/17/41-08/25/93	07/14/69-08/25/93
# Parameters Measured:	265	120
# Water Quality Observations:	56195	4094
# Industrial/Municipal Facilities:	5	2
# Drinking Water Intakes:	10	0
# Water Gages:	0	0
# Water Impoundments:	17	1
# Total Plots:	98	5
# Time Series:	35	3
# Annual:	51	2
# Seasonal:	12	0

Hydrologic Definition of Seasons:

1. July 1 - October 15
2. October 16 - February 28
3. March 1 - June 30

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 18 years and at least 104 observations.

Annual Analysis Criteria:

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

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

Seasonal Analysis Criteria:

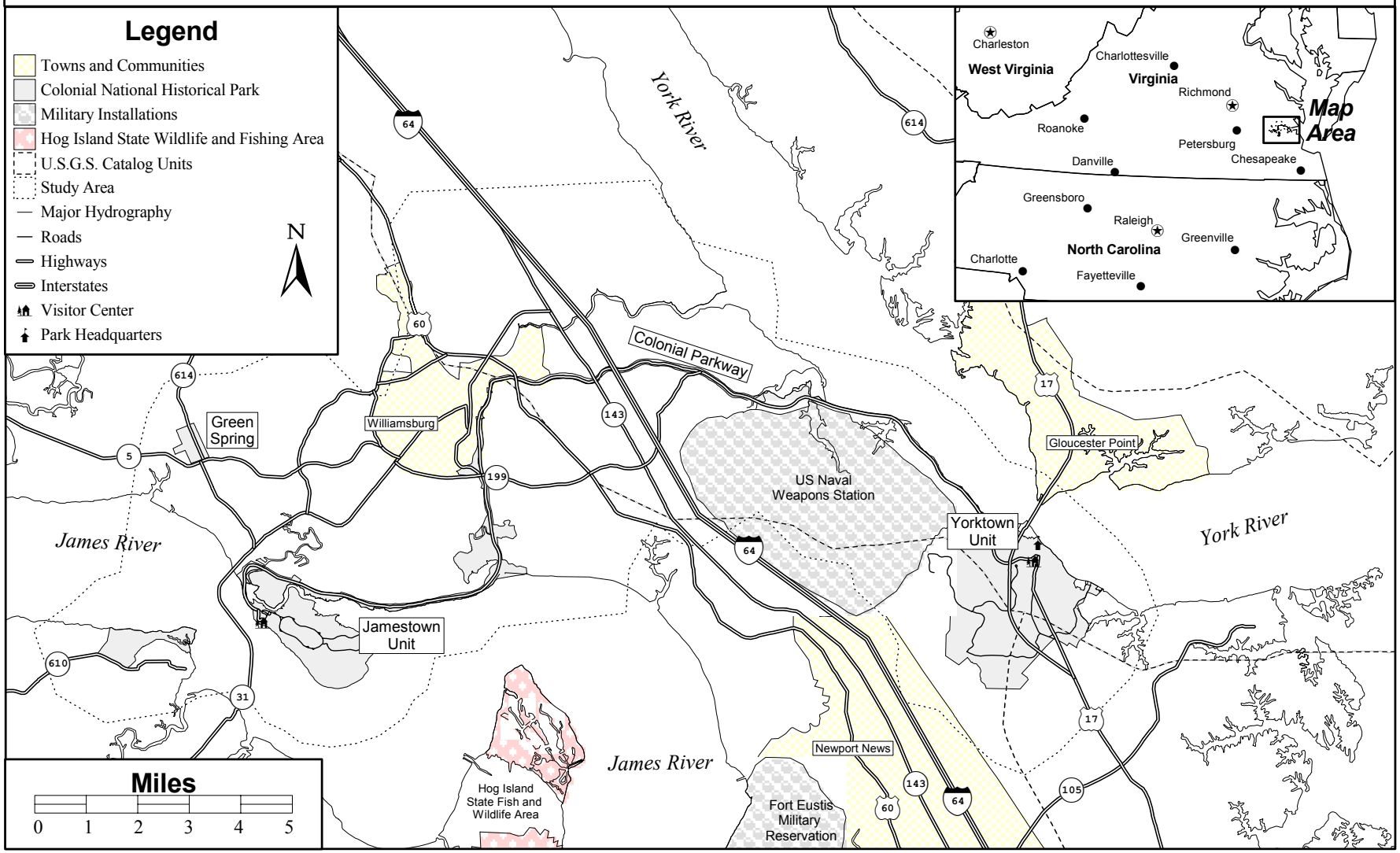
To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 25 years and observations in at least 4 of the 25 years.

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

[1]To prepare a Microsoft Word version of this report, data were reprocessed 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).

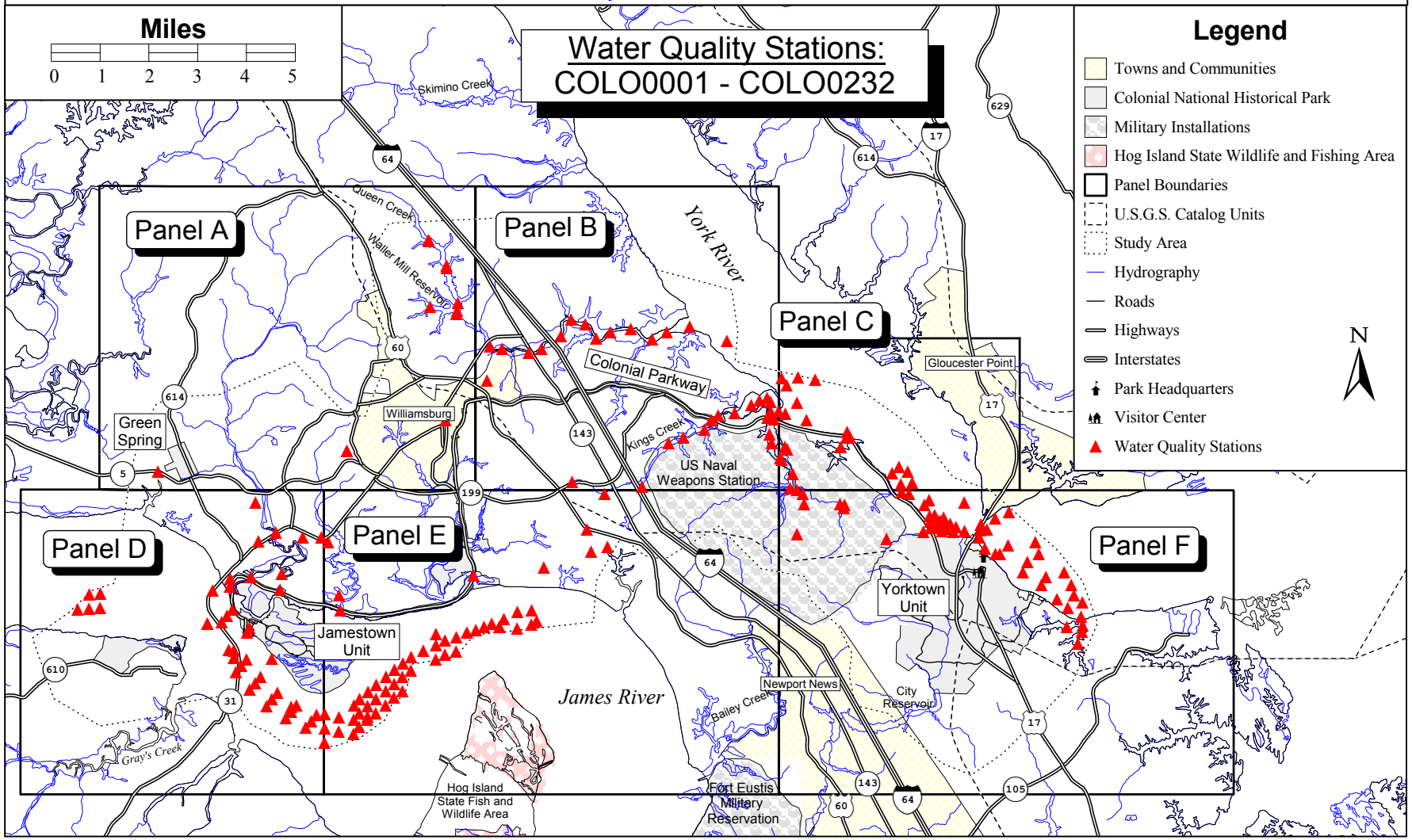
Colonial National Historical Park

Regional Location Map



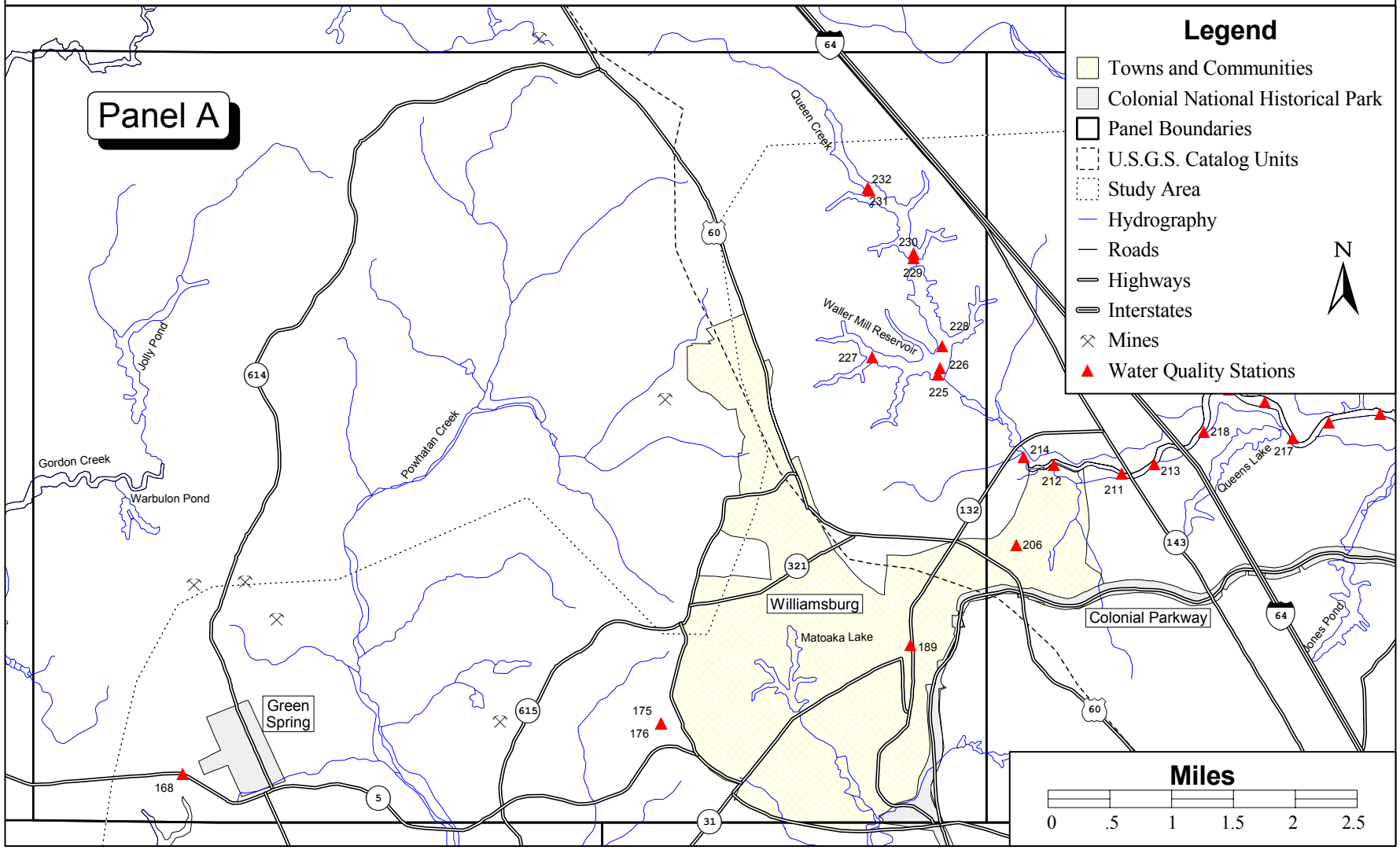
Colonial National Historical Park

Water Quality Monitoring Locations
Graphic Panel Index



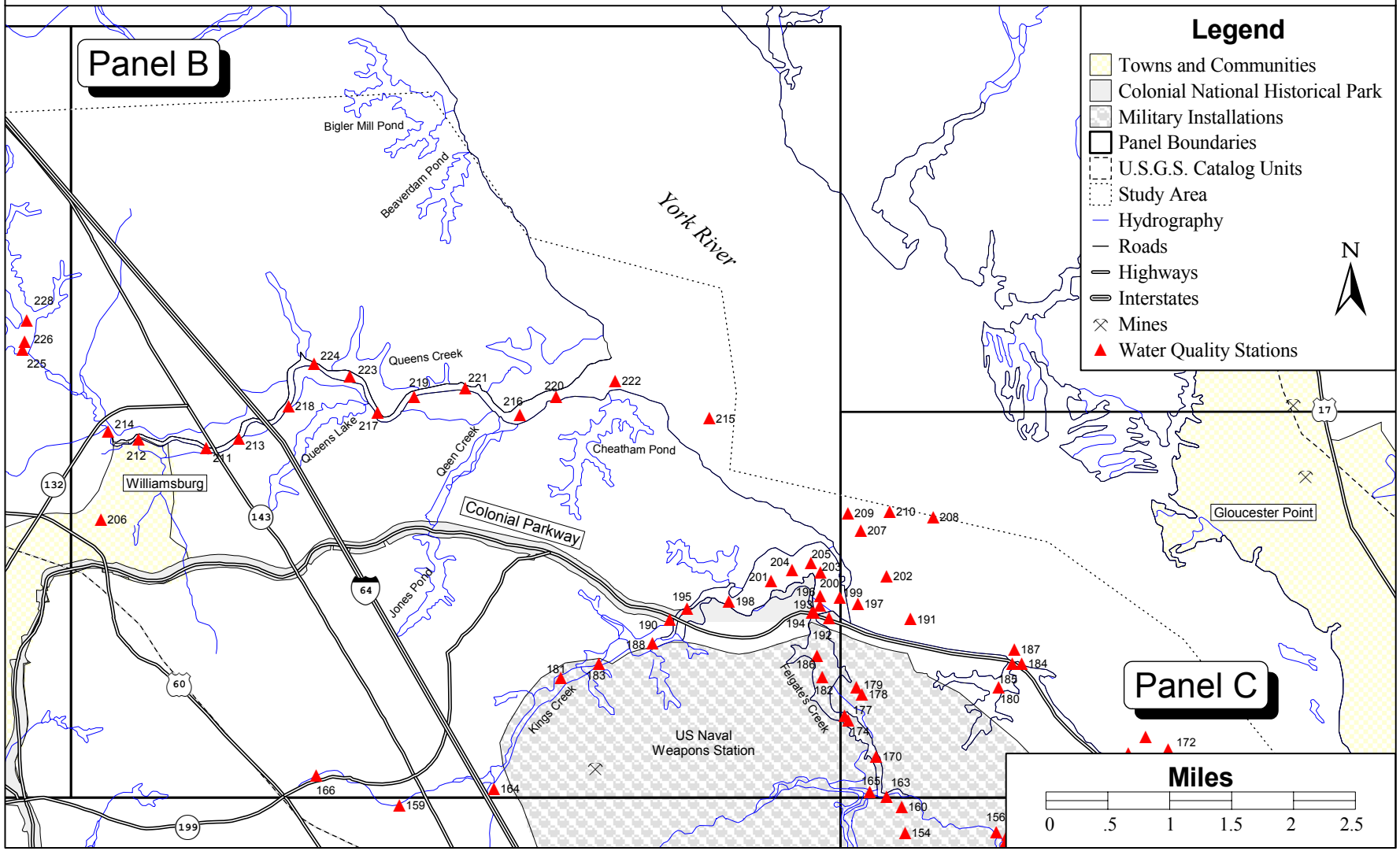
Colonial National Historical Park

Water Quality Monitoring Locations



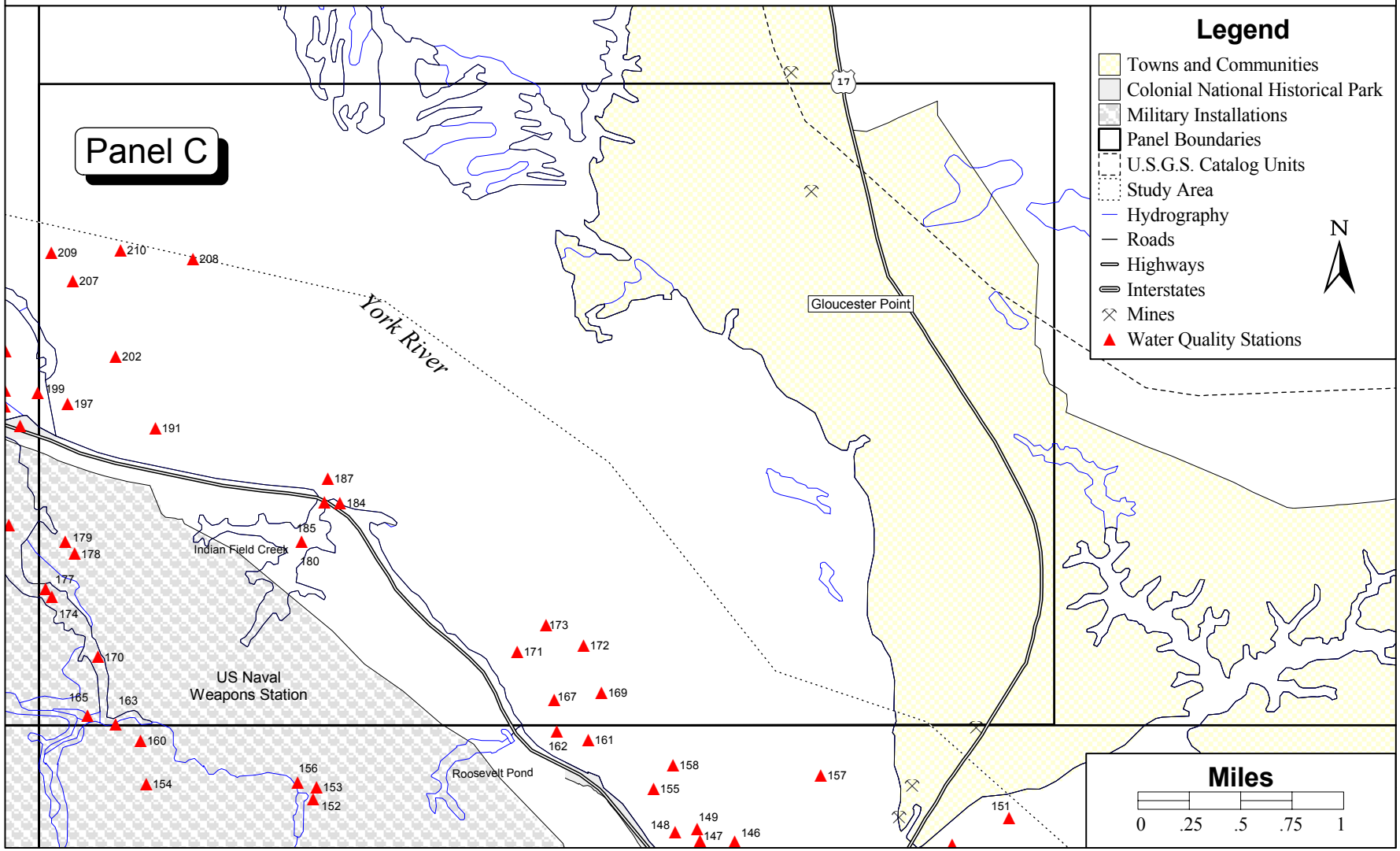
Colonial National Historical Park

Water Quality Monitoring Locations



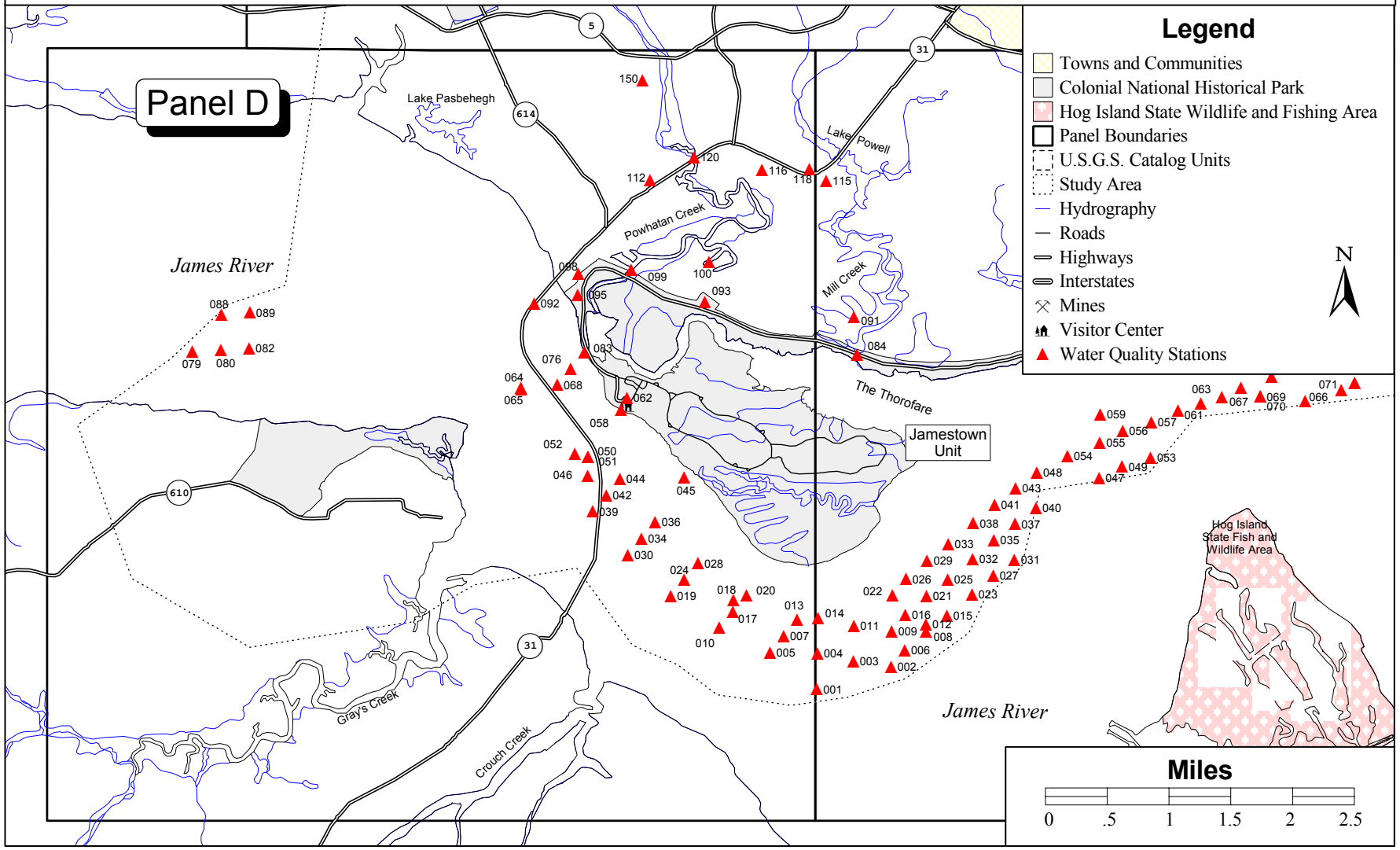
Colonial National Historical Park

Water Quality Monitoring Locations



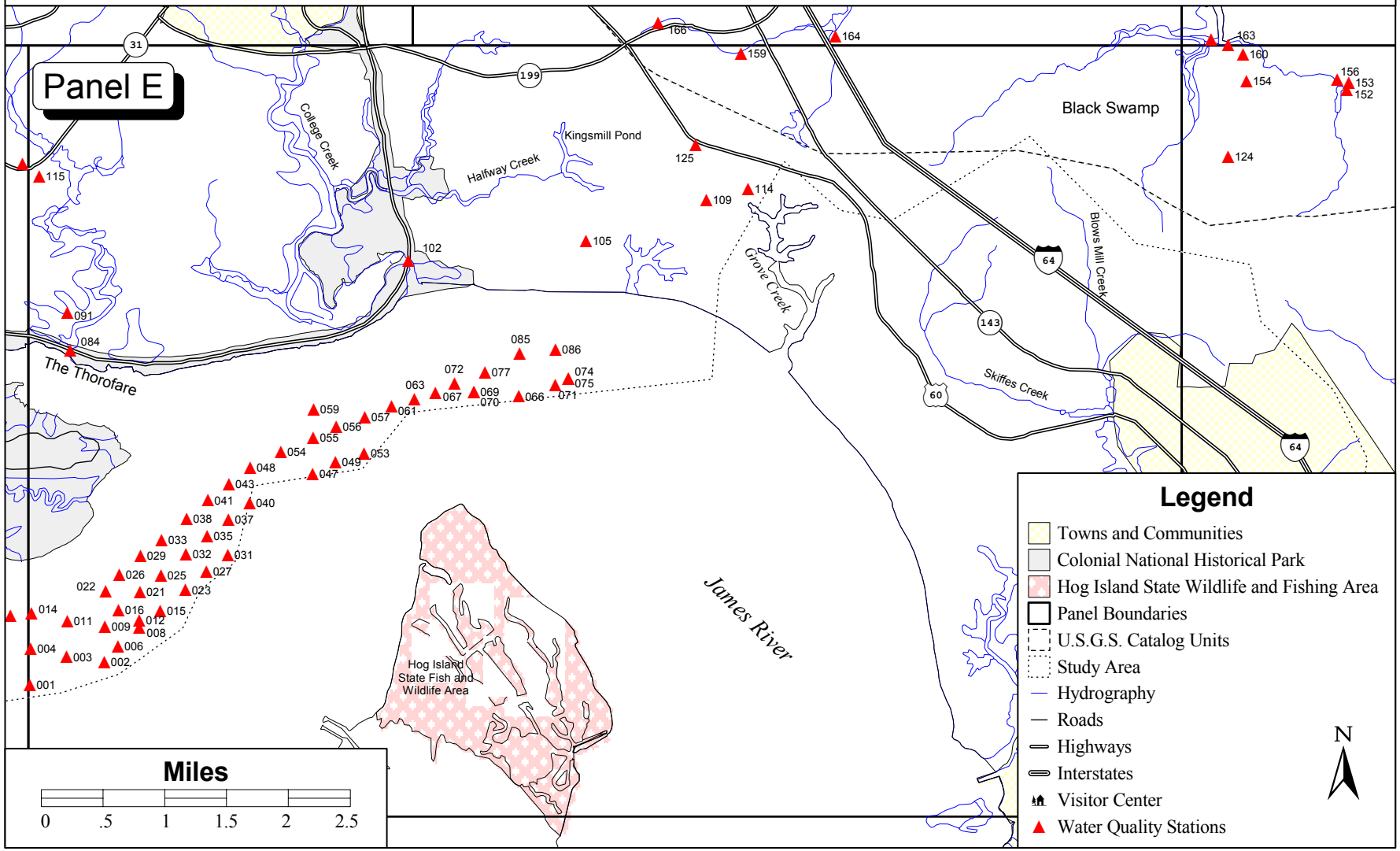
Colonial National Historical Park

Water Quality Monitoring Locations



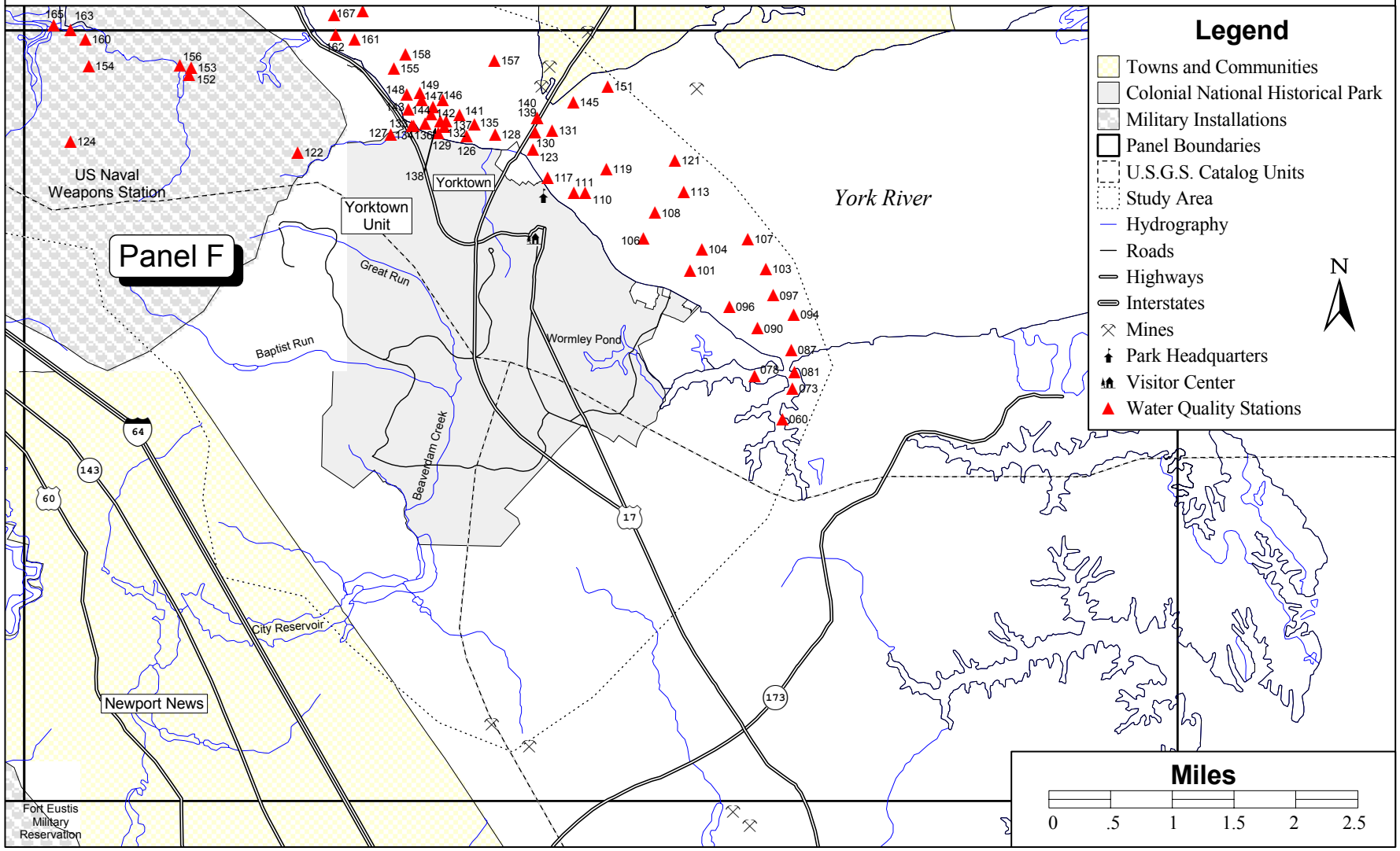
Colonial National Historical Park

Water Quality Monitoring Locations



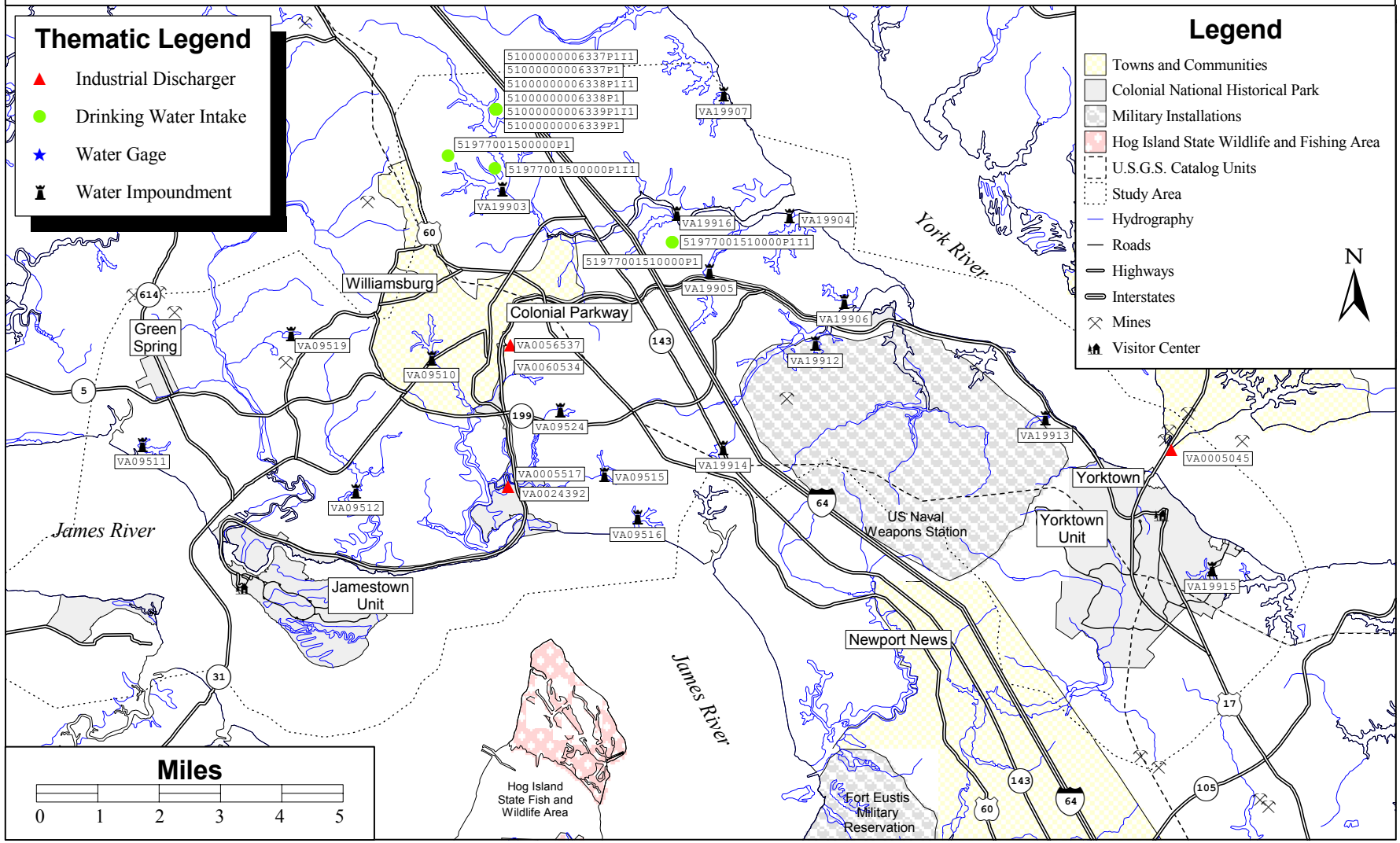
Colonial National Historical Park

Water Quality Monitoring Locations



Colonial National Historical Park

Dischargers, Drinking Intakes, Water Gages & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, and Stream Gages Within the COLO Study Area

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
VA0005045	HOGGS OYSTER CO - GLOUSTER PT	.....	GLOUCESTER POINT	YORK RIVER
VA0005517	HAZELWOOD BROS FISH PLANT	P O BOX 84	LANEXA	UPPER BACK CK
VA0024392	U.S. DOD - ARMED FORCES EXPERI	.....	WILLIAMSBURG	TR TO JAMES R
VA0056537	WILLIAMSBURG WFP CITY OF	.....	WILLIAMSBURG	QUEENS C
VA0060534	EWELL WATER & SEWER CORP	.....	WILLIAMSBURG	LONGHILL SWAMP

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
51000000006337P1	TREATMENT PLANT	YORKTOWN	1664	6400.00
51000000006337P1I1	WALLERS MILL RV	YORKTOWN	1664	6400.00
51000000006338P1	TREATMENT PLANT	RICHMOND	100	0000.00
51000000006338P1I1	WALLERS MILL RV	RICHMOND	100	0000.00
51000000006339P1	TREATMENT PLANT	RICHMOND	1468	6800.00
51000000006339P1I1	WALLERS MILL RV	RICHMOND	1468	6800.00
51977001500000P1	TREATMENT PLANT	WILLIAMSBURG	17500	5000.00
51977001500000P1I1	WALLERS MILL RE	WILLIAMSBURG	17500	5000.00
51977001510000P1	TREATMENT PLANT	WILLIAMSBURG	270	-
51977001510000P1I1	JONES POND	WILLIAMSBURG	270	-

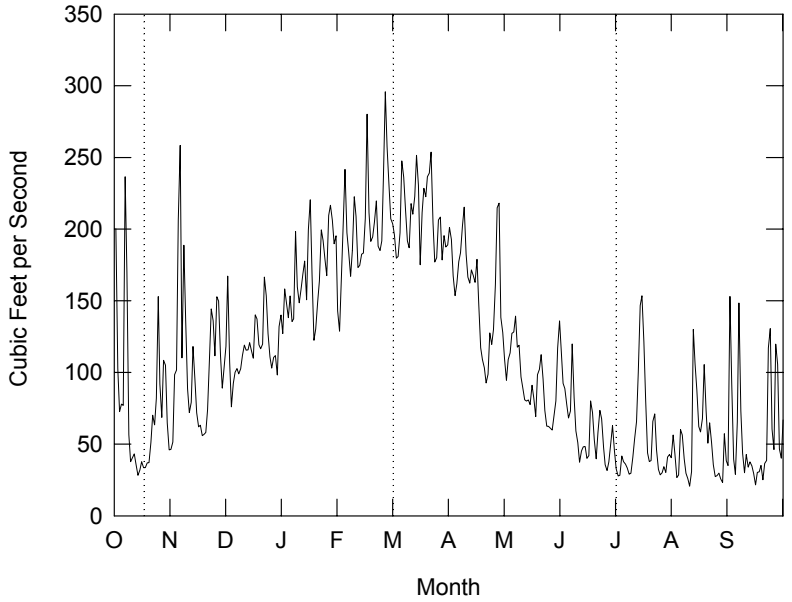
USGS Stream Gages

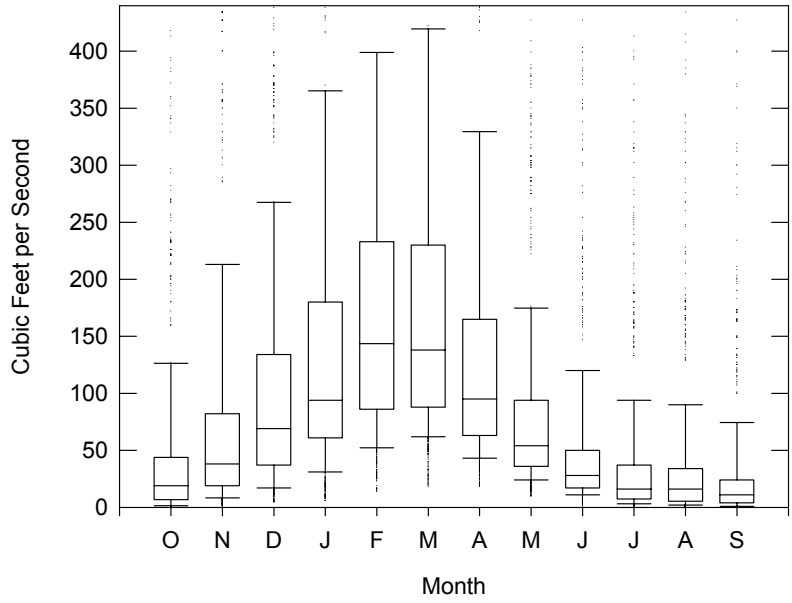
Site ID	Station Name	Catalog Unit	Drainage Area (Square Miles)	USGS Mean Annual Flow (Cubic Feet/Second)

No stream flow gages available for this study area.

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

COLONIAL NATIONAL HISTORICAL PARK
Stony Creek near Dinwiddie, VA
02046000, 41 year record





Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Colonial National Historical Park are: Jul. 1 to Oct. 14, Oct. 15 to Feb. 28, and Mar. 1 to Jun. 30.

CONTACTS FOR AGENCY CODES RETRIEVED FOR COLO

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
11NORCOR	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050	(800)424-9067
* DATA FOR 11NORCOR HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (703)883-8861 ON 03/14/86.				
21VASWCB	POLLOCK, VERA	VA DEPT OF ENVIRONMENTAL	(804)527-5224	
CHESBAY	BOSTATER, CHARLES	MARYLAND DEPT OF NAT RES	(301)269-3767	
112WRD	YORKE, TOM	US GEOLOGICAL SURVEY	(703)648-5687	
12NSS	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(503)754-4427	
1113VABD	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176	

QUANTITY OF DATA RETRIEVED FOR COLO BY AGENCY CODE

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

		Period of Record		Water Quality Stations		Longer Term[1] Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
Agency	Organization	Study Area /	Park Only	S.A. /	Park	S.A. /	Park	S.A. /	Park	S.A. /	Park	S.A. /	Park
11NORCOR	USEPA HQ	10/15/72-10/15/72	No Data in Park	67	0	0	0	6	0	244	0	4	0
21VASWCB	VA DEPT OF ENVIRONMENTAL	08/17/41-08/25/93	07/14/69-08/25/93	118	5	22	3	16	2	44655	3911	214	89
CHESBAY	MARYLAND DEPT OF NAT RES	01/24/53-11/08/78	No Data in Park	10	0	0	0	6	0	9747	0	13	0
112WRD	US GEOLOGICAL SURVEY	07/01/71-09/20/84	07/20/71-12/12/77	20	4	0	0	0	0	1518	183	48	41
12NSS	EPA ENVIRONMENTAL RES LAB	03/19/86-03/19/86	No Data in Park	2	0	0	0	0	0	31	0	27	0
1113VABD	USEPA REGION 3	No Data in S.A.	No Data in Park	15	4	0	0	15	4	0	0	0	0
Totals		08/17/41-08/25/93	07/14/69-08/25/93	232	13	22	3	43	6	56195	4094	265	120

[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 08/17/41 To 08/25/93

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75
COLO0001	30.50 BLACK	No	4	0	0	4
COLO0002	29.25 BLACK	No	4	0	0	4
COLO0003	30.00 CENTER	No	4	0	0	4
COLO0004	30.50 CENTER	No	4	0	0	4
COLO0005	31.00 BLACK	No	4	0	0	4
COLO0006	29.00 BLACK	No	4	0	0	4
COLO0007	31.00 CENTER	No	4	0	0	4
COLO0008	28.75 BLACK	No	4	0	0	4
COLO0009	29.25 CENTER	No	4	0	0	4
COLO0010	31.50 BLACK	No	4	0	0	4
COLO0011	30.00 RED	No	4	0	0	4
COLO0012	VIMS STATION J52 - JAMES RIVER	No	0	0	0	0
COLO0013	31.00 RED	No	4	0	0	4
COLO0014	30.50 RED	No	4	0	0	4
COLO0015	28.50 BLACK	No	4	0	0	4
COLO0016	29.00 CENTER	No	4	0	0	4
COLO0017	31.50 CENTER	No	4	0	0	4
COLO0018	JAMES RIVER, BUOY 54	No	38	0	0	38
COLO0019	32.00 BLACK	No	4	0	0	4
COLO0020	31.50 RED	No	4	0	0	4
COLO0021	28.75 CENTER	No	4	0	0	4
COLO0022	29.25 RED	No	4	0	0	4
COLO0023	28.25 BLACK	No	4	0	0	4
COLO0024	32.00 CENTER	No	4	0	0	4
COLO0025	28.50 CENTER	No	4	0	0	4
COLO0026	29.00 RED	No	4	0	0	4
COLO0027	28.00 BLACK	No	4	0	0	4
COLO0028	32.00 RED	No	4	0	0	4
COLO0029	28.75 RED	No	4	0	0	4
COLO0030	32.50 BLACK	No	4	0	0	4
COLO0031	27.75 BLACK	No	4	0	0	4
COLO0032	28.75 CENTER	No	4	0	0	4
COLO0033	28.50 RED	No	0	0	0	0
COLO0034	32.50 CENTER	No	4	0	0	4
COLO0035	28.00 CENTER	No	4	0	0	4
COLO0036	32.50 RED	No	4	0	0	4
COLO0037	27.75 CENTER	No	4	0	0	4
COLO0038	28.25 RED	No	4	0	0	4
COLO0039	33.00 BLACK	No	4	0	0	4
COLO0040	27.50 CENTER	No	0	0	0	0
COLO0041	28.00 RED	No	4	0	0	4
COLO0042	33.00 CENTER	No	0	0	0	0
COLO0043	27.75 RED	No	4	0	0	4
COLO0044	33.00 RED	No	4	0	0	4
COLO0045	VIMS STATION JS16 - JAMES RIVER	No	0	0	0	0
COLO0046	VIMS STATION 7 - JAMES RIVER	No	1219	0	0	1219
COLO0047	27.00 CENTER	No	4	0	0	4
COLO0048	27.50 RED	No	4	0	0	4
COLO0049	26.75 CENTER	No	4	0	0	4
COLO0050	BUOY 55	No	109	0	0	109
COLO0051	JAMES RIVER, BUOY 55	No	66	0	0	66
COLO0052	VIMS STATION J36 - JAMES RIVER	No	0	0	0	0
COLO0053	26.50 CENTER	No	4	0	0	4
COLO0054	27.25 RED	No	4	0	0	4
COLO0055	27.00 RED	No	4	0	0	4
COLO0056	26.75 RED	No	4	0	0	4
COLO0057	26.50 RED	No	4	0	0	4
COLO0058	56F 11	Yes	68	0	68	0
COLO0059	JAMES RIVER OFF HOG ISLAND	No	0	0	0	0
COLO0060	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	256	0	116	140
COLO0061	26.25 RED	No	0	0	0	0
COLO0062	56F 12	Yes	39	0	6	33
COLO0063	26.00 RED	No	4	0	0	4
COLO0064	SWANN'S POINT JRWQMP STA.19 VIMS SLACK WATER STA	No	0	0	0	0
COLO0065[1]	SWANN POINT	No	7196	6196	473	527
COLO0066	25.00 CENTER	No	4	0	0	4
COLO0067	25.75 RED	No	4	0	0	4
COLO0068	33.50 BLACK	No	4	0	0	4
COLO0069[1]	HOG POINT, BUOY 42	No	726	0	0	726
COLO0070	JAMES RIVER, OFF HOG POINT NEAR BUOY 42	No	9	0	0	9
COLO0071	24.75 CENTER	No	4	0	0	4

Station Period of Record Tabulation
From 08/17/41 To 08/25/93

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75
COLO0072	25.50 RED	No	4	0	0	4
COLO0073	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	492	0	324	168
COLO0074[1]	BUOY 38	No	618	0	618	0
COLO0075	JAMES RIVER, NEAR BUOY 38	No	103	0	0	103
COLO0076	33.50 CENTER	No	4	0	0	4
COLO0077	25.25 RED	No	4	0	0	4
COLO0078	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	516	0	348	168
COLO0079	37.00 BLACK	No	4	0	0	4
COLO0080	36.75 BLACK	No	4	0	0	4
COLO0081	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	361	0	309	52
COLO0082	36.50 BLACK	No	4	0	0	4
COLO0083	33.50 RED	No	4	0	0	4
COLO0084[1]	COLONIAL PQWY BRIGDE	Yes	984	398	493	93
COLO0085	25.00 RED	No	0	0	0	0
COLO0086	24.75 RED	No	0	0	0	0
COLO0087	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	565	0	361	204
COLO0088	36.75 CENTER	No	4	0	0	4
COLO0089	36.50 CENTER	No	4	0	0	4
COLO0090	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	136	0	136	0
COLO0091	CENTER LAKE POWELL (YORK CO)	No	0	0	0	0
COLO0092	JAMES RIVER AT JAMESTOWN FERRY PIER, VA	No	132	0	132	0
COLO0093	56F 15	Yes	37	0	37	0
COLO0094	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	573	0	365	208
COLO0095	56F 14	Yes	39	0	39	0
COLO0096	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	569	0	361	208
COLO0097	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	585	0	373	212
COLO0098	56F 13	No	112	0	79	33
COLO0099	COLONIAL PARKWAY BRIDGE (JAMES CITY COUNTY)	No	289	289	0	0
COLO0100	56F 21	No	118	0	118	0
COLO0101	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	577	0	369	208
COLO0102[1]	COLONIAL PKWY BRIDGE	Yes	2423	420	1749	254
COLO0103	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	598	0	366	232
COLO0104	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	581	0	373	208
COLO0105	57F 7	No	38	0	38	0
COLO0106	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	413	0	313	100
COLO0107	YORK RIV VCB0069	No	7	0	7	0
COLO0108	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	437	0	321	116
COLO0109	57F 14	No	79	0	79	0
COLO0110	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	577	0	369	208
COLO0111	VIMS STATION L52 - YORK RIVER	No	8514	0	0	8514
COLO0112	56F 18	No	80	0	80	0
COLO0113	MIDSTRE. BTN AMOCO PIER AND SARAH'S CK BUOY 2	No	0	0	0	0
COLO0114	57F 8	No	75	0	75	0
COLO0115	57F 10	No	69	0	69	0
COLO0116	56F 22	No	76	0	76	0
COLO0117	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	108	0	108	0
COLO0118	56F 23	No	77	0	77	0
COLO0119	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	417	0	317	100
COLO0120[1]	ROUTE 31 BRIDGE	No	197	0	197	0
COLO0121	YORK RIV VCB0070	No	7	0	7	0
COLO0122	BARRACKS ROAD 2ND BALLARD CR	No	0	0	0	0
COLO0123[1]	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	858	0	552	306
COLO0124	NEAR OLD WILLIAMSBURG ROAD	No	0	0	0	0
COLO0125	57F 9	No	78	0	78	0
COLO0126	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	429	0	317	112
COLO0127	CR NEAR COLONIAL PARKWAY	Yes	0	0	0	0
COLO0128[1]	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	682	0	517	165
COLO0129	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	4	0	0	4
COLO0130[1]	YORK RIVER, AT COLEMAN BRIDGE,YRM, NSSP STATION	No	431	0	331	100
COLO0131	YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA	No	429	0	313	116
COLO0132	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	228	0	224	4
COLO0133	COLONIAL PARKWAY	Yes	0	0	0	0
COLO0134	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	Yes	0	0	0	0
COLO0135	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	224	0	220	4
COLO0136	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	228	0	224	4
COLO0137	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	20	0	16	4
COLO0138[1]	YORK RIVER CLIFFS	No	28	0	28	0
COLO0139[1]	COLEMAN BR. OFF YORKTOWN BRIDGE	No	2256	123	2133	0
COLO0140	YORK RIVER AT COLEMAN BRIDGE	No	72	0	72	0
COLO0141	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	406	0	276	130
COLO0142	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	85	0	81	4

Station Period of Record Tabulation
From 08/17/41 To 08/25/93

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75
COLO0143	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	20	0	16	4
COLO0144	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	184	0	72	112
COLO0145[1]	SARAH CREEK AND PERRIN RIVER NUMBERED STATION	No	540	0	394	146
COLO0146	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	297	0	293	4
COLO0147	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	20	0	16	4
COLO0148	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	229	0	225	4
COLO0149	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	396	0	272	124
COLO0150	56F 19	No	121	0	121	0
COLO0151	SARAH CREEK AND PERRIN RIVER NUMBERED STATION	No	312	0	304	8
COLO0152	LEE POND BELOW DISCHOOL	No	0	0	0	0
COLO0153	NORTHEAST SIDE OF LEE POND	No	0	0	0	0
COLO0154	LEE POND	No	0	0	0	0
COLO0155	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	229	0	117	112
COLO0156	FELGATES CREEK	No	27	27	0	0
COLO0157	YORK R:GLOUCESTER PT-ALLMONDSVILLE NUMBERED STA	No	396	0	336	60
COLO0158	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	461	0	349	112
COLO0159	JAMES CITY CO. STP - IMPACT STATION - YORK CO.	No	0	0	0	0
COLO0160	BLACK SWAMP, NEAR CARP CIRCLE	No	0	0	0	0
COLO0161	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	12	0	4	8
COLO0162	AT COLONIAL PARKWAY	No	0	0	0	0
COLO0163	FELGATES CREEK	No	4	4	0	0
COLO0164[1]	COLONIAL PARKWAY AT CONF. WITH WHITMAN SWAMP	No	1432	417	441	574
COLO0165	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	0	0	0	0
COLO0166	JAMES CITY CO. STP - CONTROL STATION - YORK CO.	No	0	0	0	0
COLO0167	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	4	0	0	4
COLO0168	JAMES RIVER TRIBUTARY NEAR FIVE FORKS, VA	No	28	0	28	0
COLO0169	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	188	0	68	120
COLO0170	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	80	0	76	4
COLO0171	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	462	0	346	116
COLO0172	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	459	0	347	112
COLO0173	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	426	0	284	142
COLO0174	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	80	0	80	0
COLO0175	57G 27	No	76	0	76	0
COLO0176	57G 26	No	116	0	116	0
COLO0177	FELGATES CREEK BELOW DIS 004	No	0	0	0	0
COLO0178	FELGATES CREEK BELOW DIS 003	No	0	0	0	0
COLO0179	FELGATES CREEK	No	0	0	0	0
COLO0180	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	232	0	192	40
COLO0181	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	0	0	0	0
COLO0182[1]	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	367	0	260	107
COLO0183	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	0	0	0	0
COLO0184	CREEK AT COLONIAL PARKWAY	No	0	0	0	0
COLO0185[1]	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	Yes	504	0	366	138
COLO0186	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	413	0	317	96
COLO0187[1]	W.S. NAVAL WEAPONS STATION	No	28	0	28	0
COLO0188	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	Yes	0	0	0	0
COLO0189	57G 32	No	60	0	34	26
COLO0190	COLONIAL PARKWAY	Yes	0	0	0	0
COLO0191[1]	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	525	0	388	137
COLO0192	CREEK AT COLONIAL PARKWAY	Yes	0	0	0	0
COLO0193[1]	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	513	0	378	135
COLO0194	COLONIAL PARKWAY BRIDGE (YORK COUNTY)	No	283	283	0	0
COLO0195	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	32	0	32	0
COLO0196[1]	U.S. NAVAL WEAPONS STATIONS	No	27	0	27	0
COLO0197	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	489	0	369	120
COLO0198	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	53	0	53	0
COLO0199[1]	MOUTH OF KING CREEK	No	882	0	420	462
COLO0200[1]	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	541	0	414	127
COLO0201	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	152	0	152	0
COLO0202	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	489	0	373	116
COLO0203	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	472	0	349	123
COLO0204[1]	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	399	0	288	111
COLO0205	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	218	0	217	1
COLO0206	15 YDS FROM SPILLWAY IN FOREST HILL PARK LAKE	No	7	7	0	0
COLO0207	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	285	0	281	4
COLO0208	VIMS STATION L53 - YORK RIVER	No	0	0	0	0
COLO0209	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	445	0	337	108
COLO0210	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	313	0	289	24
COLO0211	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	209	0	70	139
COLO0212	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	0	0	0	0
COLO0213	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	0	0	0	0

Station Period of Record Tabulation
From 08/17/41 To 08/25/93

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75
COLO0214	ROUTE 132 BRIDGE (YORK COUNTY)	No	269	269	0	0
COLO0215	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	463	0	346	117
COLO0216	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	449	0	337	112
COLO0217	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	258	0	146	112
COLO0218	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	164	0	56	108
COLO0219	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	193	0	188	5
COLO0220	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	454	0	334	120
COLO0221	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	412	0	296	116
COLO0222	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	462	0	338	124
COLO0223	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	254	0	142	112
COLO0224	YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA	No	0	0	0	0
COLO0225	STA #3 - APPROX 200 FEET FROM DAM	No	0	0	0	0
COLO0226	WALLER MILL RESERVOIR STA #3 30 M ABOVE SPILLWAY	No	45	45	0	0
COLO0227	STA #4 - MIDSTR. APPROX. 3000 FT. W OF DAM	No	44	44	0	0
COLO0228	STA #4 - MIDSTR. APPROX. 3000 FT. WEST OF DAM	No	0	0	0	0
COLO0229	STA #2 - MIDSTR. APPROX 200 FT. N OF RT. 645	No	0	0	0	0
COLO0230	WALLER MILL RESERVOIR STA #2 20 M N RT. 645	No	49	49	0	0
COLO0231	WALLER MILL RESERV. STA #1, 1KM N RT. 645	No	135	124	11	0
COLO0232	STA #1 - MIDSTR. APPROX 3700 FT. NW OFF RT. 645	No	0	0	0	0

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

Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Parameter Code	Name	Total Obs	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	542	75	266	201	16	2
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	333	0	152	181	13	2
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	4302	668	590	3044	50	7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	2269	0	7	2262	3	0
00023	SAMPLE WEIGHT IN POUNDS	20	3	17	0	1	0
00024	SAMPLE LENGTH IN INCHES	19	3	15	1	2	0
00041	WEATHER (WMO CODE 4501)	901	406	316	179	20	2
00061	FLOW, STREAM, INSTANTANEOUS CFS	8	0	8	0	1	0
00064	DEPTH OF STREAM, MEAN (FT)	2	2	0	0	2	0
00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	8736	392	4829	3515	94	3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	14	1	1	12	5	0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	6	6	0	0	1	0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	35	0	0	35	1	0
00078	TRANSPARENCY, SECCHI DISC (METERS)	140	125	15	0	1	0
00080	COLOR (PLATINUM-COBALT UNITS)	69	30	37	2	26	6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	824	666	158	0	12	2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	169	121	45	3	29	6
00096	SALINITY AT 25 DEGREES C (MG/ML)	679	652	27	0	7	2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	701	662	39	0	12	2
00300	OXYGEN, DISSOLVED MG/L	929	165	302	462	12	2
00310	BOD, 5 DAY, 20 DEG C MG/L	211	59	126	26	12	2
00340	COD, .25N K2CR2O7 MG/L	45	45	0	0	8	2
00400	PH (STANDARD UNITS)	830	309	341	180	36	6
00403	PH, LAB, STANDARD UNITS SU	139	75	43	21	16	2
00405	CARBON DIOXIDE (MG/L AS CO2)	29	0	26	3	15	4
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	1	1	0	0	1	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	181	74	83	24	34	6
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	3	0	3	0	1	0
00440	BICARBONATE ION (MG/L AS HCO3)	41	1	37	3	20	4
00445	CARBONATE ION (MG/L AS CO3)	39	0	37	2	19	4
00480	SALINITY - PARTS PER THOUSAND	3110	0	301	2809	28	1
00500	RESIDUE, TOTAL (MG/L)	100	67	12	21	15	2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	102	69	12	21	15	2
00510	RESIDUE, TOTAL FIXED (MG/L)	100	67	12	21	15	2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	3	0	3	0	1	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	389	188	150	51	13	2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	387	188	149	50	13	2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	385	189	146	50	13	2
00545	RESIDUE, SETTLEABLE (ML/L)	2	0	0	2	2	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	255	237	18	0	1	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	502	76	304	122	18	2
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	292	237	55	0	19	3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	511	82	301	128	18	2
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	285	235	50	0	19	3
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	395	83	184	128	17	2
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	3	0	3	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	657	320	208	129	18	2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	116	0	116	0	7	2
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	40	0	40	0	19	3
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	45	0	37	8	21	4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	387	318	69	0	13	2
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	256	237	19	0	2	0
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	12	0	12	0	1	0
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	1	0	0	1	1	0
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	415	238	177	0	23	4
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	432	278	154	0	19	2
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	6	1	5	0	6	0
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	8	0	8	0	5	0
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	6	1	5	0	6	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	85	45	37	3	29	6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	40	0	37	3	19	4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	41	1	37	3	20	4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	41	1	37	3	20	4
00930	SODIUM, DISSOLVED (MG/L AS NA)	41	1	37	3	20	4
00931	SODIUM ADSORPTION RATIO	40	0	37	3	19	4
00932	SODIUM, PERCENT	40	0	37	3	19	4
00935	POTASSIUM, DISSOLVED (MG/L AS K)	41	1	37	3	20	4
00940	CHLORIDE,TOTAL IN WATER MG/L	167	59	69	39	30	6
00941	CHLORIDE, DISSOLVED IN WATER MG/L	1	1	0	0	1	0
00945	SULFATE, TOTAL (MG/L AS SO4)	99	59	37	3	25	6
00946	SULFATE, DISSOLVED (MG/L AS SO4)	1	1	0	0	1	0

Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Parameter Code	Name	Total Obs	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00950	FLUORIDE, DISSOLVED (MG/L AS F)	41	1	37	3	20	4
00951	FLUORIDE, TOTAL (MG/L AS F)	33	32	1	0	7	2
00955	SILICA, DISSOLVED (MG/L AS SI02)	162	122	37	3	27	6
01002	ARSENIC, TOTAL (UG/L AS AS)	51	0	40	11	9	2
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11	0	11	0	5	1
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	3	3	0	0	1	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	1	0	1	0	1	0
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	2	0	2	0	1	0
01027	CADMIUM, TOTAL (UG/L AS CD)	70	0	50	20	9	2
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	16	0	14	2	7	1
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	16	0	14	2	7	1
01034	CHROMIUM, TOTAL (UG/L AS CR)	93	0	53	40	9	2
01042	COPPER, TOTAL (UG/L AS CU)	93	0	53	40	9	2
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	94	0	14	80	69	1
01045	IRON, TOTAL (UG/L AS FE)	14	2	11	1	8	2
01046	IRON, DISSOLVED (UG/L AS FE)	37	0	37	0	18	3
01051	LEAD, TOTAL (UG/L AS PB)	83	0	53	30	9	2
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	94	0	14	80	69	1
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	2	0	0	2	2	0
01055	MANGANESE, TOTAL (UG/L AS MN)	15	2	7	6	10	2
01056	MANGANESE, DISSOLVED (UG/L AS MN)	1	1	0	0	1	0
01059	THALLIUM, TOTAL (UG/L AS TL)	1	0	1	0	1	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	59	0	47	12	8	2
01067	NICKEL, TOTAL (UG/L AS NI)	3	0	3	0	2	1
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	14	0	14	0	5	1
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	3	3	0	0	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	92	0	53	39	9	2
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	94	0	14	80	69	1
01105	ALUMINUM, TOTAL (UG/L AS AL)	1	1	0	0	1	0
01140	SILICON, DISSOLVED (UG/L AS SI)	153	137	16	0	1	0
01147	SELENIUM, TOTAL (UG/L AS SE)	1	0	1	0	1	0
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	2	0	2	0	1	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	2	0	0	2	2	0
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	153	77	76	0	11	2
02613		1	0	1	0	1	0
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	18	0	1	17	6	0
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	148	0	76	72	10	2
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	145	50	95	0	3	1
31612	COLIFORM, FECAL 10/ML	1	0	1	0	1	0
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	130	35	95	0	4	1
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	4343	18	2646	1679	81	3
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	402	59	206	137	17	2
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	1939	0	1935	4	62	1
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	99	0	99	0	8	1
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	143	0	67	76	6	1
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	8	0	8	0	1	0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	8	0	8	0	1	0
32240	TANNIN AND LIGNIN (MG/L)	22	22	0	0	6	2
34258	B-BHC-BETA WET WGTTISMG/KG	3	3	0	0	1	0
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	2	2	0	0	1	0
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	3	3	0	0	1	0
34351	ENDOSULFAN SULFATE TOTWUG/L	2	2	0	0	1	0
34356	ENDOSULFAN, BETA TOTWUG/L	2	2	0	0	1	0
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	3	3	0	0	1	0
34361	ENDOSULFAN, ALPHA TOTWUG/L	2	2	0	0	1	0
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	3	3	0	0	1	0
34366	ENDRIN ALDEHYDE TOTWUG/L	2	2	0	0	1	0
34480	THALLIUM DRY WGTBOTMG/KG	2	0	2	0	1	0
34670	PCB - 1260 WET WGTTISMG/KG	3	3	0	0	1	0
34671	PCB - 1016 TOTWUG/L	2	2	0	0	1	0
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	20	3	17	0	1	0
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	20	3	17	0	1	0
34685	ENDRIN WET WGTTISMG/KG	20	3	17	0	1	0
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	3	3	0	0	1	0
34687	HEPTACHLOR WET WGTTISMG/KG	3	3	0	0	1	0
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	20	3	17	0	1	0
34690	PCB - 1254 WET WGTTISMG/KG	3	3	0	0	1	0
34691	TOXAPHENE WET WGTTISMG/KG	3	3	0	0	1	0
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	7	2	5	0	3	1
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	17	0	17	0	1	0
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	3	2	1	0	2	0

Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Parameter Code	Name	Total Obs	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	5	0	5	0	2	1
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	17	0	17	0	1	0
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	5	0	5	0	2	1
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	17	0	17	0	1	0
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	5	0	5	0	2	1
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	20	3	17	0	1	0
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	5	0	5	0	2	1
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	20	3	17	0	1	0
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	20	3	17	0	1	0
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	20	3	17	0	1	0
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3	1
39302	P P DDT IN TISSUE WET WGT (UG/G)	17	0	17	0	1	0
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	2	1
39309	O P DDT IN AQUATIC ORGANISMS WET WEIGHT BASIS(UG/G	17	0	17	0	1	0
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3	1
39312	P P DDD IN TISSUE WET WGT (UG/G)	17	0	17	0	1	0
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	2	1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3	1
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	17	0	17	0	1	0
39325	O,P DDD IN TISSUE WET WGT (UG/G)	17	0	17	0	1	0
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	2	1
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	17	0	17	0	1	0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10	2	8	0	3	1
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	1	0	1	0	1	0
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	2	2	0	0	1	0
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	2	2	0	0	1	0
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	2	2	0	0	1	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	5	0	5	0	2	1
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	3	2	1	0	2	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	3	2	1	0	2	0
39364	DDD IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	6	0	0	6	1	0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	3	2	1	0	2	0
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	43	0	33	10	1	0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	3	2	1	0	2	0
39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	1	0	1	0	1	0
39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	3	0	3	0	1	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	8	2	5	1	4	1
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	3	2	1	0	2	0
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3	1
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	3	2	1	0	2	0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	3	2	1	0	2	0
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	20	3	17	0	1	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	3	2	1	0	2	0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1	0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	2	1
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	2	2	0	0	1	0
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	2	2	0	0	1	0
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	2	2	0	0	1	0
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	2	2	0	0	1	0
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	2	2	0	0	1	0
39515	PCBS (MG/KG) FISH TISSUE MG/KG	22	3	17	2	2	0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	2	1
39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	23	0	23	0	1	0
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	3	2	1	0	2	0
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	3	0	3	0	2	1
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	1	0	1	0	1	0
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	2	1
39781	LINDANE AQUATIC ORGANISMS WT WGT BASIS(UG/G)	17	0	17	0	1	0
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	20	3	17	0	1	0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	6	0	6	0	4	0
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	40	0	37	3	19	4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	40	0	37	3	19	4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	37	0	37	0	18	3
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	266	0	147	119	10	2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	363	70	172	121	13	2
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	3	0	0	3	3	1

Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Parameter Code	Name	Total Obs	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	37	1	36	0	19	3
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	37	0	37	0	18	3
71885	IRON (UG/L AS FE)	3	1	0	2	3	1
71900	MERCURY, TOTAL (UG/L AS HG)	87	0	53	34	9	2
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	28	0	25	3	3	0
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	92	0	12	80	68	0
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	32	3	25	4	4	0
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	17	0	17	0	1	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	23	3	14	6	4	0
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	60	3	36	21	6	0
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	43	3	19	21	5	0
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	23	3	14	6	4	0
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	59	3	36	20	6	0
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	17	0	17	0	1	0
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	17	0	17	0	1	0
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	17	0	17	0	1	0
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	2	0	0	2	2	0
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)	31	0	29	2	15	3
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)	34	0	31	3	17	3
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)	34	0	31	3	17	3
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	23	0	21	2	17	4
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	31	0	29	2	15	3
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	31	0	29	2	15	3
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	2	2	0	0	2	0
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	2	2	0	0	2	0
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	2	2	0	0	2	0
80250	SEDIMENT PARTICLE SIZE FRACT.<.0625MM % DRY WEIGHT	2	0	2	0	2	0
80251	SEDIMENT PRCTL.SIZE CLASS.06-.125MMV-FINESAND%DRWT	2	0	2	0	2	0
80252	SEDIMENT PRTCL.SIZE CLASS.125-.250MMFINESAND%DRYWT	2	0	2	0	2	0
80253	SEDIMENT PRCTL.SIZE CLASS0.25-.50MMMED SAND %DRYWT	2	0	2	0	2	0
80254	SEDIMENT PRCTL.SIZE CLASS0.5-2.0MMCRS SAND %DRYWT	2	0	2	0	2	0
80255	SEDIMENT PRCTL.SIZE CLASS1.0-2.0MMV-CRS SAND%DRYWT	2	0	2	0	2	0
80256	SEDIMENT PRTCL.SIZE CLASS>2.0MM GRAVEL % DRY WT.	2	0	2	0	2	0
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	2	2	0	0	2	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	133	3	94	36	6	0
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	20	3	17	0	1	0
81656	MAGNESIUM IN FISH TISSUE WET WEIGHT MG/KG	4	0	4	0	1	0
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	3	3	0	0	1	0
81747	MANGANESE IN SHELLFISH TISSUE WET WEIGHT PPM MG/KG	1	0	0	1	1	0
81813	IRON IN SHELLFISH TISSUE WET WEIGHT MG/KG	1	0	0	1	1	0
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	3	3	0	0	1	0
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	5	3	0	2	2	0
81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	4	3	0	1	2	0
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	59	59	0	0	6	2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1	1	0	0	1	0
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	6219	0	4540	1679	75	1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	6220	0	4541	1679	75	1
83509	STREAM, WIDTH METER	2	2	0	0	2	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	34	0	31	3	17	3
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	34	0	31	3	17	3
84007	ANATOMY ALPHA CODE	133	3	94	36	6	0
84008	ANATOMY ALPHA CODE	113	0	77	36	5	0

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0046	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/63-08/25/71	7	400	
COLO0050	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/05/74	0	6	
COLO0058	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/71-07/20/71	0	1	
COLO0065	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	24	655	
COLO0069	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/30/74	6	42	
COLO0074	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-05/22/79	4	31	
COLO0084	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/74-08/25/93	19	53	
COLO0092	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-08/02/77	0	1	
COLO0098	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/71-01/27/78	6	3	
COLO0099	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/92-08/25/93	0	10	
COLO0100	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	21	121	
COLO0103	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/72-07/16/72	0	4	
COLO0105	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-08/02/77	0	1	
COLO0109	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/77-06/02/78	0	2	
COLO0111	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	15	2356	
COLO0112	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/77-12/21/77	0	2	
COLO0114	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-06/02/78	0	2	
COLO0115	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/19/77	0	2	
COLO0116	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/19/77	0	2	
COLO0118	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/19/77	0	2	
COLO0120	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/28/77-04/30/79	2	12	
COLO0123	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	18	144	
COLO0125	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/12/77	0	2	
COLO0128	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	13	114	
COLO0139	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	8	78	
COLO0141	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/72-07/16/72	0	3	
COLO0145	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/72-06/09/76	3	34	
COLO0150	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/77-06/01/78	0	3	
COLO0156	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/19/86-03/19/86	0	1	
COLO0164	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	23	86	
COLO0168	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/83-09/20/84	1	6	
COLO0172	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/81-01/22/81	0	1	
COLO0173	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/72-07/06/72	0	1	
COLO0175	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/19/77	0	2	
COLO0176	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-06/01/78	0	3	
COLO0185	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/71-06/30/71	0	1	
COLO0189	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/77-12/12/77	0	1	
COLO0191	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/75-06/27/80	5	9	
COLO0194	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/92-08/25/93	0	10	
COLO0199	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/68-03/13/79	10	59	
COLO0214	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/92-08/25/93	0	9	
COLO0215	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/72-01/22/73	0	3	
COLO0226	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/87-07/29/92	4	3	
COLO0227	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/87-07/29/92	4	3	
COLO0230	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/87-07/29/92	4	4	
COLO0231	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/87-07/29/92	4	4	
COLO0139	No	00023	SAMPLE WEIGHT IN POUNDS	07/17/79-08/13/87	8	20	
COLO0075	No	00024	SAMPLE LENGTH IN INCHES	09/17/70-09/17/70	0	1	
COLO0139	No	00024	SAMPLE LENGTH IN INCHES	07/17/79-08/13/87	8	18	
COLO0168	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/26/82-09/20/84	2	8	
COLO0156	No	00064	DEPTH OF STREAM, MEAN (FT)	03/19/86-03/19/86	0	1	
COLO0163	No	00064	DEPTH OF STREAM, MEAN (FT)	03/19/86-03/19/86	0	1	
COLO0065	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/11/71-01/14/91	19	5	
COLO0069	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/11/71-07/23/71	0	4	
COLO0074	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/28/75-07/28/75	0	1	
COLO0164	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/21/71-07/18/71	0	3	
COLO0199	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/01/71-08/01/71	0	1	
COLO0065	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-04/13/89	0	6	
COLO0046	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/04/64-08/25/71	7	35	
COLO0065	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	9	140	
COLO0058	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	07/20/71-07/20/71	0	1	
COLO0084	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	07/14/92-03/03/93	0	6	
COLO0092	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-08/02/77	0	1	
COLO0098	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/01/71-01/27/78	6	3	
COLO0099	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/05/92-03/03/93	0	3	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0100	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	07/14/92-03/03/93	0	7	
COLO0105	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-08/02/77	0	1	
COLO0109	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/12/77-06/02/78	0	2	
COLO0112	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/19/77-12/21/77	0	2	
COLO0114	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-06/02/78	0	2	
COLO0115	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/19/77	0	2	
COLO0116	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/19/77	0	2	
COLO0118	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/19/77	0	2	
COLO0125	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/12/77	0	2	
COLO0150	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/19/77-06/01/78	0	3	
COLO0156	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/19/86-03/19/86	0	1	
COLO0164	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/14/92-03/03/93	0	7	
COLO0175	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/19/77	0	2	
COLO0176	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-06/01/78	0	3	
COLO0189	No	00080	COLOR (PLATINUM-COBALT UNITS)	12/12/77-12/12/77	0	1	
COLO0194	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/05/92-03/03/93	0	3	
COLO0214	No	00080	COLOR (PLATINUM-COBALT UNITS)	11/05/92-03/03/93	0	3	
COLO0065	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	9	621	
COLO0084	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/14/92-08/25/93	1	14	
COLO0099	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/05/92-08/25/93	0	10	
COLO0102	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	14	74	
COLO0139	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/06/84	5	59	
COLO0164	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/14/92-08/25/93	1	14	
COLO0194	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/05/92-08/25/93	0	10	
COLO0214	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/05/92-08/25/93	0	9	
COLO0226	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/87-07/29/92	4	3	
COLO0227	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/87-07/29/92	4	3	
COLO0230	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/87-07/29/92	4	3	
COLO0231	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/25/77-07/29/92	14	4	
COLO0058	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/71-08/02/77	6	2	
COLO0065	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-05/16/91	2	60	
COLO0084	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/14/92-07/13/93	0	11	
COLO0092	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-08/02/77	0	1	
COLO0098	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/71-01/27/78	6	3	
COLO0099	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/92-07/13/93	0	8	
COLO0100	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/14/92-07/13/93	0	12	
COLO0105	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-08/02/77	0	1	
COLO0109	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/77-06/02/78	0	2	
COLO0112	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/77-12/21/77	0	2	
COLO0114	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-06/02/78	0	2	
COLO0115	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/19/77	0	2	
COLO0116	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/19/77	0	2	
COLO0118	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/19/77	0	2	
COLO0125	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/12/77	0	2	
COLO0150	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/77-06/01/78	0	3	
COLO0156	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/19/86-03/19/86	0	1	
COLO0164	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/14/92-07/13/93	0	12	
COLO0168	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/26/82-09/20/84	2	7	
COLO0175	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/19/77	0	2	
COLO0176	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-06/01/78	0	3	
COLO0189	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/71-12/12/77	6	2	
COLO0194	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/92-07/13/93	0	8	
COLO0214	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/92-07/13/93	0	8	
COLO0231	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-07/29/92	0	1	
COLO0065	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	8	608	
COLO0084	Yes	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/14/92-08/25/93	1	14	
COLO0099	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	11/05/92-08/25/93	0	10	
COLO0102	Yes	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/14/92-08/25/93	1	14	
COLO0164	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/14/92-08/25/93	1	14	
COLO0194	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	11/05/92-08/25/93	0	10	
COLO0214	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	11/05/92-08/25/93	0	9	
COLO0065	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	8	617	
COLO0084	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/92-08/25/93	1	14	
COLO0099	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/05/92-08/25/93	0	10	
COLO0102	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/92-08/25/93	1	14	
COLO0156	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/19/86-03/19/86	0	1	
COLO0164	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/92-08/25/93	1	14	

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Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0194	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/05/92-08/25/93	0	10	
COLO0214	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/05/92-08/25/93	0	9	
COLO0226	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/87-07/29/92	4	3	
COLO0227	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/87-07/29/92	4	2	
COLO0230	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/87-07/29/92	4	3	
COLO0231	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/87-07/29/92	4	4	
COLO0046	No	00300	OXYGEN, DISSOLVED MG/L	11/05/63-08/25/71	7	284	
COLO0050	No	00300	OXYGEN, DISSOLVED MG/L	05/26/74-08/05/74	0	6	
COLO0065	No	00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	24	198	T
COLO0069	No	00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	6	41	
COLO0074	No	00300	OXYGEN, DISSOLVED MG/L	05/01/75-04/10/79	3	30	
COLO0084	Yes	00300	OXYGEN, DISSOLVED MG/L	07/08/74-04/30/79	4	38	
COLO0102	Yes	00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	12	106	
COLO0120	No	00300	OXYGEN, DISSOLVED MG/L	02/28/77-04/30/79	2	12	
COLO0139	No	00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	8	79	
COLO0164	No	00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	9	73	
COLO0199	No	00300	OXYGEN, DISSOLVED MG/L	08/27/68-03/13/79	10	61	
COLO0231	No	00300	OXYGEN, DISSOLVED MG/L	07/29/92-07/29/92	0	1	
COLO0050	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/26/74-05/26/74	0	1	
COLO0065	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-06/12/72	3	6	
COLO0069	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-05/26/74	5	6	
COLO0074	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/28/75-07/29/76	1	2	
COLO0084	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	09/18/74-07/13/93	18	12	
COLO0099	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/05/92-07/13/93	0	8	
COLO0102	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	14	72	
COLO0139	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-08/06/84	5	59	
COLO0164	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/17/70-07/13/93	23	22	
COLO0194	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/05/92-07/13/93	0	8	
COLO0199	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-06/29/78	9	7	
COLO0214	No	00310	BOD, 5 DAY, 20 DEG C MG/L	11/05/92-07/13/93	0	8	
COLO0065	No	00340	COD, .25N K2CR2O7 MG/L	03/28/90-06/14/90	0	7	
COLO0084	Yes	00340	COD, .25N K2CR2O7 MG/L	07/14/92-04/14/93	0	8	
COLO0099	No	00340	COD, .25N K2CR2O7 MG/L	11/05/92-04/14/93	0	6	
COLO0102	Yes	00340	COD, .25N K2CR2O7 MG/L	07/14/92-04/14/93	0	8	
COLO0164	No	00340	COD, .25N K2CR2O7 MG/L	07/14/92-02/10/93	0	7	
COLO0194	No	00340	COD, .25N K2CR2O7 MG/L	11/05/92-02/10/93	0	4	
COLO0214	No	00340	COD, .25N K2CR2O7 MG/L	11/05/92-04/14/93	0	4	
COLO0231	No	00340	COD, .25N K2CR2O7 MG/L	07/29/92-07/29/92	0	1	
COLO0050	No	00400	PH (STANDARD UNITS)	05/26/74-08/05/74	0	6	
COLO0058	Yes	00400	PH (STANDARD UNITS)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00400	PH (STANDARD UNITS)	07/20/71-07/20/71	0	1	
COLO0065	No	00400	PH (STANDARD UNITS)	07/22/68-12/15/92	24	276	T
COLO0069	No	00400	PH (STANDARD UNITS)	07/22/68-08/30/74	6	41	
COLO0074	No	00400	PH (STANDARD UNITS)	05/01/75-05/22/79	4	31	
COLO0084	Yes	00400	PH (STANDARD UNITS)	07/08/74-08/25/93	19	53	
COLO0092	No	00400	PH (STANDARD UNITS)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00400	PH (STANDARD UNITS)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00400	PH (STANDARD UNITS)	08/02/77-08/02/77	0	1	
COLO0098	No	00400	PH (STANDARD UNITS)	07/01/71-01/27/78	6	3	
COLO0099	No	00400	PH (STANDARD UNITS)	11/05/92-08/25/93	0	10	
COLO0100	No	00400	PH (STANDARD UNITS)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00400	PH (STANDARD UNITS)	05/10/72-08/25/93	21	112	T
COLO0105	No	00400	PH (STANDARD UNITS)	08/02/77-08/02/77	0	1	
COLO0109	No	00400	PH (STANDARD UNITS)	12/12/77-06/02/78	0	2	
COLO0112	No	00400	PH (STANDARD UNITS)	08/19/77-12/21/77	0	2	
COLO0114	No	00400	PH (STANDARD UNITS)	08/02/77-06/02/78	0	2	
COLO0115	No	00400	PH (STANDARD UNITS)	08/11/77-12/19/77	0	2	
COLO0116	No	00400	PH (STANDARD UNITS)	08/11/77-12/19/77	0	2	
COLO0118	No	00400	PH (STANDARD UNITS)	08/11/77-12/19/77	0	2	
COLO0120	No	00400	PH (STANDARD UNITS)	02/28/77-04/30/79	2	12	
COLO0125	No	00400	PH (STANDARD UNITS)	08/11/77-12/12/77	0	2	
COLO0139	No	00400	PH (STANDARD UNITS)	03/01/76-08/06/84	8	70	
COLO0150	No	00400	PH (STANDARD UNITS)	08/19/77-06/01/78	0	3	
COLO0164	No	00400	PH (STANDARD UNITS)	04/17/70-08/25/93	23	88	
COLO0175	No	00400	PH (STANDARD UNITS)	08/11/77-12/19/77	0	2	
COLO0176	No	00400	PH (STANDARD UNITS)	08/11/77-06/01/78	0	3	
COLO0189	No	00400	PH (STANDARD UNITS)	07/13/71-12/12/77	6	2	
COLO0194	No	00400	PH (STANDARD UNITS)	11/05/92-08/25/93	0	10	
COLO0199	No	00400	PH (STANDARD UNITS)	08/27/68-03/13/79	10	59	
COLO0214	No	00400	PH (STANDARD UNITS)	11/05/92-08/25/93	0	9	
COLO0226	No	00400	PH (STANDARD UNITS)	07/30/87-07/29/92	4	3	
COLO0227	No	00400	PH (STANDARD UNITS)	07/30/87-07/29/92	4	3	

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Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0230	No	00400	PH (STANDARD UNITS)	07/30/87-07/29/92	4	4	
COLO0231	No	00400	PH (STANDARD UNITS)	07/30/87-07/29/92	4	3	
COLO0050	No	00403	PH, LAB, STANDARD UNITS SU	05/26/74-05/26/74	0	1	
COLO0065	No	00403	PH, LAB, STANDARD UNITS SU	03/20/69-04/10/90	21	11	
COLO0069	No	00403	PH, LAB, STANDARD UNITS SU	03/20/69-05/26/74	5	6	
COLO0084	Yes	00403	PH, LAB, STANDARD UNITS SU	07/14/92-07/13/93	0	11	
COLO0099	No	00403	PH, LAB, STANDARD UNITS SU	11/05/92-07/13/93	0	8	
COLO0102	Yes	00403	PH, LAB, STANDARD UNITS SU	02/10/81-07/13/93	12	32	
COLO0139	No	00403	PH, LAB, STANDARD UNITS SU	02/10/81-08/06/84	3	21	
COLO0156	No	00403	PH, LAB, STANDARD UNITS SU	03/19/86-03/19/86	0	1	
COLO0164	No	00403	PH, LAB, STANDARD UNITS SU	04/17/70-07/13/93	23	16	
COLO0194	No	00403	PH, LAB, STANDARD UNITS SU	11/05/92-07/13/93	0	8	
COLO0199	No	00403	PH, LAB, STANDARD UNITS SU	06/03/69-10/14/75	6	6	
COLO0214	No	00403	PH, LAB, STANDARD UNITS SU	11/05/92-07/13/93	0	8	
COLO0226	No	00403	PH, LAB, STANDARD UNITS SU	07/30/87-08/15/89	2	2	
COLO0227	No	00403	PH, LAB, STANDARD UNITS SU	07/30/87-07/30/87	0	2	
COLO0230	No	00403	PH, LAB, STANDARD UNITS SU	07/30/87-07/30/87	0	2	
COLO0231	No	00403	PH, LAB, STANDARD UNITS SU	08/25/77-07/29/92	14	4	
COLO0058	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/20/71-07/20/71	0	1	
COLO0092	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/02/77-08/02/77	0	1	
COLO0098	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/01/71-01/27/78	6	2	
COLO0100	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/19/77-06/02/78	0	3	
COLO0109	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/12/77-06/02/78	0	2	
COLO0112	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/19/77-12/21/77	0	2	
COLO0114	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/02/78-06/02/78	0	1	
COLO0118	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/11/77-12/19/77	0	2	
COLO0125	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/11/77-12/12/77	0	2	
COLO0150	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/19/77-06/01/78	0	3	
COLO0176	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/01/78-06/01/78	0	1	
COLO0189	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/13/71-12/12/77	6	2	
COLO0156	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	03/19/86-03/19/86	0	1	
COLO0050	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-05/26/74	0	1	
COLO0058	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/71-07/20/71	0	1	
COLO0065	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/69-04/10/90	21	14	
COLO0069	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/69-05/26/74	5	6	
COLO0084	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/14/92-07/13/93	0	11	
COLO0092	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0098	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/71-01/27/78	6	3	
COLO0099	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/92-07/13/93	0	8	
COLO0100	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/10/81-07/13/93	12	32	
COLO0105	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0109	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/12/77-06/02/78	0	2	
COLO0112	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/77-12/21/77	0	2	
COLO0114	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-06/02/78	0	2	
COLO0115	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0116	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0118	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0125	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/12/77	0	2	
COLO0139	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/10/81-08/06/84	3	21	
COLO0150	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/77-06/01/78	0	3	
COLO0164	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/70-07/13/93	23	16	
COLO0175	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0176	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-06/01/78	0	3	
COLO0189	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/71-12/12/77	6	2	
COLO0194	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/92-07/13/93	0	8	
COLO0199	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-10/14/75	6	6	
COLO0214	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/92-07/13/93	0	8	
COLO0226	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/87-08/15/89	2	2	
COLO0227	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/87-07/30/87	0	2	
COLO0230	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/87-07/30/87	0	2	
COLO0231	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/77-07/29/92	14	4	
COLO0065	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-09/27/83	0	3	
COLO0058	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/20/71-07/20/71	0	1	
COLO0092	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/26/77-06/02/78	0	4	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0093	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-08/02/77	0	1	
COLO0098	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/01/71-01/27/78	6	3	
COLO0100	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/19/77-06/02/78	0	3	
COLO0105	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-08/02/77	0	1	
COLO0109	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/12/77-06/02/78	0	2	
COLO0112	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/19/77-12/21/77	0	2	
COLO0114	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-06/02/78	0	2	
COLO0115	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/19/77	0	2	
COLO0116	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/19/77	0	2	
COLO0118	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/19/77	0	2	
COLO0125	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/12/77	0	2	
COLO0150	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/19/77-06/01/78	0	3	
COLO0156	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/19/86-03/19/86	0	1	
COLO0175	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/19/77	0	2	
COLO0176	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-06/01/78	0	3	
COLO0189	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/13/71-12/12/77	6	2	
COLO0058	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/20/71-07/20/71	0	1	
COLO0092	No	00445	CARBONATE ION (MG/L AS CO3)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/02/77-08/02/77	0	1	
COLO0098	No	00445	CARBONATE ION (MG/L AS CO3)	07/01/71-01/27/78	6	3	
COLO0100	No	00445	CARBONATE ION (MG/L AS CO3)	08/19/77-06/02/78	0	3	
COLO0105	No	00445	CARBONATE ION (MG/L AS CO3)	08/02/77-08/02/77	0	1	
COLO0109	No	00445	CARBONATE ION (MG/L AS CO3)	12/12/77-06/02/78	0	2	
COLO0112	No	00445	CARBONATE ION (MG/L AS CO3)	08/19/77-12/21/77	0	2	
COLO0114	No	00445	CARBONATE ION (MG/L AS CO3)	08/02/77-06/02/78	0	2	
COLO0115	No	00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/19/77	0	2	
COLO0116	No	00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/19/77	0	2	
COLO0118	No	00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/19/77	0	2	
COLO0125	No	00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/12/77	0	2	
COLO0150	No	00445	CARBONATE ION (MG/L AS CO3)	08/19/77-06/01/78	0	3	
COLO0175	No	00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/19/77	0	2	
COLO0176	No	00445	CARBONATE ION (MG/L AS CO3)	08/11/77-06/01/78	0	3	
COLO0189	No	00445	CARBONATE ION (MG/L AS CO3)	12/12/77-12/12/77	0	1	
COLO0046	No	00480	SALINITY - PARTS PER THOUSAND	11/05/63-08/25/71	7	367	
COLO0065	No	00480	SALINITY - PARTS PER THOUSAND	09/27/72-10/12/72	0	2	
COLO0069	No	00480	SALINITY - PARTS PER THOUSAND	09/27/72-05/24/73	0	3	
COLO0103	No	00480	SALINITY - PARTS PER THOUSAND	07/13/72-04/24/80	7	5	
COLO0111	No	00480	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	15	2309	A
COLO0123	No	00480	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	17	137	A
COLO0128	No	00480	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	13	111	A
COLO0141	No	00480	SALINITY - PARTS PER THOUSAND	07/14/72-07/16/72	0	3	
COLO0145	No	00480	SALINITY - PARTS PER THOUSAND	07/17/73-06/09/76	2	33	
COLO0148	No	00480	SALINITY - PARTS PER THOUSAND	07/13/77-07/13/77	0	1	
COLO0172	No	00480	SALINITY - PARTS PER THOUSAND	01/22/81-01/22/81	0	1	
COLO0173	No	00480	SALINITY - PARTS PER THOUSAND	07/06/72-07/06/72	0	1	
COLO0182	No	00480	SALINITY - PARTS PER THOUSAND	05/29/75-10/27/75	0	6	
COLO0185	Yes	00480	SALINITY - PARTS PER THOUSAND	06/30/71-06/30/71	0	1	
COLO0191	No	00480	SALINITY - PARTS PER THOUSAND	05/29/75-06/27/80	5	9	
COLO0193	No	00480	SALINITY - PARTS PER THOUSAND	06/27/80-06/27/80	0	1	
COLO0198	No	00480	SALINITY - PARTS PER THOUSAND	08/23/78-08/23/78	0	1	
COLO0200	No	00480	SALINITY - PARTS PER THOUSAND	04/24/80-04/24/80	0	1	
COLO0203	No	00480	SALINITY - PARTS PER THOUSAND	07/14/69-06/30/71	1	2	
COLO0211	No	00480	SALINITY - PARTS PER THOUSAND	11/06/72-04/14/76	3	41	
COLO0215	No	00480	SALINITY - PARTS PER THOUSAND	11/06/72-06/10/80	7	3	
COLO0216	No	00480	SALINITY - PARTS PER THOUSAND	09/13/77-06/25/79	1	12	
COLO0217	No	00480	SALINITY - PARTS PER THOUSAND	02/27/78-06/06/78	0	5	
COLO0219	No	00480	SALINITY - PARTS PER THOUSAND	05/01/74-06/23/81	7	20	
COLO0220	No	00480	SALINITY - PARTS PER THOUSAND	10/17/79-10/17/79	0	1	
COLO0221	No	00480	SALINITY - PARTS PER THOUSAND	07/27/81-12/20/82	1	16	
COLO0222	No	00480	SALINITY - PARTS PER THOUSAND	12/04/80-12/04/80	0	1	
COLO0223	No	00480	SALINITY - PARTS PER THOUSAND	04/28/76-01/25/78	1	17	
COLO0050	No	00500	RESIDUE, TOTAL (MG/L)	05/26/74-06/07/74	0	2	
COLO0065	No	00500	RESIDUE, TOTAL (MG/L)	03/20/69-05/05/70	1	5	
COLO0069	No	00500	RESIDUE, TOTAL (MG/L)	03/20/69-06/07/74	5	7	
COLO0084	Yes	00500	RESIDUE, TOTAL (MG/L)	07/14/92-07/13/93	0	11	
COLO0099	No	00500	RESIDUE, TOTAL (MG/L)	11/05/92-07/13/93	0	8	
COLO0102	Yes	00500	RESIDUE, TOTAL (MG/L)	08/17/72-07/13/93	20	19	
COLO0139	No	00500	RESIDUE, TOTAL (MG/L)	06/21/79-11/13/79	0	6	
COLO0164	No	00500	RESIDUE, TOTAL (MG/L)	04/17/70-07/13/93	23	13	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0194	No	00500	RESIDUE, TOTAL (MG/L)	11/05/92-07/13/93	0	8	
COLO0199	No	00500	RESIDUE, TOTAL (MG/L)	06/03/69-05/07/70	0	5	
COLO0214	No	00500	RESIDUE, TOTAL (MG/L)	11/05/92-07/13/93	0	8	
COLO0226	No	00500	RESIDUE, TOTAL (MG/L)	07/30/87-08/15/89	2	2	
COLO0227	No	00500	RESIDUE, TOTAL (MG/L)	07/30/87-07/30/87	0	2	
COLO0230	No	00500	RESIDUE, TOTAL (MG/L)	07/30/87-07/30/87	0	2	
COLO0231	No	00500	RESIDUE, TOTAL (MG/L)	07/30/87-07/30/87	0	2	
COLO0050	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-06/07/74	0	2	
COLO0065	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/20/69-11/12/85	16	7	
COLO0069	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/20/69-06/07/74	5	7	
COLO0084	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/14/92-07/13/93	0	11	
COLO0099	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/05/92-07/13/93	0	8	
COLO0102	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/17/72-07/13/93	20	19	
COLO0139	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/21/79-11/13/79	0	6	
COLO0164	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/17/70-07/13/93	23	13	
COLO0194	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/05/92-07/13/93	0	8	
COLO0199	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-05/07/70	0	5	
COLO0214	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/05/92-07/13/93	0	8	
COLO0226	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/87-08/15/89	2	2	
COLO0227	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/87-07/30/87	0	2	
COLO0230	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/87-07/30/87	0	2	
COLO0231	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/87-07/30/87	0	2	
COLO0050	No	00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-06/07/74	0	2	
COLO0065	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/20/69-05/05/70	1	5	
COLO0069	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/20/69-06/07/74	5	7	
COLO0084	Yes	00510	RESIDUE, TOTAL FIXED (MG/L)	07/14/92-07/13/93	0	11	
COLO0099	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/05/92-07/13/93	0	8	
COLO0102	Yes	00510	RESIDUE, TOTAL FIXED (MG/L)	08/17/72-07/13/93	20	19	
COLO0139	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/21/79-11/13/79	0	6	
COLO0164	No	00510	RESIDUE, TOTAL FIXED (MG/L)	04/17/70-07/13/93	23	13	
COLO0194	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/05/92-07/13/93	0	8	
COLO0199	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-05/07/70	0	5	
COLO0214	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/05/92-07/13/93	0	8	
COLO0226	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/87-08/15/89	2	2	
COLO0227	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/87-07/30/87	0	2	
COLO0230	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/87-07/30/87	0	2	
COLO0231	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/87-07/30/87	0	2	
COLO0065	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-09/27/83	0	3	
COLO0050	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/26/74	0	5	
COLO0065	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	23	146	
COLO0069	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	22	
COLO0074	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-05/22/79	4	30	
COLO0084	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/23/74-07/13/93	18	12	
COLO0099	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0102	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	20	73	
COLO0139	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/79-08/06/84	5	56	
COLO0164	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/70-07/13/93	23	14	
COLO0194	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0199	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-06/01/77	7	6	
COLO0214	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0231	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/92-07/29/92	0	1	
COLO0050	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/26/74	0	5	
COLO0065	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	23	146	
COLO0069	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	21	
COLO0074	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-05/22/79	4	29	
COLO0084	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/23/74-07/13/93	18	12	
COLO0099	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0102	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	20	73	
COLO0139	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/21/79-08/06/84	5	56	
COLO0164	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/17/70-07/13/93	23	14	
COLO0194	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0199	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-06/01/77	7	6	
COLO0214	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0231	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/92-07/29/92	0	1	
COLO0050	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/26/74	0	5	
COLO0065	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	23	143	
COLO0069	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-08/30/74	5	22	
COLO0074	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-05/22/79	4	29	
COLO0084	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/23/74-07/13/93	18	12	
COLO0099	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0102	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	20	73	
COLO0139	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/21/79-08/06/84	5	57	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0164	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/17/70-07/13/93	23	14	
COLO0194	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0199	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-06/01/77	7	5	
COLO0214	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	11/05/92-07/13/93	0	8	
COLO0231	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/92-07/29/92	0	1	
COLO0102	Yes	00545	RESIDUE, SETTLEABLE (ML/L)	08/17/72-08/17/72	0	1	
COLO0199	No	00545	RESIDUE, SETTLEABLE (ML/L)	04/14/70-04/14/70	0	1	
COLO0065	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	8	255	
COLO0050	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-07/26/74	0	5	
COLO0065	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-10/12/83	14	41	
COLO0069	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-08/30/74	5	34	
COLO0074	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-05/22/79	4	32	
COLO0084	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/74-08/25/93	19	49	
COLO0099	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	10	
COLO0102	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	21	119	T
COLO0120	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/77-04/30/79	2	12	
COLO0139	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	8	75	
COLO0164	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/70-08/25/93	23	62	
COLO0194	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	10	
COLO0199	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/19/70-03/13/79	8	37	
COLO0206	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/88-07/11/88	0	1	
COLO0214	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	9	
COLO0226	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/92-07/29/92	0	1	
COLO0227	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/87-07/29/92	4	2	
COLO0230	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/92-07/29/92	0	1	
COLO0231	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/25/77-07/29/92	14	2	
COLO0058	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-12/12/77	0	2	
COLO0065	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	8	255	
COLO0092	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0098	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-01/27/78	0	2	
COLO0100	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-06/02/78	0	3	
COLO0105	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0109	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/12/77-06/02/78	0	2	
COLO0112	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-12/21/77	0	2	
COLO0114	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-06/02/78	0	2	
COLO0115	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0116	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0118	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0125	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/12/77	0	2	
COLO0150	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-06/01/78	0	3	
COLO0175	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0176	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-06/01/78	0	3	
COLO0189	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/12/77-12/12/77	0	1	
COLO0050	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-07/26/74	0	5	
COLO0065	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	14	33	
COLO0069	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-08/30/74	5	36	
COLO0074	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-05/22/79	4	33	
COLO0084	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	19	49	
COLO0099	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	10	
COLO0102	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	21	119	T
COLO0120	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/28/77-04/30/79	2	12	
COLO0139	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	8	78	
COLO0164	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	23	64	
COLO0194	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	10	
COLO0199	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/19/70-03/13/79	8	40	
COLO0206	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/88-07/11/88	0	1	
COLO0214	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	9	
COLO0226	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	4	3	
COLO0227	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	4	2	
COLO0230	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	4	3	
COLO0231	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/25/77-07/29/92	14	4	
COLO0058	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-12/12/77	0	2	
COLO0065	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	8	248	
COLO0092	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0098	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-01/27/78	0	2	
COLO0100	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-06/02/78	0	3	
COLO0105	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0109	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/12/77-06/02/78	0	2	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0112	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-12/21/77	0	2	
COLO0114	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-06/02/78	0	2	
COLO0115	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0116	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0118	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0125	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/12/77	0	2	
COLO0150	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-06/01/78	0	3	
COLO0175	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0176	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-06/01/78	0	3	
COLO0189	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/12/77-12/12/77	0	1	
COLO0050	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-07/26/74	0	5	
COLO0065	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	14	34	
COLO0069	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-08/30/74	5	36	
COLO0074	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-02/12/76	0	10	
COLO0084	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	19	32	
COLO0099	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	10	
COLO0102	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	21	103	
COLO0139	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	8	60	
COLO0164	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	23	49	
COLO0194	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	10	
COLO0199	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/19/70-05/12/76	6	23	
COLO0206	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/88-07/11/88	0	1	
COLO0214	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	0	9	
COLO0226	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	4	3	
COLO0227	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	4	3	
COLO0230	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	4	3	
COLO0231	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/25/77-07/29/92	14	4	
COLO0065	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-09/27/83	0	3	
COLO0050	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-07/26/74	0	5	
COLO0065	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	23	288	T
COLO0069	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-08/30/74	5	37	
COLO0074	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-05/22/79	4	25	
COLO0084	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/74-08/25/93	19	48	
COLO0099	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/05/92-08/25/93	0	10	
COLO0102	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/10/72-08/25/93	21	98	
COLO0120	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/77-04/30/79	2	12	
COLO0139	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/01/76-05/12/83	7	10	
COLO0164	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/70-08/25/93	23	62	
COLO0194	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/05/92-08/25/93	0	10	
COLO0199	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/19/70-08/16/78	8	29	
COLO0206	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/11/88-07/11/88	0	1	
COLO0214	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/05/92-08/25/93	0	9	
COLO0226	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/87-07/29/92	4	3	
COLO0227	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/87-07/29/92	4	3	
COLO0230	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/87-07/29/92	4	3	
COLO0231	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/77-07/29/92	14	4	
COLO0074	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/11/76-05/22/79	3	22	
COLO0084	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/76-03/15/79	2	16	
COLO0102	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/76-04/30/79	2	16	
COLO0120	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/28/77-04/30/79	2	12	
COLO0139	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/01/76-03/13/79	3	18	
COLO0164	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/76-04/30/79	2	15	
COLO0199	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/29/76-03/13/79	2	17	
COLO0058	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-12/12/77	0	2	
COLO0065	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-09/27/83	0	3	
COLO0092	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0098	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-01/27/78	0	2	
COLO0100	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/19/77-06/02/78	0	3	
COLO0105	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-08/02/77	0	1	
COLO0109	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/12/77-06/02/78	0	2	
COLO0112	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/19/77-12/21/77	0	2	
COLO0114	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-06/02/78	0	2	
COLO0115	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0116	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0118	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0125	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/12/77	0	2	
COLO0150	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/19/77-06/01/78	0	3	
COLO0175	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/19/77	0	2	
COLO0176	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-06/01/78	0	3	
COLO0189	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/12/77-12/12/77	0	1	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0058	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/20/71-07/20/71	0	1	
COLO0065	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-10/02/69	0	3	
COLO0069	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-10/02/69	0	3	
COLO0092	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-08/02/77	0	1	
COLO0098	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/01/71-01/27/78	6	3	
COLO0100	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/19/77-06/02/78	0	3	
COLO0105	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-08/02/77	0	1	
COLO0109	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/12/77-06/02/78	0	2	
COLO0112	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/19/77-12/21/77	0	2	
COLO0114	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-06/02/78	0	2	
COLO0115	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/19/77	0	2	
COLO0116	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/19/77	0	2	
COLO0118	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/19/77	0	2	
COLO0125	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/12/77	0	2	
COLO0150	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/19/77-06/01/78	0	3	
COLO0175	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/19/77	0	2	
COLO0176	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-06/01/78	0	3	
COLO0189	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/12/77-12/12/77	0	1	
COLO0065	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	9	261	
COLO0084	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/92-08/25/93	1	13	
COLO0099	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/92-08/25/93	0	10	
COLO0102	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/79-08/25/93	14	53	
COLO0139	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/80-05/12/83	3	3	
COLO0164	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/92-08/25/93	1	14	
COLO0194	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/92-08/25/93	0	10	
COLO0206	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/88-07/11/88	0	1	
COLO0214	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/92-08/25/93	0	9	
COLO0226	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/87-07/29/92	4	3	
COLO0227	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/87-07/29/92	4	3	
COLO0230	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/87-07/29/92	4	3	
COLO0231	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/25/77-07/29/92	14	4	
COLO0065	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	8	255	
COLO0156	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/19/86-03/19/86	0	1	
COLO0065	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	0	12	
COLO0065	No	00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	08/31/71-08/31/71	0	1	
COLO0058	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-12/12/77	0	2	
COLO0065	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	9	259	
COLO0092	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-08/02/77	0	1	
COLO0098	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-01/27/78	0	2	
COLO0100	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	5	59	
COLO0105	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-08/02/77	0	1	
COLO0109	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/12/77-06/02/78	0	2	
COLO0112	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/19/77-12/21/77	0	2	
COLO0114	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-06/02/78	0	2	
COLO0115	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/19/77	0	2	
COLO0116	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/19/77	0	2	
COLO0118	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/19/77	0	2	
COLO0125	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/12/77	0	2	
COLO0139	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	5	58	
COLO0150	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/19/77-06/01/78	0	3	
COLO0175	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/19/77	0	2	
COLO0176	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-06/01/78	0	3	
COLO0189	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/12/77-12/12/77	0	1	
COLO0206	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/11/88-07/11/88	0	1	
COLO0231	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/77-08/25/77	0	1	
COLO0065	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	9	254	
COLO0084	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/14/92-04/14/93	0	8	
COLO0092	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/26/77-06/02/78	0	4	
COLO0098	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/27/78-01/27/78	0	1	
COLO0099	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/05/92-04/14/93	0	6	
COLO0100	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/21/77-06/02/78	0	2	
COLO0102	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	13	68	
COLO0109	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/02/78-06/02/78	0	1	
COLO0112	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/21/77-12/21/77	0	1	
COLO0139	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-08/06/84	5	59	
COLO0150	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/21/77-06/01/78	0	2	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0164	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/14/92-02/10/93	0	7	
COLO0176	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/01/78-06/01/78	0	1	
COLO0194	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/05/92-02/10/93	0	4	
COLO0214	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/05/92-04/14/93	0	4	
COLO0226	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/87-08/15/89	2	2	
COLO0227	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/87-07/30/87	0	2	
COLO0230	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/87-07/30/87	0	2	
COLO0231	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/25/77-07/29/92	14	4	
COLO0092	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/20/77-12/20/77	0	1	
COLO0098	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	01/27/78-01/27/78	0	1	
COLO0100	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/21/77-12/21/77	0	1	
COLO0112	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/21/77-12/21/77	0	1	
COLO0150	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/21/77-12/21/77	0	1	
COLO0156	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/19/86-03/19/86	0	1	
COLO0092	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/20/77-06/02/78	0	2	
COLO0098	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	01/27/78-01/27/78	0	1	
COLO0100	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/21/77-06/02/78	0	2	
COLO0112	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/21/77-12/21/77	0	1	
COLO0150	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/21/77-06/01/78	0	2	
COLO0092	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/02/78-06/02/78	0	1	
COLO0100	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/02/78-06/02/78	0	1	
COLO0109	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/02/78-06/02/78	0	1	
COLO0150	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/01/78-06/01/78	0	1	
COLO0156	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/19/86-03/19/86	0	1	
COLO0176	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/01/78-06/01/78	0	1	
COLO0058	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/71-07/20/71	0	1	
COLO0084	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/92-04/14/93	0	8	
COLO0092	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0098	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/71-01/27/78	6	3	
COLO0099	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/92-04/14/93	0	5	
COLO0100	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/92-04/14/93	0	8	
COLO0105	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0109	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/12/77-06/02/78	0	2	
COLO0112	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/77-12/21/77	0	2	
COLO0114	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-06/02/78	0	2	
COLO0115	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0116	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0118	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0125	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/12/77	0	2	
COLO0150	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/77-06/01/78	0	3	
COLO0164	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/92-02/10/93	0	7	
COLO0175	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0176	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-06/01/78	0	3	
COLO0189	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/13/71-12/12/77	6	2	
COLO0194	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/92-02/10/93	0	4	
COLO0214	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/92-04/14/93	0	4	
COLO0226	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/87-08/15/89	2	2	
COLO0227	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/87-07/30/87	0	2	
COLO0230	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/87-07/30/87	0	2	
COLO0231	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/87-07/29/92	4	3	
COLO0058	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/20/71-07/20/71	0	1	
COLO0092	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0098	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/01/71-01/27/78	6	3	
COLO0100	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/77-06/02/78	0	3	
COLO0105	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-08/02/77	0	1	
COLO0109	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/12/77-06/02/78	0	2	
COLO0112	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/77-12/21/77	0	2	
COLO0114	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-06/02/78	0	2	
COLO0115	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0116	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0118	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0125	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/12/77	0	2	
COLO0150	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/77-06/01/78	0	3	
COLO0175	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/19/77	0	2	
COLO0176	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-06/01/78	0	3	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0189	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/13/71-12/12/77	6	2	
COLO0058	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/71-07/20/71	0	1	
COLO0092	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-08/02/77	0	1	
COLO0098	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/71-01/27/78	6	3	
COLO0100	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/77-06/02/78	0	3	
COLO0105	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-08/02/77	0	1	
COLO0109	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/12/77-06/02/78	0	2	
COLO0112	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/77-12/21/77	0	2	
COLO0114	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-06/02/78	0	2	
COLO0115	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/19/77	0	2	
COLO0116	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/19/77	0	2	
COLO0118	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/19/77	0	2	
COLO0125	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/12/77	0	2	
COLO0150	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/77-06/01/78	0	3	
COLO0156	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/19/86-03/19/86	0	1	
COLO0175	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/19/77	0	2	
COLO0176	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-06/01/78	0	3	
COLO0189	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/13/71-12/12/77	6	2	
COLO0058	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/71-07/20/71	0	1	
COLO0092	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-08/02/77	0	1	
COLO0098	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/71-01/27/78	6	3	
COLO0100	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/77-06/02/78	0	3	
COLO0105	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-08/02/77	0	1	
COLO0109	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/12/77-06/02/78	0	2	
COLO0112	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/77-12/21/77	0	2	
COLO0114	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-06/02/78	0	2	
COLO0115	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/19/77	0	2	
COLO0116	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/19/77	0	2	
COLO0118	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/19/77	0	2	
COLO0125	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/12/77	0	2	
COLO0150	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/77-06/01/78	0	3	
COLO0156	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/19/86-03/19/86	0	1	
COLO0175	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/19/77	0	2	
COLO0176	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-06/01/78	0	3	
COLO0189	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/13/71-12/12/77	6	2	
COLO0058	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/71-07/20/71	0	1	
COLO0092	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-08/02/77	0	1	
COLO0098	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/71-01/27/78	6	3	
COLO0100	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/77-06/02/78	0	3	
COLO0105	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-08/02/77	0	1	
COLO0109	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/12/77-06/02/78	0	2	
COLO0112	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/77-12/21/77	0	2	
COLO0114	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-06/02/78	0	2	
COLO0115	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/19/77	0	2	
COLO0116	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/19/77	0	2	
COLO0118	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/19/77	0	2	
COLO0125	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/12/77	0	2	
COLO0150	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/77-06/01/78	0	3	
COLO0156	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/19/86-03/19/86	0	1	
COLO0175	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/19/77	0	2	
COLO0176	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-06/01/78	0	3	
COLO0189	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/13/71-12/12/77	6	2	
COLO0058	Yes	00931	SODIUM ADSORPTION RATIO	08/02/77-12/12/77	0	2	
COLO0062	Yes	00931	SODIUM ADSORPTION RATIO	07/20/71-07/20/71	0	1	
COLO0092	No	00931	SODIUM ADSORPTION RATIO	07/26/77-06/02/78	0	4	
COLO0093	Yes	00931	SODIUM ADSORPTION RATIO	08/02/77-08/02/77	0	1	
COLO0095	Yes	00931	SODIUM ADSORPTION RATIO	08/02/77-08/02/77	0	1	
COLO0098	No	00931	SODIUM ADSORPTION RATIO	07/01/71-01/27/78	6	3	
COLO0100	No	00931	SODIUM ADSORPTION RATIO	08/19/77-06/02/78	0	3	
COLO0105	No	00931	SODIUM ADSORPTION RATIO	08/02/77-08/02/77	0	1	
COLO0109	No	00931	SODIUM ADSORPTION RATIO	12/12/77-06/02/78	0	2	
COLO0112	No	00931	SODIUM ADSORPTION RATIO	08/19/77-12/21/77	0	2	
COLO0114	No	00931	SODIUM ADSORPTION RATIO	08/02/77-06/02/78	0	2	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0115	No	00931	SODIUM ADSORPTION RATIO	08/11/77-12/19/77	0	2	
COLO0116	No	00931	SODIUM ADSORPTION RATIO	08/11/77-12/19/77	0	2	
COLO0118	No	00931	SODIUM ADSORPTION RATIO	08/11/77-12/19/77	0	2	
COLO0125	No	00931	SODIUM ADSORPTION RATIO	08/11/77-12/12/77	0	2	
COLO0150	No	00931	SODIUM ADSORPTION RATIO	08/19/77-06/01/78	0	3	
COLO0175	No	00931	SODIUM ADSORPTION RATIO	08/11/77-12/19/77	0	2	
COLO0176	No	00931	SODIUM ADSORPTION RATIO	08/11/77-06/01/78	0	3	
COLO0189	No	00931	SODIUM ADSORPTION RATIO	07/13/71-12/12/77	6	2	
COLO0058	Yes	00932	SODIUM, PERCENT	08/02/77-12/12/77	0	2	
COLO0062	Yes	00932	SODIUM, PERCENT	07/20/71-07/20/71	0	1	
COLO0092	No	00932	SODIUM, PERCENT	07/26/77-06/02/78	0	4	
COLO0093	Yes	00932	SODIUM, PERCENT	08/02/77-08/02/77	0	1	
COLO0095	Yes	00932	SODIUM, PERCENT	08/02/77-08/02/77	0	1	
COLO0098	No	00932	SODIUM, PERCENT	07/01/71-01/27/78	6	3	
COLO0100	No	00932	SODIUM, PERCENT	08/19/77-06/02/78	0	3	
COLO0105	No	00932	SODIUM, PERCENT	08/02/77-08/02/77	0	1	
COLO0109	No	00932	SODIUM, PERCENT	12/12/77-06/02/78	0	2	
COLO0112	No	00932	SODIUM, PERCENT	08/19/77-12/21/77	0	2	
COLO0114	No	00932	SODIUM, PERCENT	08/02/77-06/02/78	0	2	
COLO0115	No	00932	SODIUM, PERCENT	08/11/77-12/19/77	0	2	
COLO0116	No	00932	SODIUM, PERCENT	08/11/77-12/19/77	0	2	
COLO0118	No	00932	SODIUM, PERCENT	08/11/77-12/19/77	0	2	
COLO0125	No	00932	SODIUM, PERCENT	08/11/77-12/12/77	0	2	
COLO0150	No	00932	SODIUM, PERCENT	08/19/77-06/01/78	0	3	
COLO0175	No	00932	SODIUM, PERCENT	08/11/77-12/19/77	0	2	
COLO0176	No	00932	SODIUM, PERCENT	08/11/77-06/01/78	0	3	
COLO0189	No	00932	SODIUM, PERCENT	07/13/71-12/12/77	6	2	
COLO0058	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/71-07/20/71	0	1	
COLO0092	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-08/02/77	0	1	
COLO0098	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/71-01/27/78	6	3	
COLO0100	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/77-06/02/78	0	3	
COLO0105	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-08/02/77	0	1	
COLO0109	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/12/77-06/02/78	0	2	
COLO0112	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/77-12/21/77	0	2	
COLO0114	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-06/02/78	0	2	
COLO0115	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/19/77	0	2	
COLO0116	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/19/77	0	2	
COLO0118	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/19/77	0	2	
COLO0125	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/12/77	0	2	
COLO0150	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/77-06/01/78	0	3	
COLO0156	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/19/86-03/19/86	0	1	
COLO0175	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/19/77	0	2	
COLO0176	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-06/01/78	0	3	
COLO0189	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/13/71-12/12/77	6	2	
COLO0050	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/26/74	0	5	
COLO0058	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-12/12/77	0	2	
COLO0062	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/71-07/20/71	0	1	
COLO0065	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-09/04/73	3	10	
COLO0069	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-08/30/74	4	18	
COLO0074	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/01/75-05/22/79	4	32	
COLO0084	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/14/92-07/13/93	0	11	
COLO0092	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/77-06/02/78	0	4	
COLO0093	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-08/02/77	0	1	
COLO0095	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-08/02/77	0	1	
COLO0098	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/01/71-01/27/78	6	3	
COLO0099	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/92-07/13/93	0	8	
COLO0100	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/77-06/02/78	0	3	
COLO0102	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/14/92-07/13/93	0	12	
COLO0105	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-08/02/77	0	1	
COLO0109	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/12/77-06/02/78	0	2	
COLO0112	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/77-12/21/77	0	2	
COLO0114	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-06/02/78	0	2	
COLO0115	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/19/77	0	2	
COLO0116	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/19/77	0	2	
COLO0118	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/19/77	0	2	
COLO0125	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/12/77	0	2	
COLO0150	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/77-06/01/78	0	3	
COLO0164	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/25/73-07/13/93	19	13	
COLO0175	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/19/77	0	2	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0176	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-06/01/78	0	3	
COLO0189	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/71-12/12/77	6	2	
COLO0194	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/92-07/13/93	0	8	
COLO0199	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/19/70-06/16/72	2	2	
COLO0214	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/92-07/13/93	0	8	
COLO0156	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/19/86-03/19/86	0	1	
COLO0058	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/71-07/20/71	0	1	
COLO0084	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/92-07/13/93	0	11	
COLO0092	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-08/02/77	0	1	
COLO0098	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/71-01/27/78	6	3	
COLO0099	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/92-07/13/93	0	8	
COLO0100	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/92-07/13/93	0	12	
COLO0105	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-08/02/77	0	1	
COLO0109	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/12/77-06/02/78	0	2	
COLO0112	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/77-12/21/77	0	2	
COLO0114	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-06/02/78	0	2	
COLO0115	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/19/77	0	2	
COLO0116	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/19/77	0	2	
COLO0118	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/19/77	0	2	
COLO0125	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/12/77	0	2	
COLO0150	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/77-06/01/78	0	3	
COLO0164	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/92-07/13/93	0	12	
COLO0175	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/19/77	0	2	
COLO0176	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-06/01/78	0	3	
COLO0189	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/71-12/12/77	6	2	
COLO0194	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/92-07/13/93	0	8	
COLO0214	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/92-07/13/93	0	8	
COLO0156	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/19/86-03/19/86	0	1	
COLO0058	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/20/71-07/20/71	0	1	
COLO0092	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-08/02/77	0	1	
COLO0098	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/01/71-01/27/78	6	3	
COLO0100	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/77-06/02/78	0	3	
COLO0105	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-08/02/77	0	1	
COLO0109	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/12/77-06/02/78	0	2	
COLO0112	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/77-12/21/77	0	2	
COLO0114	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-06/02/78	0	2	
COLO0115	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/19/77	0	2	
COLO0116	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/19/77	0	2	
COLO0118	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/19/77	0	2	
COLO0125	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/12/77	0	2	
COLO0150	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/77-06/01/78	0	3	
COLO0156	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/19/86-03/19/86	0	1	
COLO0175	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/19/77	0	2	
COLO0176	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-06/01/78	0	3	
COLO0189	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/13/71-12/12/77	6	2	
COLO0074	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/20/77-09/20/77	0	1	
COLO0084	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	07/14/92-04/14/93	0	7	
COLO0099	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/05/92-04/14/93	0	4	
COLO0102	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	07/14/92-04/14/93	0	7	
COLO0164	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/14/92-03/03/93	0	7	
COLO0194	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/05/92-03/03/93	0	3	
COLO0214	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/05/92-04/14/93	0	4	
COLO0058	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-12/12/77	0	2	
COLO0062	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/20/71-07/20/71	0	1	
COLO0065	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/13/89-12/15/92	3	98	
COLO0084	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/14/92-12/07/92	0	5	
COLO0092	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/26/77-06/02/78	0	4	
COLO0093	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-08/02/77	0	1	
COLO0095	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-08/02/77	0	1	
COLO0098	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/01/71-01/27/78	6	3	
COLO0099	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/92-12/07/92	0	2	
COLO0100	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/77-06/02/78	0	3	
COLO0102	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/14/92-12/07/92	0	6	
COLO0105	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-08/02/77	0	1	
COLO0109	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/12/77-06/02/78	0	2	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0112	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/77-12/21/77	0	2	
COLO0114	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-06/02/78	0	2	
COLO0115	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/19/77	0	2	
COLO0116	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/19/77	0	2	
COLO0118	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/19/77	0	2	
COLO0125	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/12/77	0	2	
COLO0150	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/77-06/01/78	0	3	
COLO0156	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/19/86-03/19/86	0	1	
COLO0164	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/14/92-12/07/92	0	6	
COLO0175	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/19/77	0	2	
COLO0176	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-06/01/78	0	3	
COLO0189	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/13/71-12/12/77	6	2	
COLO0194	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/92-12/07/92	0	2	
COLO0214	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/92-12/07/92	0	2	
COLO0065	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/14/71-06/14/71	0	1	
COLO0069	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/14/71-05/16/72	0	2	
COLO0074	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/11/76-04/10/79	3	7	
COLO0084	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/04/75-09/05/78	3	6	
COLO0102	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	05/10/72-06/24/82	10	9	
COLO0120	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/23/78-09/05/78	0	2	
COLO0139	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/16/76-04/19/84	7	8	
COLO0164	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/21/71-09/05/78	7	8	
COLO0199	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/23/71-03/13/79	7	8	
COLO0102	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/12/80-06/12/80	0	1	
COLO0138	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/01/76-04/13/78	2	2	
COLO0139	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/12/80-06/12/84	4	4	
COLO0187	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/01/76-04/13/78	2	2	
COLO0196	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/01/76-04/13/78	2	2	
COLO0139	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/13/87-08/13/87	0	3	
COLO0139	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/19/84-04/19/84	0	1	
COLO0139	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/12/83-06/12/84	1	2	
COLO0065	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/17/72-08/17/72	0	1	
COLO0069	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/16/72-08/17/72	0	2	
COLO0074	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/11/76-04/10/79	3	7	
COLO0084	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/23/74-03/15/79	4	10	
COLO0102	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/10/72-06/24/82	10	11	
COLO0120	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/31/77-03/15/79	1	4	
COLO0139	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/16/76-04/19/84	7	8	
COLO0164	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/21/71-03/15/79	7	17	
COLO0199	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/23/71-03/13/79	7	10	
COLO0070	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/70-09/17/70	0	1	
COLO0075	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/70-09/17/70	0	1	
COLO0102	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/80	0	1	
COLO0138	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0139	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/84	4	4	
COLO0187	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0196	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0070	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/70-09/17/70	0	1	
COLO0075	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/70-09/17/70	0	1	
COLO0102	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/80	0	1	
COLO0138	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0139	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/84	4	4	
COLO0187	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0196	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0065	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/21/70-08/17/72	2	3	
COLO0069	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/21/70-05/24/73	3	6	
COLO0074	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-04/10/79	3	8	
COLO0084	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/23/74-03/15/79	4	10	
COLO0102	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/10/72-06/24/82	10	15	
COLO0120	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/31/77-03/15/79	1	4	
COLO0139	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/76-04/19/84	7	8	
COLO0164	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/70-03/15/79	8	22	
COLO0199	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/19/70-03/13/79	8	17	
COLO0065	No	01042	COPPER, TOTAL (UG/L AS CU)	04/21/70-08/17/72	2	3	
COLO0069	No	01042	COPPER, TOTAL (UG/L AS CU)	04/21/70-05/24/73	3	6	
COLO0074	No	01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-04/10/79	3	8	
COLO0084	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/23/74-03/15/79	4	10	
COLO0102	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/10/72-06/24/82	10	15	
COLO0120	No	01042	COPPER, TOTAL (UG/L AS CU)	08/31/77-03/15/79	1	4	
COLO0139	No	01042	COPPER, TOTAL (UG/L AS CU)	09/16/76-04/19/84	7	8	
COLO0164	No	01042	COPPER, TOTAL (UG/L AS CU)	04/17/70-03/15/79	8	22	
COLO0199	No	01042	COPPER, TOTAL (UG/L AS CU)	03/19/70-03/13/79	8	17	

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Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0001	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0002	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0003	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0004	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0005	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0006	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0007	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0008	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0009	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0010	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0011	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0013	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0014	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0015	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0016	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0017	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0018	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/01/72-09/01/72	0	3	
COLO0019	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0020	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0021	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0022	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0023	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0024	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0025	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0026	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0027	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0028	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0029	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0030	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0031	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0032	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0034	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0035	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0036	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0037	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0038	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0039	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0041	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0043	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0044	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0047	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0048	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0049	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0053	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0054	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0055	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0056	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0057	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0063	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0066	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0067	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0068	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0070	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/17/70-09/17/70	0	1	
COLO0071	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0072	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0075	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/17/70-09/01/72	1	15	
COLO0076	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0077	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0079	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0080	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0082	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0083	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0088	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0089	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	0	1	
COLO0102	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/12/80-06/12/80	0	1	
COLO0138	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/01/76-04/13/78	2	3	
COLO0139	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/12/80-06/12/84	4	4	
COLO0187	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/01/76-04/13/78	2	3	
COLO0196	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/01/76-04/13/78	2	3	
COLO0074	No	01045	IRON, TOTAL (UG/L AS FE)	04/10/79-04/10/79	0	1	
COLO0084	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/05/78-03/15/79	0	2	
COLO0102	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/05/78-03/15/79	0	2	

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Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0120	No	01045	IRON, TOTAL (UG/L AS FE)	09/05/78-03/15/79	0	2	
COLO0139	No	01045	IRON, TOTAL (UG/L AS FE)	03/13/79-03/13/79	0	1	
COLO0164	No	01045	IRON, TOTAL (UG/L AS FE)	04/21/71-03/15/79	7	3	
COLO0199	No	01045	IRON, TOTAL (UG/L AS FE)	03/13/79-03/13/79	0	1	
COLO0231	No	01045	IRON, TOTAL (UG/L AS FE)	07/29/92-07/29/92	0	2	
COLO0058	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-12/12/77	0	2	
COLO0092	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/26/77-06/02/78	0	4	
COLO0093	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-08/02/77	0	1	
COLO0095	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-08/02/77	0	1	
COLO0098	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-01/27/78	0	2	
COLO0100	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/19/77-06/02/78	0	3	
COLO0105	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-08/02/77	0	1	
COLO0109	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/12/77-06/02/78	0	2	
COLO0112	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/19/77-12/21/77	0	2	
COLO0114	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-06/02/78	0	2	
COLO0115	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/19/77	0	2	
COLO0116	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/19/77	0	2	
COLO0118	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/19/77	0	2	
COLO0125	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/12/77	0	2	
COLO0150	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/19/77-06/01/78	0	3	
COLO0175	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/19/77	0	2	
COLO0176	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-06/01/78	0	3	
COLO0189	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/12/77-12/12/77	0	1	
COLO0065	No	01051	LEAD, TOTAL (UG/L AS PB)	06/14/71-08/17/72	1	2	
COLO0069	No	01051	LEAD, TOTAL (UG/L AS PB)	06/14/71-10/12/72	1	4	
COLO0074	No	01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-04/10/79	3	8	
COLO0084	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/23/74-03/15/79	4	10	
COLO0102	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/10/72-06/24/82	10	14	
COLO0120	No	01051	LEAD, TOTAL (UG/L AS PB)	08/31/77-03/15/79	1	4	
COLO0139	No	01051	LEAD, TOTAL (UG/L AS PB)	09/16/76-04/19/84	7	8	
COLO0164	No	01051	LEAD, TOTAL (UG/L AS PB)	04/21/71-03/15/79	7	20	
COLO0199	No	01051	LEAD, TOTAL (UG/L AS PB)	08/23/71-03/13/79	7	13	
COLO0001	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0002	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0003	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0004	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0005	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0006	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0007	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0008	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0009	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0010	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0011	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0013	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0014	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0015	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0016	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0017	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0018	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/01/72-09/01/72	0	3	
COLO0019	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0020	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0021	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0022	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0023	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0024	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0025	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0026	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0027	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0028	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0029	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0030	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0031	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0032	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0034	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0035	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0036	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0037	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0038	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0039	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0041	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0043	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0044	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0047	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0048	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0049	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0053	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0054	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0055	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0056	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0057	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0063	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0066	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0067	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0068	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0070	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/17/70-09/17/70	0	1	
COLO0071	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0072	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0075	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/17/70-09/01/72	1	15	
COLO0076	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0077	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0079	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0080	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0082	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0083	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0088	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0089	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	0	1	
COLO0102	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/12/80-06/12/80	0	1	
COLO0138	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/01/76-04/13/78	2	3	
COLO0139	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/12/80-06/12/84	4	4	
COLO0187	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/01/76-04/13/78	2	3	
COLO0196	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/01/76-04/13/78	2	3	
COLO0070	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/17/70-09/17/70	0	1	
COLO0075	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/17/70-09/17/70	0	1	
COLO0065	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/21/70-04/21/70	0	1	
COLO0069	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/21/70-04/21/70	0	1	
COLO0074	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/79-04/10/79	0	1	
COLO0084	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/79-03/15/79	0	1	
COLO0102	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/79-03/15/79	0	1	
COLO0120	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/79-03/15/79	0	1	
COLO0139	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/79-03/13/79	0	1	
COLO0164	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/17/70-03/15/79	8	3	
COLO0199	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/19/70-03/13/79	8	3	
COLO0231	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-07/29/92	0	2	
COLO0156	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/19/86-03/19/86	0	1	
COLO0139	No	01059	THALLIUM, TOTAL (UG/L AS TL)	04/19/84-04/19/84	0	1	
COLO0069	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/24/73-05/24/73	0	1	
COLO0074	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-04/10/79	3	7	
COLO0084	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/23/74-03/15/79	4	9	
COLO0102	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/23/73-03/15/79	5	11	
COLO0120	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/31/77-03/15/79	1	4	
COLO0139	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/16/76-03/13/79	2	6	
COLO0164	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/05/73-03/15/79	6	14	
COLO0199	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/10/73-03/13/79	5	7	
COLO0102	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/24/82-06/24/82	0	1	
COLO0139	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/24/82-04/19/84	1	2	
COLO0102	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/80	0	1	
COLO0138	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0139	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/84	4	4	
COLO0187	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0196	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	2	3	
COLO0139	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	08/13/87-08/13/87	0	3	
COLO0065	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/21/70-08/17/72	2	3	
COLO0069	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/21/70-05/24/73	3	6	
COLO0074	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-04/10/79	3	8	
COLO0084	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/23/74-03/15/79	4	10	
COLO0102	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/10/72-06/24/82	10	14	
COLO0120	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/31/77-03/15/79	1	4	
COLO0139	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/16/76-04/19/84	7	8	
COLO0164	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/17/70-03/15/79	8	22	
COLO0199	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-03/13/79	8	17	
COLO0001	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0002	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0003	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0004	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0005	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0006	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0007	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0008	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0009	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0010	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0011	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0013	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0014	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0015	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0016	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0017	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0018	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/01/72-09/01/72	0	3	
COLO0019	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0020	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0021	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0022	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0023	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0024	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0025	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0026	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0027	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0028	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0029	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0030	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0031	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0032	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0034	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0035	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0036	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0037	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0038	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0039	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0041	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0043	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0044	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0047	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0048	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0049	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0053	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0054	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0055	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0056	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0057	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0063	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0066	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0067	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0068	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0070	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/17/70-09/17/70	0	1	
COLO0071	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0072	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0075	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/17/70-09/01/72	1	15	
COLO0076	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0077	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0079	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0080	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0082	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0083	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0088	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0089	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	0	1	
COLO0102	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/12/80-06/12/80	0	1	
COLO0138	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/01/76-04/13/78	2	3	
COLO0139	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/12/80-06/12/84	4	4	
COLO0187	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/01/76-04/13/78	2	3	
COLO0196	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/01/76-04/13/78	2	3	
COLO0156	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/19/86-03/19/86	0	1	
COLO0065	No	01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/10/89	4	153	
COLO0139	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/19/84-04/19/84	0	1	
COLO0139	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/12/83-06/12/84	1	2	
COLO0070	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/17/70-09/17/70	0	1	
COLO0075	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/17/70-09/17/70	0	1	
COLO0139	No	02613		09/07/82-09/07/82	0	1	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0050	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/26/74-07/02/74	0	2	
COLO0065	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	08/10/73-08/10/73	0	1	
COLO0069	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	09/26/71-07/26/74	2	6	
COLO0120	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	08/31/77-08/31/77	0	1	
COLO0164	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	02/21/73-02/21/73	0	1	
COLO0199	No	31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	10/16/72-07/19/74	1	7	
COLO0050	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/27/74-06/27/74	0	1	
COLO0065	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-07/11/73	4	15	
COLO0069	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-08/30/74	6	31	
COLO0074	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/11/76-05/22/79	3	17	
COLO0084	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/28/76-11/18/77	1	2	
COLO0102	Yes	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/22/75-11/18/77	2	4	
COLO0120	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/24/77-04/30/79	1	10	
COLO0139	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/01/76-03/13/79	3	17	
COLO0164	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/17/70-11/18/77	7	6	
COLO0199	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/27/68-03/13/79	10	45	
COLO0065	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-07/08/86	2	55	
COLO0102	Yes	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/23/80-08/06/84	3	45	
COLO0139	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/23/80-08/06/84	3	45	
COLO0104	No	31612	COLIFORM, FECAL 10/ML	12/05/78-12/05/78	0	1	
COLO0065	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/28/83-07/08/86	2	38	
COLO0102	Yes	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/23/80-08/06/84	3	46	
COLO0139	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/23/80-08/06/84	3	45	
COLO0206	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/11/88-07/11/88	0	1	
COLO0060	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	15	48	
COLO0073	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	86	
COLO0078	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	89	
COLO0081	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	13	52	
COLO0084	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	0	3	
COLO0087	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	102	
COLO0090	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/18/79-07/18/79	0	1	
COLO0094	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	105	
COLO0096	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	36	105	T,S
COLO0097	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	106	
COLO0099	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	0	3	
COLO0101	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	105	
COLO0102	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	0	3	
COLO0103	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	108	
COLO0104	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	36	102	S
COLO0106	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	64	
COLO0108	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	68	
COLO0110	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	105	
COLO0117	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/07/79-09/10/80	1	5	
COLO0119	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	15	64	
COLO0123	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	17	107	
COLO0126	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	75	
COLO0128	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	80	
COLO0129	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-07/14/69	0	1	
COLO0131	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	38	68	S
COLO0132	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	24	
COLO0135	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	21	
COLO0136	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	24	
COLO0137	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	8	5	
COLO0141	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	65	
COLO0142	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-11/29/77	8	22	
COLO0143	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	8	5	
COLO0144	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	8	46	
COLO0145	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	9	81	
COLO0146	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	41	
COLO0147	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	8	5	
COLO0148	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	24	
COLO0149	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	66	
COLO0151	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	9	41	
COLO0155	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	8	58	
COLO0157	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	34	64	S
COLO0158	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	82	
COLO0161	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-05/01/74	4	2	
COLO0164	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	0	3	
COLO0167	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-07/14/69	0	1	
COLO0169	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	8	47	
COLO0170	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-01/08/80	5	15	
COLO0171	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	81	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0172	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	80	
COLO0173	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	71	
COLO0174	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-01/08/80	2	15	
COLO0180	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	43	
COLO0182	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	7	59	
COLO0185	Yes	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	82	
COLO0186	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	7	80	
COLO0191	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	92	
COLO0193	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	7	85	
COLO0194	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	0	3	
COLO0195	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/25/78-06/25/79	1	4	
COLO0197	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	88	
COLO0198	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-06/25/79	1	9	
COLO0200	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	87	
COLO0201	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-01/08/80	2	17	
COLO0202	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	87	
COLO0203	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	86	
COLO0204	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	7	59	
COLO0205	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	7	40	
COLO0207	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-01/08/80	5	38	
COLO0209	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	7	77	
COLO0210	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	7	43	
COLO0211	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-04/14/76	3	42	
COLO0214	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	0	3	
COLO0215	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	6	79	
COLO0216	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	6	76	
COLO0217	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	5	64	
COLO0218	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-04/14/76	3	41	
COLO0219	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-07/24/79	5	26	
COLO0220	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	7	81	
COLO0221	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	6	67	
COLO0222	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	7	81	
COLO0223	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	5	60	
COLO0050	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-08/05/74	0	6	
COLO0065	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	15	62	
COLO0069	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-08/30/74	3	30	
COLO0074	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/75-05/22/79	3	29	
COLO0084	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	18	38	
COLO0099	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	0	2	
COLO0102	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	21	61	
COLO0120	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/28/77-04/30/79	2	12	
COLO0139	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/01/76-05/07/81	5	34	
COLO0164	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	22	68	
COLO0194	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	0	2	
COLO0199	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	7	49	
COLO0214	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	0	2	
COLO0226	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/92-07/29/92	0	1	
COLO0227	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/87-07/29/92	4	2	
COLO0230	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/87-07/29/92	4	3	
COLO0231	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/92-07/29/92	0	1	
COLO0060	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	07/20/81-12/07/82	1	16	
COLO0073	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	37	
COLO0078	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/16/74-12/07/82	8	40	
COLO0081	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	39	
COLO0087	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	08/14/73-12/07/82	9	40	
COLO0090	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/02/80-12/07/82	2	33	
COLO0094	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	39	
COLO0096	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	38	
COLO0097	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	41	
COLO0101	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	40	
COLO0103	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	40	
COLO0104	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/74-12/07/82	8	43	
COLO0106	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	40	
COLO0108	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	42	
COLO0110	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	40	
COLO0117	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-08/18/81	1	22	
COLO0119	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	41	
COLO0123	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/12/66-12/07/82	16	38	
COLO0126	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	33	
COLO0128	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0131	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	40	
COLO0132	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	33	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0135	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0136	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	33	
COLO0141	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0145	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	37	
COLO0146	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	34	
COLO0148	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	33	
COLO0149	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	33	
COLO0151	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	3	37	
COLO0157	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0158	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	34	
COLO0161	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	07/27/81-07/27/81	0	1	
COLO0170	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-06/23/81	1	5	
COLO0171	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0172	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0173	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0174	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-06/23/81	1	5	
COLO0180	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-11/22/82	3	15	
COLO0182	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	22	
COLO0185	Yes	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	31	
COLO0186	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	24	
COLO0191	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	36	
COLO0193	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	31	
COLO0195	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/79-05/04/81	1	4	
COLO0197	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0198	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/79-05/04/81	1	4	
COLO0200	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	36	
COLO0201	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	21	
COLO0202	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	36	
COLO0203	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	32	
COLO0204	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	30	
COLO0205	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-06/23/81	1	16	
COLO0207	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	34	
COLO0209	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0210	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	36	
COLO0215	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	36	
COLO0216	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	34	
COLO0219	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-06/23/81	1	18	
COLO0220	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	33	
COLO0221	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	33	
COLO0222	No	31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	3	35	
COLO0145	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/26/81-05/26/81	0	1	
COLO0171	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/81-06/23/81	0	1	
COLO0182	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	3	14	
COLO0185	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-04/13/82	3	20	
COLO0191	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/28/80-10/28/80	0	1	
COLO0193	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	3	20	
COLO0200	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-04/13/82	3	22	
COLO0204	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	3	20	
COLO0182	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-03/30/78	5	23	
COLO0185	Yes	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	01/24/73-03/30/78	5	33	
COLO0193	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	01/24/73-03/30/78	5	31	
COLO0200	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-10/17/79	6	32	
COLO0203	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	01/24/73-01/24/73	0	1	
COLO0204	No	31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-03/30/78	5	23	
COLO0065	No	32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	0	8	
COLO0065	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	0	8	
COLO0084	Yes	32240	TANNIN AND LIGNIN (MG/L)	11/05/92-04/14/93	0	4	
COLO0099	No	32240	TANNIN AND LIGNIN (MG/L)	11/05/92-03/03/93	0	3	
COLO0102	Yes	32240	TANNIN AND LIGNIN (MG/L)	10/05/92-04/14/93	0	5	
COLO0164	No	32240	TANNIN AND LIGNIN (MG/L)	10/05/92-04/14/93	0	4	
COLO0194	No	32240	TANNIN AND LIGNIN (MG/L)	11/05/92-04/14/93	0	3	
COLO0214	No	32240	TANNIN AND LIGNIN (MG/L)	11/05/92-04/14/93	0	3	
COLO0139	No	34258	B-BHC-BETA WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0231	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/29/92-07/29/92	0	2	
COLO0139	No	34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0231	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/29/92-07/29/92	0	2	
COLO0231	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/29/92-07/29/92	0	2	
COLO0139	No	34360	ENDOSULFAN, BETA WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0231	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/29/92-07/29/92	0	2	
COLO0139	No	34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0231	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/29/92-07/29/92	0	2	
COLO0139	No	34480	THALLIUM DRY WGTBOTMG/KG	05/12/83-06/12/84	1	2	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0139	No	34670	PCB - 1260 WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0231	No	34671	PCB - 1016 TOTWUG/L	07/29/92-07/29/92	0	2	
COLO0139	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	07/17/79-08/13/87	8	20	
COLO0139	No	34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	07/17/79-08/13/87	8	20	
COLO0139	No	34685	ENDRIN WET WGTTISMG/KG	07/17/79-08/13/87	8	20	
COLO0139	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0139	No	34687	HEPTACHLOR WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0139	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	07/17/79-08/13/87	8	20	
COLO0139	No	34690	PCB - 1254 WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0139	No	34691	TOXAPHENE WET WGTTISMG/KG	08/13/87-08/13/87	0	3	
COLO0102	Yes	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/24/79-06/12/80	0	2	
COLO0139	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/24/79-06/16/81	1	3	
COLO0231	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	0	2	
COLO0139	No	39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	07/17/79-08/09/84	5	17	
COLO0139	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/12/84-07/03/90	6	2	
COLO0231	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/29/92-07/29/92	0	1	
COLO0102	Yes	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/24/79-06/16/81	1	3	
COLO0139	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	07/17/79-08/09/84	5	17	
COLO0102	Yes	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/24/79-06/16/81	1	3	
COLO0139	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	07/17/79-08/09/84	5	17	
COLO0102	Yes	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/24/79-06/16/81	1	3	
COLO0139	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/17/79-08/13/87	8	20	
COLO0102	Yes	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/24/79-06/16/81	1	3	
COLO0139	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/17/79-08/13/87	8	20	
COLO0139	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/17/79-08/13/87	8	20	
COLO0139	No	39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	07/17/79-08/13/87	8	20	
COLO0102	Yes	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0231	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0139	No	39302	P P DDT IN TISSUE WET WGT (UG/G)	07/17/79-08/09/84	5	17	
COLO0102	Yes	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0139	No	39309	O P DDT IN AQUATIC ORGANISMS WET WEIGHT BASIS(UG/G	07/17/79-08/09/84	5	17	
COLO0102	Yes	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0231	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0139	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	07/17/79-08/09/84	5	17	
COLO0102	Yes	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0102	Yes	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0231	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0139	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	07/17/79-08/09/84	5	17	
COLO0139	No	39325	O,P DDD IN TISSUE WET WGT (UG/G)	07/17/79-08/09/84	5	17	
COLO0102	Yes	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0139	No	39329	O,P DDE IN TISSUE, WET WGT(UG/G)	07/17/79-08/09/84	5	17	
COLO0102	Yes	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/24/82	2	3	
COLO0139	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-04/19/84	4	5	
COLO0231	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0139	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/12/83-05/12/83	0	1	
COLO0231	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/29/92-07/29/92	0	2	
COLO0231	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/29/92-07/29/92	0	2	
COLO0231	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/29/92-07/29/92	0	2	
COLO0102	Yes	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/24/79-06/12/80	0	2	
COLO0139	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/24/79-06/16/81	1	3	
COLO0139	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/12/84-07/03/90	6	2	
COLO0231	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/29/92-07/29/92	0	1	
COLO0139	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	6	2	
COLO0231	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	0	1	
COLO0130	No	39364	DDD IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/72-08/15/72	0	6	
COLO0065	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	05/11/71-05/11/71	0	1	
COLO0069	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	05/11/71-05/11/71	0	1	
COLO0139	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	6	2	
COLO0231	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	0	1	
COLO0130	No	39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/72-07/12/79	6	43	
COLO0069	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	05/11/71-05/11/71	0	1	
COLO0139	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	6	2	

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Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0231	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	0	1	
COLO0130	No	39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	03/30/76-03/30/76	0	1	
COLO0139	No	39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	08/09/84-08/09/84	0	3	
COLO0102	Yes	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0164	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/21/71-04/21/71	0	1	
COLO0231	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0139	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/12/84-07/03/90	6	2	
COLO0231	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/29/92-07/29/92	0	1	
COLO0199	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/01/71-08/01/71	0	1	
COLO0102	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0231	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0139	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	6	2	
COLO0231	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	0	1	
COLO0231	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0139	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/12/84-07/03/90	6	2	
COLO0231	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/29/92-07/29/92	0	1	
COLO0139	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	07/17/79-08/13/87	8	20	
COLO0231	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0139	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	6	2	
COLO0231	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	0	1	
COLO0231	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	0	2	
COLO0102	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0231	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	0	2	
COLO0231	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	0	2	
COLO0231	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	0	2	
COLO0231	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	0	2	
COLO0231	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	0	2	
COLO0018	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	05/20/71-05/20/71	0	2	
COLO0139	No	39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/17/79-08/13/87	8	20	
COLO0102	Yes	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0130	No	39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	03/20/76-07/12/79	3	23	
COLO0139	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/12/84-07/03/90	6	2	
COLO0231	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/29/92-07/29/92	0	1	
COLO0102	Yes	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	06/24/82-06/24/82	0	1	
COLO0139	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	06/24/82-04/19/84	1	2	
COLO0139	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/12/83-05/12/83	0	1	
COLO0102	Yes	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	0	2	
COLO0139	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	1	3	
COLO0139	No	39781	LINDANE AQUATIC ORGANISMS WT WGT BASIS(UG/G)	07/17/79-08/09/84	5	17	
COLO0139	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	07/17/79-08/13/87	8	20	
COLO0065	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-09/27/83	0	3	
COLO0074	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/01/75-05/01/75	0	1	
COLO0139	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/23/76-11/23/76	0	1	
COLO0199	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/23/76-11/23/76	0	1	
COLO0058	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-12/12/77	0	2	
COLO0062	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/71-07/20/71	0	1	
COLO0092	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/77-06/02/78	0	4	
COLO0093	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-08/02/77	0	1	
COLO0095	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-08/02/77	0	1	
COLO0098	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/01/71-01/27/78	6	3	
COLO0100	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/77-06/02/78	0	3	
COLO0105	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-08/02/77	0	1	
COLO0109	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/12/77-06/02/78	0	2	
COLO0112	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/77-12/21/77	0	2	
COLO0114	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-06/02/78	0	2	
COLO0115	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/19/77	0	2	
COLO0116	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/19/77	0	2	
COLO0118	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/19/77	0	2	
COLO0125	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/12/77	0	2	
COLO0150	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/77-06/01/78	0	3	
COLO0175	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/19/77	0	2	
COLO0176	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-06/01/78	0	3	
COLO0189	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/13/71-12/12/77	6	2	
COLO0058	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-12/12/77	0	2	
COLO0062	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/20/71-07/20/71	0	1	
COLO0092	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/26/77-06/02/78	0	4	
COLO0093	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-08/02/77	0	1	
COLO0095	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-08/02/77	0	1	

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Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0098	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/01/71-01/27/78	6	3	
COLO0100	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/77-06/02/78	0	3	
COLO0105	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-08/02/77	0	1	
COLO0109	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/12/77-06/02/78	0	2	
COLO0112	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/77-12/21/77	0	2	
COLO0114	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-06/02/78	0	2	
COLO0115	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/19/77	0	2	
COLO0116	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/19/77	0	2	
COLO0118	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/19/77	0	2	
COLO0125	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/12/77	0	2	
COLO0150	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/77-06/01/78	0	3	
COLO0175	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/19/77	0	2	
COLO0176	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-06/01/78	0	3	
COLO0189	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/13/71-12/12/77	6	2	
COLO0058	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-12/12/77	0	2	
COLO0092	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/26/77-06/02/78	0	4	
COLO0093	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-08/02/77	0	1	
COLO0095	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-08/02/77	0	1	
COLO0098	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-01/27/78	0	2	
COLO0100	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/77-06/02/78	0	3	
COLO0105	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-08/02/77	0	1	
COLO0109	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/12/77-06/02/78	0	2	
COLO0112	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/77-12/21/77	0	2	
COLO0114	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-06/02/78	0	2	
COLO0115	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/19/77	0	2	
COLO0116	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/19/77	0	2	
COLO0118	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/19/77	0	2	
COLO0125	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/12/77	0	2	
COLO0150	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/77-06/01/78	0	3	
COLO0175	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/19/77	0	2	
COLO0176	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-06/01/78	0	3	
COLO0189	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/12/77-12/12/77	0	1	
COLO0050	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/26/74-07/26/74	0	5	
COLO0065	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/21/70-09/04/73	3	24	
COLO0069	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/21/70-08/30/74	4	34	
COLO0074	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/01/75-05/22/79	4	25	
COLO0084	Yes	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/08/74-04/30/79	4	36	
COLO0102	Yes	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/10/72-04/30/79	6	44	
COLO0120	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/28/77-04/30/79	2	12	
COLO0139	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/01/76-08/16/78	2	9	
COLO0164	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/17/70-04/30/79	9	46	
COLO0199	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/19/70-08/16/78	8	31	
COLO0050	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-07/26/74	0	5	
COLO0065	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/21/70-09/04/73	3	26	
COLO0069	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/21/70-08/30/74	4	34	
COLO0074	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/01/75-05/22/79	4	33	
COLO0084	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/74-08/25/93	19	49	
COLO0099	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/05/92-08/25/93	0	10	
COLO0102	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/10/72-08/25/93	21	58	
COLO0120	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/28/77-04/30/79	2	12	
COLO0139	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/01/76-03/13/79	3	18	
COLO0164	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/17/70-08/25/93	23	62	
COLO0194	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/05/92-08/25/93	0	10	
COLO0199	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/19/70-03/13/79	8	37	
COLO0214	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/05/92-08/25/93	0	9	
COLO0062	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/20/71-07/20/71	0	1	
COLO0098	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/01/71-07/01/71	0	1	
COLO0189	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/13/71-07/13/71	0	1	
COLO0058	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-12/12/77	0	2	
COLO0092	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/26/77-06/02/78	0	4	
COLO0093	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-08/02/77	0	1	
COLO0095	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-08/02/77	0	1	
COLO0098	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-01/27/78	0	2	
COLO0100	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/19/77-06/02/78	0	3	
COLO0105	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-08/02/77	0	1	
COLO0109	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/12/77-06/02/78	0	2	
COLO0112	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/19/77-12/21/77	0	2	
COLO0114	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-08/02/77	0	1	
COLO0115	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/19/77	0	2	
COLO0116	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/19/77	0	2	
COLO0118	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/19/77	0	2	
COLO0125	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/12/77	0	2	

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Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0150	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/19/77-06/01/78	0	3	
COLO0156	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/19/86-03/19/86	0	1	
COLO0175	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/19/77	0	2	
COLO0176	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-06/01/78	0	3	
COLO0189	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/12/77-12/12/77	0	1	
COLO0058	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-12/12/77	0	2	
COLO0092	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	07/26/77-06/02/78	0	4	
COLO0093	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-08/02/77	0	1	
COLO0095	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-08/02/77	0	1	
COLO0098	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-01/27/78	0	2	
COLO0100	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/19/77-06/02/78	0	3	
COLO0105	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-08/02/77	0	1	
COLO0109	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/12/77-06/02/78	0	2	
COLO0112	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/19/77-12/21/77	0	2	
COLO0114	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-06/02/78	0	2	
COLO0115	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/19/77	0	2	
COLO0116	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/19/77	0	2	
COLO0118	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/19/77	0	2	
COLO0125	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/12/77	0	2	
COLO0150	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/19/77-06/01/78	0	3	
COLO0175	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/19/77	0	2	
COLO0176	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-06/01/78	0	3	
COLO0189	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/12/77-12/12/77	0	1	
COLO0062	Yes	71885	IRON (UG/L AS FE)	07/20/71-07/20/71	0	1	
COLO0098	No	71885	IRON (UG/L AS FE)	07/01/71-07/01/71	0	1	
COLO0156	No	71885	IRON (UG/L AS FE)	03/19/86-03/19/86	0	1	
COLO0065	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/14/71-08/17/72	1	2	
COLO0069	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/14/71-05/24/73	1	5	
COLO0074	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-04/10/79	3	8	
COLO0084	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/23/74-03/15/79	4	10	
COLO0102	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	05/10/72-06/24/82	10	15	
COLO0120	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/31/77-03/15/79	1	4	
COLO0139	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/16/76-04/19/84	7	8	
COLO0164	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/21/71-03/15/79	7	21	
COLO0199	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/10/70-03/13/79	8	14	
COLO0051	No	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	05/20/71-05/20/71	0	3	
COLO0139	No	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	07/17/79-08/09/84	5	17	
COLO0140	No	71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	07/17/79-07/16/80	0	8	
COLO0001	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0002	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0003	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0004	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0005	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0006	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0007	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0008	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0009	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0010	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0011	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0013	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0014	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0015	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0016	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0017	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0018	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/01/72-09/01/72	0	3	
COLO0019	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0020	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0021	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0022	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0023	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0024	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0025	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0026	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0027	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0028	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0029	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0030	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0031	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0032	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0034	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0035	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0036	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0037	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0038	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0039	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0041	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0043	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0044	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0047	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0048	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0049	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0053	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0054	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0055	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0056	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0057	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0063	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0066	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0067	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0068	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0070	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/17/70-09/17/70	0	1	
COLO0071	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0072	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0075	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/17/70-09/01/72	1	15	
COLO0076	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0077	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0079	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0080	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0082	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0083	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0088	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0089	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	0	1	
COLO0138	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/01/76-04/13/78	2	3	
COLO0139	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/81-06/12/84	2	3	
COLO0187	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/01/76-04/13/78	2	3	
COLO0196	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/01/76-04/13/78	2	3	
COLO0051	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	05/20/71-05/20/71	0	3	
COLO0075	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/70-09/17/70	0	1	
COLO0139	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/17/79-08/13/87	8	20	
COLO0140	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/17/79-07/16/80	0	8	
COLO0139	No	71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	07/17/79-08/09/84	5	17	
COLO0051	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/20/71-05/20/71	0	5	
COLO0075	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/17/70-09/17/70	0	1	
COLO0139	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/10/82-08/13/87	5	9	
COLO0140	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/17/79-07/16/80	0	8	
COLO0018	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/15/72-07/15/72	0	2	
COLO0051	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/20/71-07/15/72	1	7	
COLO0075	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/17/70-07/15/72	1	3	
COLO0130	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	8	31	
COLO0139	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/10/82-08/13/87	5	9	
COLO0140	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/17/79-07/16/80	0	8	
COLO0018	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/15/72-07/15/72	0	2	
COLO0051	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/20/71-07/15/72	1	7	
COLO0075	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/17/70-07/15/72	1	3	
COLO0130	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	8	28	
COLO0139	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/13/87-08/13/87	0	3	
COLO0051	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	05/20/71-05/20/71	0	5	
COLO0075	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/17/70-09/17/70	0	1	
COLO0139	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	08/10/82-08/13/87	5	9	
COLO0140	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/17/79-07/16/80	0	8	
COLO0018	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/15/72-07/15/72	0	2	
COLO0051	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	05/20/71-07/15/72	1	6	
COLO0075	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/70-07/15/72	1	3	
COLO0130	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/72-10/17/80	8	31	
COLO0139	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/10/82-08/13/87	5	9	
COLO0140	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/17/79-07/16/80	0	8	
COLO0139	No	71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/17/79-08/09/84	5	17	
COLO0139	No	71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	07/17/79-08/09/84	5	17	
COLO0139	No	71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/17/79-08/09/84	5	17	
COLO0058	Yes	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-12/12/77	0	2	
COLO0062	Yes	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	07/20/71-07/20/71	0	1	
COLO0093	Yes	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	0	1	
COLO0095	Yes	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	0	1	
COLO0098	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	0	1	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0105	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	0	1	
COLO0109	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	12/12/77-12/12/77	0	1	
COLO0112	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/19/77-08/19/77	0	1	
COLO0114	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	0	1	
COLO0115	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	12/19/77-12/19/77	0	1	
COLO0116	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/11/77-12/19/77	0	2	
COLO0118	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	12/19/77-12/19/77	0	1	
COLO0125	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/11/77-12/12/77	0	2	
COLO0150	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/19/77-08/19/77	0	1	
COLO0175	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/11/77-12/19/77	0	2	
COLO0176	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/11/77-12/19/77	0	2	
COLO0189	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	07/13/71-12/12/77	6	2	
COLO0062	Yes	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	07/20/71-08/02/77	6	2	
COLO0093	Yes	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	0	1	
COLO0095	Yes	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	0	1	
COLO0098	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	07/01/71-01/27/78	6	3	
COLO0100	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-06/02/78	0	3	
COLO0105	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	0	1	
COLO0109	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	12/12/77-06/02/78	0	2	
COLO0112	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-12/21/77	0	2	
COLO0114	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-06/02/78	0	2	
COLO0116	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	0	2	
COLO0118	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	0	2	
COLO0125	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/12/77	0	2	
COLO0150	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-06/01/78	0	3	
COLO0175	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	0	2	
COLO0176	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-06/01/78	0	3	
COLO0062	Yes	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	07/20/71-08/02/77	6	2	
COLO0093	Yes	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	0	1	
COLO0095	Yes	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	0	1	
COLO0098	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	07/01/71-01/27/78	6	3	
COLO0100	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-06/02/78	0	3	
COLO0105	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	0	1	
COLO0109	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	12/12/77-06/02/78	0	2	
COLO0112	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-12/21/77	0	2	
COLO0114	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-06/02/78	0	2	
COLO0116	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	0	2	
COLO0118	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	0	2	
COLO0125	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/12/77	0	2	
COLO0150	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-06/01/78	0	3	
COLO0175	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	0	2	
COLO0176	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-06/01/78	0	3	
COLO0156	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/19/86-03/19/86	0	1	
COLO0163	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/19/86-03/19/86	0	1	
COLO0139	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/03/90-07/03/90	0	1	
COLO0231	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/29/92-07/29/92	0	1	
COLO0139	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/03/90-07/03/90	0	1	
COLO0231	No	79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/29/92-07/29/92	0	1	
COLO0107	No	80250	SEDIMENT PARTICLE SIZE FRACT.<.0625MM % DRY WEIGHT	11/08/78-11/08/78	0	1	
COLO0121	No	80250	SEDIMENT PARTICLE SIZE FRACT.<.0625MM % DRY WEIGHT	11/08/78-11/08/78	0	1	
COLO0107	No	80251	SEDIMENT PRCTL.SIZE CLASS.06-.125MMV-FINESAND%DRWT	11/08/78-11/08/78	0	1	
COLO0121	No	80251	SEDIMENT PRCTL.SIZE CLASS.06-.125MMV-FINESAND%DRWT	11/08/78-11/08/78	0	1	
COLO0107	No	80252	SEDIMENT PRTCL.SIZE CLASS.125-.250MMFINESAND%DRYWT	11/08/78-11/08/78	0	1	
COLO0121	No	80252	SEDIMENT PRTCL.SIZE CLASS.125-.250MMFINESAND%DRYWT	11/08/78-11/08/78	0	1	
COLO0107	No	80253	SEDIMENT PRCTL.SIZE CLASS0.25-.50MMMED SAND %DRYWT	11/08/78-11/08/78	0	1	
COLO0121	No	80253	SEDIMENT PRCTL.SIZE CLASS0.25-.50MMMED SAND %DRYWT	11/08/78-11/08/78	0	1	
COLO0107	No	80254	SEDIMENT PRCTL.SIZE CLASS0.5-2.0MMCRS SAND %DRYWT	11/08/78-11/08/78	0	1	
COLO0121	No	80254	SEDIMENT PRCTL.SIZE CLASS0.5-2.0MMCRS SAND %DRYWT	11/08/78-11/08/78	0	1	
COLO0107	No	80255	SEDIMENT PRCTL.SIZE CLASS1.0-2.0MMV-CRS SAND%DRYWT	11/08/78-11/08/78	0	1	
COLO0121	No	80255	SEDIMENT PRCTL.SIZE CLASS1.0-2.0MMV-CRS SAND%DRYWT	11/08/78-11/08/78	0	1	
COLO0107	No	80256	SEDIMENT PRTCL.SIZE CLASS>2.0MM GRAVEL % DRY WT.	11/08/78-11/08/78	0	1	
COLO0121	No	80256	SEDIMENT PRTCL.SIZE CLASS>2.0MM GRAVEL % DRY WT.	11/08/78-11/08/78	0	1	
COLO0018	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/20/71-07/15/72	1	4	
COLO0051	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/20/71-07/15/72	1	10	
COLO0075	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/17/70-07/15/72	1	3	
COLO0130	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	8	88	
COLO0139	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/17/79-08/13/87	8	20	
COLO0140	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/17/79-07/16/80	0	8	
COLO0139	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	07/17/79-08/13/87	8	20	
COLO0130	No	81656	MAGNESIUM IN FISH TISSUE WET WEIGHT MG/KG	06/17/75-06/17/75	0	4	
COLO0139	No	81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	08/13/87-08/13/87	0	3	
COLO0075	No	81747	MANGANESE IN SHELLFISH TISSUE WET WEIGHT PPM MG/KG	09/17/70-09/17/70	0	1	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0075	No	81813	IRON IN SHELLFISH TISSUE WET WEIGHT MG/KG	09/17/70-09/17/70	0	1	
COLO0139	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	08/13/87-08/13/87	0	3	
COLO0018	No	81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	05/20/71-05/20/71	0	2	
COLO0139	No	81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	08/13/87-08/13/87	0	3	
COLO0018	No	81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	05/20/71-05/20/71	0	1	
COLO0139	No	81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	08/13/87-08/13/87	0	3	
COLO0084	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/14/92-07/13/93	0	11	
COLO0099	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/05/92-07/13/93	0	8	
COLO0102	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/14/92-07/13/93	0	12	
COLO0164	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/14/92-07/13/93	0	12	
COLO0194	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/05/92-07/13/93	0	8	
COLO0214	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/05/92-07/13/93	0	8	
COLO0156	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/19/86-03/19/86	0	1	
COLO0060	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	64	
COLO0073	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	123	T
COLO0078	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	129	T
COLO0081	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	17	90	
COLO0087	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	141	T,A
COLO0090	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/18/79-12/07/82	3	34	
COLO0094	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	143	T,A
COLO0096	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	39	142	T,A,S
COLO0097	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	146	T,A
COLO0101	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	144	T,A
COLO0103	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	147	T,A
COLO0104	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	39	145	T,A,S
COLO0106	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	103	
COLO0108	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	109	T
COLO0110	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	144	T,A
COLO0117	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/07/79-08/18/81	2	27	
COLO0119	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	104	T
COLO0123	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	144	T,A
COLO0126	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	107	
COLO0128	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	114	A
COLO0129	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-07/14/69	0	1	
COLO0131	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	41	107	T,S
COLO0132	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	57	
COLO0135	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	56	
COLO0136	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	57	
COLO0137	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	5	
COLO0141	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	100	
COLO0142	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-11/29/77	8	21	
COLO0143	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	5	
COLO0144	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	46	
COLO0145	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	13	118	A
COLO0146	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	74	
COLO0147	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	5	
COLO0148	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	57	
COLO0149	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	99	
COLO0151	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	13	78	
COLO0155	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	8	57	
COLO0157	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	37	99	S
COLO0158	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	115	A
COLO0161	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-07/27/81	12	3	
COLO0167	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-07/14/69	0	1	
COLO0169	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	47	
COLO0170	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	7	20	
COLO0171	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	115	A
COLO0172	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	114	A
COLO0173	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	106	
COLO0174	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	12/15/77-06/23/81	3	20	
COLO0180	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	13	58	
COLO0182	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	81	
COLO0185	Yes	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	112	A
COLO0186	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	103	
COLO0191	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	126	A
COLO0193	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	115	
COLO0195	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/25/78-05/04/81	2	8	
COLO0197	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	122	A
COLO0198	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	12/15/77-05/04/81	3	13	
COLO0200	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	121	A
COLO0201	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	12/15/77-12/20/82	5	38	
COLO0202	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	122	A

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0203	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	117	A
COLO0204	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	89	
COLO0205	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	5	54	
COLO0207	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	8	71	
COLO0209	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	111	A
COLO0210	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	78	
COLO0211	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-04/14/76	3	42	
COLO0215	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	114	A
COLO0216	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	109	
COLO0217	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	5	63	
COLO0218	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-04/14/76	3	41	
COLO0219	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	7	43	
COLO0220	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	113	A
COLO0221	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	98	
COLO0222	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	115	A
COLO0223	No	82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	5	59	
COLO0060	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	64	
COLO0073	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	123	T
COLO0078	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	129	T
COLO0081	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	17	90	
COLO0087	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	141	T,A
COLO0090	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/18/79-12/07/82	3	34	
COLO0094	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	143	T,A
COLO0096	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	39	142	T,A,S
COLO0097	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	146	T,A
COLO0101	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	144	T,A
COLO0103	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	147	T,A
COLO0104	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	39	145	T,A,S
COLO0106	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	103	
COLO0108	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	109	T
COLO0110	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	144	T,A
COLO0117	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/07/79-08/18/81	2	27	
COLO0119	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	104	T
COLO0123	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	18	144	T,A
COLO0126	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	107	
COLO0128	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	114	A
COLO0129	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-07/14/69	0	1	
COLO0131	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	41	107	S
COLO0132	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	57	
COLO0135	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	56	
COLO0136	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	57	
COLO0137	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	5	
COLO0141	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	100	
COLO0142	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-11/29/77	8	21	
COLO0143	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	5	
COLO0144	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	46	
COLO0145	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	13	118	A
COLO0146	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	74	
COLO0147	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	5	
COLO0148	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	57	
COLO0149	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	99	
COLO0151	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	13	78	
COLO0155	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	8	57	
COLO0157	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	37	99	S
COLO0158	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	115	A
COLO0161	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-07/27/81	12	3	
COLO0167	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-07/14/69	0	1	
COLO0169	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	8	47	
COLO0170	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	7	20	
COLO0171	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	115	A
COLO0172	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	114	A
COLO0173	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	106	
COLO0174	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	12/15/77-06/23/81	3	20	
COLO0180	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	13	58	
COLO0182	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	81	
COLO0185	Yes	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	112	A
COLO0186	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	103	
COLO0191	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	126	A
COLO0193	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	115	
COLO0195	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/25/78-05/04/81	2	8	
COLO0197	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	122	A
COLO0198	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	12/15/77-05/04/81	3	13	

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

Station/Parameter Period of Record Tabulation
From 08/17/41 To 08/25/93

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
COLO0200	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	121	A
COLO0201	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	12/15/77-12/20/82	5	38	
COLO0202	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	122	A
COLO0203	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	117	A
COLO0204	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	89	
COLO0205	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	5	54	
COLO0207	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	8	71	
COLO0209	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	111	A
COLO0210	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	78	
COLO0211	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-04/14/76	3	42	
COLO0215	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	114	A
COLO0216	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	109	
COLO0217	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	5	63	
COLO0218	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-04/14/76	3	41	
COLO0219	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	7	43	
COLO0220	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	113	A
COLO0221	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	99	
COLO0222	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	115	A
COLO0223	No	82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	5	59	
COLO0156	No	83509	STREAM, WIDTH METER	03/19/86-03/19/86	0	1	
COLO0163	No	83509	STREAM, WIDTH METER	03/19/86-03/19/86	0	1	

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

Station-By-Station Results

Station Inventory for Station: COLO0001

NPS Station ID: COLO0001
LAT/LON: 37.175559/ -76.749171
Agency: 11NORCOR
Date Created: 06/09/79
Location: 30.50 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR145B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.940
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.71
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	31.6	31.6	31.6	31.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	36.2	36.2	36.2	36.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	156.6	156.6	156.6	156.6	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0002

NPS Station ID: COLO0002
LAT/LON: 37.178337/ -76.738337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 29.25 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR143B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.940
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.86
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	31.8	31.8	31.8	31.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	41.4	41.4	41.4	41.4	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	180.6	180.6	180.6	180.6	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0003

NPS Station ID: COLO0003
LAT/LON: 37.178892/ -76.743892
Agency: 11NORCOR
Date Created: 06/09/79
Location: 30.00 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR144
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.940
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.72
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	20.5	20.5	20.5	20.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	17.3	17.3	17.3	17.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	122.2	122.2	122.2	122.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0004

NPS Station ID: COLO0004
LAT/LON: 37.179726/ -76.749171
Agency: 11NORCOR
Date Created: 06/09/79
Location: 30.50 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR145
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.940
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.61
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	33.2	33.2	33.2	33.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	42.2	42.2	42.2	42.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	184.8	184.8	184.8	184.8	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0005

NPS Station ID: COLO0005
LAT/LON: 37.179726/ -76.756115
Agency: 11NORCOR
Date Created: 06/09/79
Location: 31.00 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR146B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 10.250
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.60
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.1	32.1	32.1	32.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	181.1	181.1	181.1	181.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0006

NPS Station ID: COLO0006
LAT/LON: 37.180281/ -76.736392
Agency: 11NORCOR
Date Created: 06/09/79
Location: 29.00 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR142B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.060
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.88
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.9	32.9	32.9	32.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	47.2	47.2	47.2	47.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	165.4	165.4	165.4	165.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	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 time series plot

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

Station Inventory for Station: COLO0007

NPS Station ID: COLO0007
LAT/LON: 37.181671/ -76.754170
Agency: 11NORCOR
Date Created: 06/09/79
Location: 31.00 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR146
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 10.250
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.43
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	41.4	41.4	41.4	41.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	47.	47.	47.	47.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	205.8	205.8	205.8	205.8	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0008

NPS Station ID: COLO0008
LAT/LON: 37.182504/ -76.733337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.75 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR141B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.060
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 4.49
Distance from RF3: 0.82
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.4	32.4	32.4	32.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	47.6	47.6	47.6	47.6	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	177.2	177.2	177.2	177.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0009

NPS Station ID: COLO0009
LAT/LON: 37.182504/ -76.738337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 29.25 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR143
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.500
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 4.49
Distance from RF3: 0.63
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	36.4	36.4	36.4	36.4	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	145.2	145.2	145.2	145.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0010

NPS Station ID: COLO0010
LAT/LON: 37.182504/ -76.763615
Agency: 11NORCOR
Date Created: 06/09/79
Location: 31.50 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR147B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 10.660
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 3.11
Distance from RF3: 0.59
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	29.8	29.8	29.8	29.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	127.7	127.7	127.7	127.7	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0011

NPS Station ID: COLO0011
LAT/LON: 37.183060/ -76.743892
Agency: 11NORCOR
Date Created: 06/09/79
Location: 30.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR144R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.790
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001608.80
RF3 Mile Point: 9.94
Distance from RF3: 1.11
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	28.8	28.8	28.8	28.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	22.3	22.3	22.3	22.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	213.7	213.7	213.7	213.7	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0012

NPS Station ID: COLO0012
LAT/LON: 37.183337/ -76.733337
Agency: CHESBAY
Date Created: 01/29/83
Location: VIMS STATION J52 - JAMES RIVER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQD1060
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.060
Distance from RF1: 12.60
On/Off RF1: OFF
RF3 Index: 02080206001608.80
RF3 Mile Point: 10.60
Distance from RF3: 1.23
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0012

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

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

Station Inventory for Station: COLO0013

NPS Station ID: COLO0013
LAT/LON: 37.183615/ -76.752227
Agency: 11NORCOR
Date Created: 06/09/79
Location: 31.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR146R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 10.140
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.76
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	41.9	41.9	41.9	41.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	46.3	46.3	46.3	46.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	171.4	171.4	171.4	171.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0014

NPS Station ID: COLO0014
LAT/LON: 37.183893/ -76.749171
Agency: 11NORCOR
Date Created: 06/09/79
Location: 30.50 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR145R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 10.040
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001608.80
RF3 Mile Point: 9.85
Distance from RF3: 0.90
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	30.4	30.4	30.4	30.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	31.9	31.9	31.9	31.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	142.7	142.7	142.7	142.7	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0015

NPS Station ID: COLO0015
LAT/LON: 37.184448/ -76.730281
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.50 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR140B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.920
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 5.63
Distance from RF3: 0.82
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.2	32.2	32.2	32.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	36.1	36.1	36.1	36.1	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	161.	161.	161.	161.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0016

NPS Station ID: COLO0016
LAT/LON: 37.184448/ -76.736392
Agency: 11NORCOR
Date Created: 06/09/79
Location: 29.00 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR142
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.060
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 4.49
Distance from RF3: 0.59
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	24.6	24.6	24.6	24.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	152.5	152.5	152.5	152.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0017

NPS Station ID: COLO0017
LAT/LON: 37.184448/ -76.761670
Agency: 11NORCOR
Date Created: 06/09/79
Location: 31.50 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR147
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 10.660
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.45
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	31.3	31.3	31.3	31.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	40.5	40.5	40.5	40.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	151.9	151.9	151.9	151.9	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0018

NPS Station ID: COLO0018
LAT/LON: 37.185837/ -76.761670
Agency: 21VASWCB
Date Created: 11/08/80
Location: JAMES RIVER, BUOY 54
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQD1257 /X344000 /Y4117000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 10.660
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001603.06
RF3 Mile Point: 3.12
Distance from RF3: 0.29
On/Off RF3:
Description:
FISH KILL 71-011 DES LAB SHEETS 4804,4805,4797 5-20-71/VIMS DATA FROM CROONENBERGHS THESIS JULY 1972/ VIMS, RJ HUGGETT STUDY FOR ARMY CORPS OF ENGINEERS, CONTRACT DACW 65-73-C-0056 /

Parameter Inventory for Station: COLO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/01/72-09/01/72	3	31.3	32.233	34.2	31.2	2.903	1.704	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/01/72-09/01/72	3	46.3	45.733	47.8	43.1	5.763	2.401	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/01/72-09/01/72	3	195.7	198.133	204.3	194.4	28.943	5.38	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	05/20/71-05/20/71	2	1.3	1.3	1.4	1.2	0.02	0.141	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/01/72-09/01/72	3	0.	0.1	0.3	0.	0.03	0.173	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/15/72-07/15/72	2	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/15/72-07/15/72	2	12.6	12.6	13.5	11.7	1.62	1.273	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/15/72-07/15/72	2	0.115	0.115	0.13	0.1	0.	0.021	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/20/71-07/15/72	4	1.	1.	1.	1.	0.	0.	**	**	**	**
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	05/20/71-05/20/71	2	0.675	0.675	0.75	0.6	0.011	0.106	**	**	**	**
81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	05/20/71-05/20/71	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0019

NPS Station ID: COLO0019
LAT/LON: 37.186115/ -76.770838
Agency: 11NORCOR
Date Created: 06/09/79
Location: 32.00 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR148B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 11.490
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.77
Distance from RF3: 0.66
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	25.4	25.4	25.4	25.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0020

NPS Station ID: COLO0020
LAT/LON: 37.186392/ -76.759726
Agency: 11NORCOR
Date Created: 06/09/79
Location: 31.50 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR147R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 10.660
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 3.11
Distance from RF3: 0.76
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	31.3	31.3	31.3	31.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	193.5	193.5	193.5	193.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0021

NPS Station ID: COLO0021
LAT/LON: 37.186670/ -76.733337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.75 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR141
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.060
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 5.63
Distance from RF3: 0.65
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	30.7	30.7	30.7	30.7	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	47.4	47.4	47.4	47.4	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	165.9	165.9	165.9	165.9	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0022

NPS Station ID: COLO0022
LAT/LON: 37.186670/ -76.738337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 29.25 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR143R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.360
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 1.06
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	26.8	26.8	26.8	26.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	40.9	40.9	40.9	40.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	158.	158.	158.	158.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0023

NPS Station ID: COLO0023
LAT/LON: 37.186948/ -76.726670
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.25 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR139B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.630
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 5.63
Distance from RF3: 0.88
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	29.4	29.4	29.4	29.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	45.3	45.3	45.3	45.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	172.4	172.4	172.4	172.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0024

NPS Station ID: COLO0024
LAT/LON: 37.188059/ -76.768892
Agency: 11NORCOR
Date Created: 06/09/79
Location: 32.00 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR148
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 11.490
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 1.68
Distance from RF3: 0.44
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	19.3	19.3	19.3	19.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	22.1	22.1	22.1	22.1	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	102.	102.	102.	102.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0025

NPS Station ID: COLO0025
LAT/LON: 37.188615/ -76.730281
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.50 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR140
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.770
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206091400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.73
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	29.2	29.2	29.2	29.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	46.8	46.8	46.8	46.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	268.2	268.2	268.2	268.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0026

NPS Station ID: COLO0026
LAT/LON: 37.188615/ -76.736392
Agency: 11NORCOR
Date Created: 06/09/79
Location: 29.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR142R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 9.060
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.00
Distance from RF3: 1.04
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.6	32.6	32.6	32.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	51.4	51.4	51.4	51.4	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	152.6	152.6	152.6	152.6	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0027

NPS Station ID: COLO0027
LAT/LON: 37.189170/ -76.723615
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.00 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR138B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.480
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206091400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.94
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	30.6	30.6	30.6	30.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	43.2	43.2	43.2	43.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	170.1	170.1	170.1	170.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0028

NPS Station ID: COLO0028
LAT/LON: 37.190003/ -76.766948
Agency: 11NORCOR
Date Created: 06/09/79
Location: 32.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR148R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 11.060
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001611.93
RF3 Mile Point: 12.18
Distance from RF3: 0.79
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	26.9	26.9	26.9	26.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	35.6	35.6	35.6	35.6	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	139.1	139.1	139.1	139.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0029

NPS Station ID: COLO0029
LAT/LON: 37.190837/ -76.733337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.75 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR141R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.920
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 4.49
Distance from RF3: 1.08
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.3	32.3	32.3	32.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	47.5	47.5	47.5	47.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	185.6	185.6	185.6	185.6	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0030

NPS Station ID: COLO0030
LAT/LON: 37.190837/ -76.777226
Agency: 11NORCOR
Date Created: 06/09/79
Location: 32.50 BLACK
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR149B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 11.800
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001603.06
RF3 Mile Point: 3.66
Distance from RF3: 1.37
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.1	32.1	32.1	32.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	41.3	41.3	41.3	41.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	155.6	155.6	155.6	155.6	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0031

NPS Station ID: COLO0031
LAT/LON: 37.191115/ -76.720559
Agency: 11NORCOR
Date Created: 06/09/79
Location: 27.75 BLACK
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR137B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.190
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206091400.00
RF3 Mile Point: 0.00
Distance from RF3: 1.02
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	31.9	31.9	31.9	31.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	49.2	49.2	49.2	49.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	175.	175.	175.	175.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0032

NPS Station ID: COLO0032
LAT/LON: 37.191115/ -76.726670
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.75 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR139
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.480
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206091400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.81
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	25.4	25.4	25.4	25.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	31.5	31.5	31.5	31.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	255.6	255.6	255.6	255.6	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0033

NPS Station ID: COLO0033
LAT/LON: 37.192782/ -76.730281
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.50 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR140R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.630
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 4.09
Distance from RF3: 1.04
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0033

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

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

Station Inventory for Station: COLO0034

NPS Station ID: COLO0034
LAT/LON: 37.192782/ -76.775282
Agency: 11NORCOR
Date Created: 06/09/79
Location: 32.50 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR149
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 11.800
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206082000.00
RF3 Mile Point: 0.77
Distance from RF3: 0.50
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	28.8	28.8	28.8	28.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	36.1	36.1	36.1	36.1	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	143.4	143.4	143.4	143.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0035

NPS Station ID: COLO0035
LAT/LON: 37.193337/ -76.723615
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.00 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR138
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.330
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206091400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.94
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.5	32.5	32.5	32.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	47.2	47.2	47.2	47.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	181.1	181.1	181.1	181.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0036

NPS Station ID: COLO0036
LAT/LON: 37.194726/ -76.773337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 32.50 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR149R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 11.690
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 1.79
Distance from RF3: 0.68
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	21.2	21.2	21.2	21.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	29.5	29.5	29.5	29.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	109.2	109.2	109.2	109.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0037

NPS Station ID: COLO0037
LAT/LON: 37.195281/ -76.720559
Agency: 11NORCOR
Date Created: 06/09/79
Location: 27.75 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR137
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.040
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 6.25
Distance from RF3: 0.87
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	42.2	42.2	42.2	42.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	167.3	167.3	167.3	167.3	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0038

NPS Station ID: COLO0038
LAT/LON: 37.195281/ -76.726670
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.25 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR139R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.330
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 4.09
Distance from RF3: 1.04
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	41.1	41.1	41.1	41.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	46.5	46.5	46.5	46.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	231.8	231.8	231.8	231.8	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0039

NPS Station ID: COLO0039
LAT/LON: 37.195837/ -76.782503
Agency: 11NORCOR
Date Created: 06/09/79
Location: 33.00 BLACK
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR150B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 12.400
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001611.93
RF3 Mile Point: 12.12
Distance from RF3: 0.67
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	25.4	25.4	25.4	25.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	30.4	30.4	30.4	30.4	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	128.1	128.1	128.1	128.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0040

NPS Station ID: COLO0040
LAT/LON: 37.197226/ -76.717504
Agency: 11NORCOR
Date Created: 06/09/79
Location: 27.50 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR136
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.900
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 6.13
Distance from RF3: 0.79
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0040

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

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

Station Inventory for Station: COLO0041

NPS Station ID: COLO0041
LAT/LON: 37.197503/ -76.723615
Agency: 11NORCOR
Date Created: 06/09/79
Location: 28.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR138R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 8.190
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 5.63
Distance from RF3: 1.08
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	24.6	24.6	24.6	24.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	35.3	35.3	35.3	35.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	180.2	180.2	180.2	180.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0042

NPS Station ID: COLO0042
LAT/LON: 37.197781/ -76.780560
Agency: 11NORCOR
Date Created: 06/09/79
Location: 33.00 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR150
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 12.400
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081800.00
RF3 Mile Point: 1.79
Distance from RF3: 0.51
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0042

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

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

Station Inventory for Station: COLO0043

NPS Station ID: COLO0043
LAT/LON: 37.199449/ -76.720559
Agency: 11NORCOR
Date Created: 06/09/79
Location: 27.75 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR137R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.900
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206091400.00
RF3 Mile Point: 0.00
Distance from RF3: 1.17
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	27.8	27.8	27.8	27.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	36.8	36.8	36.8	36.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	172.2	172.2	172.2	172.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0044

NPS Station ID: COLO0044
LAT/LON: 37.199726/ -76.778615
Agency: 11NORCOR
Date Created: 06/09/79
Location: 33.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR150R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 12.400
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081000.00
RF3 Mile Point: 4.48
Distance from RF3: 0.68
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	20.1	20.1	20.1	20.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	21.9	21.9	21.9	21.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	112.8	112.8	112.8	112.8	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0045

NPS Station ID: COLO0045
Location: VIMS STATION JS16 - JAMES RIVER
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: NORTH ATLANTIC
Minor Basin: JAMES RIVER
RF1 Index: 02080206016
RF3 Index: 02080206001603.06
Description:

LAT/LON: 37.200004/ -76.769170
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 11.200
RF3 Mile Point: 3.46

Agency: CHESBAY
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): XQD2039
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.29

Date Created: 01/29/83
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0045

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

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

Station Inventory for Station: COLO0046

NPS Station ID: COLO0046
Location: VIMS STATION 7 - JAMES RIVER
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: NORTH ATLANTIC
Minor Basin: JAMES RIVER
RF1 Index: 02080206016
RF3 Index: 02080206003508.08
Description:

LAT/LON: 37.200004/ -76.783338

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 12.400
RF3 Mile Point: 8.22

Agency: CHESBAY
FIPS State/County: 51036 VIRGINIA/CHARLES CITY
STORET Station ID(s): XQD2030
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.34

Date Created: 01/29/83

On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/63-08/25/71	400	27.3	26.477	29.6	6.3	11.678	3.417	25.11	26.725	27.7	28.2
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/04/64-08/25/71	35	39.	37.914	59.	20.	84.139	9.173	24.	31.	43.	48.6
00300	OXYGEN, DISSOLVED MG/L	11/05/63-08/25/71	284	7.2	7.258	10.9	3.5	0.436	0.66	6.6	6.9	7.5	8.
00480	SALINITY - PARTS PER THOUSAND	11/05/63-08/25/71	367	0.9	1.676	9.2	0.09	2.481	1.575	0.3	0.5	2.3	3.9

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

EPA Water Quality Criteria Analysis for Station: COLO0046

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	284	1	0.00	275	1	0.00	7	0	0.00	2	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/63-08/25/71	379	27.4	27.228	29.6	24.3	0.935	0.967	25.7	26.9	27.7	28.2
00480	SALINITY - PARTS PER THOUSAND	11/05/63-08/25/71	346	0.8	1.503	4.6	0.1	1.527	1.236	0.4	0.5	2.2	3.53

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/63-08/25/71	16	12.3	12.138	14.1	6.5	2.603	1.613	10.49	12.3	12.3	13.96
00480	SALINITY - PARTS PER THOUSAND	11/05/63-08/25/71	16	6.7	5.868	9.2	0.09	5.275	2.297	1.707	4.55	7.45	8.15

** - 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 #3: 3/01 to 6/30 - Station COLO0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/63-08/25/71	5	16.5	15.48	23.8	6.3	39.762	6.306	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11/05/63-08/25/71	5	0.2	0.236	0.6	0.09	0.044	0.211	**	**	**	**

** - Less than 9 observations ## - Computed 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: COLO0047

NPS Station ID: COLO0047
LAT/LON: 37.200837/ -76.708338
Agency: 11NORCOR
Date Created: 06/09/79
Location: 27.00 CENTER
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR134
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.320
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001603.06
RF3 Mile Point: 3.69
Distance from RF3: 0.73
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	13.5	13.5	13.5	13.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	17.8	17.8	17.8	17.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	72.	72.	72.	72.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0048

NPS Station ID: COLO0048
LAT/LON: 37.201392/ -76.717504
Agency: 11NORCOR
Date Created: 06/09/79
Location: 27.50 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR136R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.760
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001603.06
RF3 Mile Point: 3.67
Distance from RF3: 1.39
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	22.1	22.1	22.1	22.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	100.4	100.4	100.4	100.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0049

NPS Station ID: COLO0049
LAT/LON: 37.202226/ -76.705003
Agency: 11NORCOR
Date Created: 06/09/79
Location: 26.75 CENTER
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR133
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.170
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 6.00
Distance from RF3: 0.66
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	27.6	27.6	27.6	27.6	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	47.9	47.9	47.9	47.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	202.2	202.2	202.2	202.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0050

NPS Station ID: COLO0050 LAT/LON: 37.202226/ -76.783338 Agency: 21VASWCB Date Created: / /
Location: BUOY 55 FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS042.15 /VA2-01-X0119/VA2-4X0119
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206021 RF1 Mile Point: 0.150 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206001604.98 RF3 Mile Point: 5.18 Distance from RF3: 0.85 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 01 TOPO MAP #: 0156 TOPO MAP NAME: SURRY, VA

Parameter Inventory for Station: COLO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/26/74-08/05/74	6	24.75	24.733	27.8	21.7	4.795	2.19	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/26/74-08/05/74	6	7.65	7.717	8.7	7.	0.47	0.685	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/26/74-05/26/74	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/26/74-08/05/74	6	7.5	7.517	7.6	7.5	0.002	0.041	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/26/74-08/05/74	6	7.5	7.515	7.6	7.5	0.002	0.041	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-08/05/74	6	0.032	0.031	0.032	0.025	0.	0.003	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/26/74-05/26/74	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/26/74-05/26/74	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/26/74-05/26/74	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/26/74-05/26/74	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/26/74-06/07/74	2	238.	238.	309.	167.	10082.	100.409	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/26/74-06/07/74	2	41.	41.	53.	29.	288.	16.971	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	05/26/74-06/07/74	2	201.5	201.5	289.	114.	15312.5	123.744	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/74-07/26/74	5	14.	16.2	30.	6.	96.2	9.808	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/26/74-07/26/74	5	4.	4.4	6.	3.	1.3	1.14	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/26/74-07/26/74	5	10.	11.8	26.	3.	90.2	9.497	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/74-07/26/74	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/26/74-07/26/74	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/26/74-07/26/74	5	0.9	0.86	1.	0.7	0.013	0.114	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/74-07/26/74	5	0.1	0.12	0.2	0.1	0.002	0.045	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/26/74-07/26/74	5	172.	366.6	1300.	24.	278519.8	527.75	**	**	**	**
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	05/26/74-07/02/74	2	330.	330.	430.	230.	20000.	141.421	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	05/26/74-07/02/74	2	2.498	2.498	2.633	2.362	0.037	0.192	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			314.484								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	06/27/74-06/27/74	1	230.	230.	230.	230.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	06/27/74-06/27/74	1	2.362	2.362	2.362	2.362	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			230.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-08/05/74	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/26/74-08/05/74	6 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			50.								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/26/74-07/26/74	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/26/74-07/26/74	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	6	0	0.00	3	0	0.00				3	0	0.00			
00400	PH	Other-Hi Lim.	9.	6	0	0.00	3	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00				3	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	2	0	0.00				3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	2	0	0.00				3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	1	0.20	2	1	0.50				3	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	0	0.00	3	0	0.00				3	0	0.00			

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

Station Inventory for Station: COLO0051

NPS Station ID: COLO0051
LAT/LON: 37.202226/ -76.783338
Agency: 21VASWCB
Date Created: 11/08/80
Location: JAMES RIVER, BUOY 55
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQD2170 /X342000 /Y4119000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206021
RF1 Mile Point: 0.150
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002100.54
RF3 Mile Point: 0.54
Distance from RF3: 0.16
On/Off RF3:
Description:
CHESAPEAKE BAY PROGRAM TISSUE AND SEDIMENT DATA ALL DATA FROM VIRGINIA FISH KILL 71-011 DES LAB SHEETS 4797-4803,5-20-71/VIMS DATA FROM CROONENBERGHS THESIS JULY 1972/

Parameter Inventory for Station: COLO0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	05/20/71-05/20/71	3	0.382	1.206	3.08	0.157	2.646	1.627	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	05/20/71-05/20/71	3	0.07	0.147	0.3	0.07	0.018	0.133	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/20/71-05/20/71	5	0.94	3.376	12.	0.62	23.853	4.884	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/20/71-07/15/72	7	5.66	901.199	6259.	2.6	5581776.904	2362.578	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	05/20/71-07/15/72	7	82.5	100.5	321.	14.7	11638.127	107.88	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	05/20/71-05/20/71	5	1.25	1.52	2.83	0.2	1.298	1.139	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	05/20/71-07/15/72	6	0.415	1.14	3.82	0.1	2.171	1.473	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	05/20/71-07/15/72	10	1.	1.6	4.	1.	1.6	1.265	1.	1.	1.75	4.

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

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

Station Inventory for Station: COLO0052

NPS Station ID: COLO0052
Location: VIMS STATION J36 - JAMES RIVER
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: NORTH ATLANTIC
Minor Basin: JAMES RIVER
RF1 Index: 02080206021
RF3 Index: 02080206001603.06
Description:

LAT/LON: 37.202504/ -76.785281
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.290
RF3 Mile Point: 3.78

Agency: CHESBAY
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): XQD2129
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.88

Date Created: 01/29/83
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0052

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

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

Station Inventory for Station: COLO0053

NPS Station ID: COLO0053
LAT/LON: 37.203337/ -76.700838
Agency: 11NORCOR
Date Created: 06/09/79
Location: 26.50 CENTER
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR132
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 6.880
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001603.06
RF3 Mile Point: 3.72
Distance from RF3: 0.46
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	25.3	25.3	25.3	25.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	37.5	37.5	37.5	37.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	177.1	177.1	177.1	177.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0054

NPS Station ID: COLO0054
LAT/LON: 37.203337/ -76.713059
Agency: 11NORCOR
Date Created: 06/09/79
Location: 27.25 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR135R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.470
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 6.00
Distance from RF3: 0.72
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	25.1	25.1	25.1	25.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	42.6	42.6	42.6	42.6	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	163.7	163.7	163.7	163.7	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	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 time series plot

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

Station Inventory for Station: COLO0055

NPS Station ID: COLO0055
LAT/LON: 37.205003/ -76.708338
Agency: 11NORCOR
Date Created: 06/09/79
Location: 27.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR134R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.170
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 6.00
Distance from RF3: 0.66
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	13.8	13.8	13.8	13.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	56.4	56.4	56.4	56.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0056

NPS Station ID: COLO0056
LAT/LON: 37.206392/ -76.705003
Agency: 11NORCOR
Date Created: 06/09/79
Location: 26.75 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR133R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.030
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 5.81
Distance from RF3: 0.63
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	25.4	25.4	25.4	25.4	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	229.8	229.8	229.8	229.8	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0057

NPS Station ID: COLO0057
LAT/LON: 37.207503/ -76.700838
Agency: 11NORCOR
Date Created: 06/09/79
Location: 26.50 RED
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR132R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 6.740
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001603.06
RF3 Mile Point: 3.59
Distance from RF3: 0.56
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	20.1	20.1	20.1	20.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	27.1	27.1	27.1	27.1	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	76.1	76.1	76.1	76.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0058

NPS Station ID: COLO0058
Location: 56F 11
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206174100.11
Description:

LAT/LON: 37.207781/ -76.778615
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 2.19

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371228076464301
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.40

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-12/12/77	2	15.5	15.5	20.	11.	40.5	6.364	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-12/12/77	2	5.	5.	10.	0.	50.	7.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-12/12/77	2	533.	533.	585.	481.	5408.	73.539	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/77-12/12/77	2	7.55	7.55	8.	7.1	0.405	0.636	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/77-12/12/77	2	7.35	7.35	8.	7.1	0.485	0.697	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/77-12/12/77	2	0.045	0.045	0.079	0.01	0.002	0.049	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/02/77-12/12/77	2	21.9	21.9	39.	4.8	584.82	24.183	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-12/12/77	2	250.	250.	250.	250.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-12/12/77	2	305.	305.	310.	300.	50.	7.071	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/02/77-12/12/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-12/12/77	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-12/12/77	2	0.135	0.135	0.14	0.13	0.	0.007	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-12/12/77	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-12/12/77	2	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-12/12/77	2	0.355	0.355	0.36	0.35	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-12/12/77	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-12/12/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-12/12/77	2	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-12/12/77	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-12/12/77	2	120.	120.	120.	120.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/02/77-12/12/77	2	23.5	23.5	24.	23.	0.5	0.707	**	**	**	**
00932	SODIUM, PERCENT	08/02/77-12/12/77	2	95.5	95.5	96.	95.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-12/12/77	2	5.65	5.65	5.7	5.6	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-12/12/77	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-12/12/77	2	7.	7.	8.	6.	2.	1.414	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-12/12/77	2	2.6	2.6	2.7	2.5	0.02	0.141	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-12/12/77	2	24.5	24.5	25.	24.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-12/12/77	2	40.	40.	50.	30.	200.	14.142	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-12/12/77	2	316.5	316.5	320.	313.	24.5	4.95	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-12/12/77	2	317.	317.	319.	315.	8.	2.828	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-12/12/77	2	0.435	0.435	0.44	0.43	0.	0.007	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-12/12/77	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-12/12/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-12/12/77	2	267.	267.	267.	267.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0058

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: COLO0059

NPS Station ID: COLO0059
LAT/LON: 37.208338/ -76.708338
Agency: 21VASWCB
Date Created: 05/09/81
Location: JAMES RIVER OFF HOG ISLAND
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XCD2373 /X348700 /Y4119450
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 7.030
Distance from RF1: 8.40
On/Off RF1: OFF
RF3 Index: 02080206001603.06
RF3 Mile Point: 3.39
Distance from RF3: 0.94
On/Off RF3:
Description:
VIMS DATA FROM CROONENBERGHS THESIS JULY 1972/

Parameter Inventory for Station: COLO0059

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

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

Station Inventory for Station: COLO0060

NPS Station ID: COLO0060 LAT/LON: 37.208615/ -76.470003 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05212E
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 4.580 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 0.05 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	48	41.	126.813	1500.	1.5	76392.262	276.392	1.95	9.	93.	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	48	1.612	1.493	3.176	0.176	0.579	0.761	0.289	0.954	1.968	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			31.102								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	07/20/81-12/07/82	16	33.	60.869	240.	1.5	6373.914	79.837	2.97	9.1	80.5	240.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	07/20/81-12/07/82	16	1.498	1.396	2.38	0.176	0.433	0.658	0.442	0.959	1.885	2.38
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			24.866								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	64	0.	0.086	1.34	0.	0.073	0.271	0.	0.	0.	0.33
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	64	0.585	0.778	2.84	0.	0.554	0.744	0.	0.07	1.318	1.85

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: COLO0060

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	48	8	0.17	17	4	0.24	19	1	0.05	12	3	0.25			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	17	43.	229.176	1500.	4.	179657.779	423.861	8.	33.	166.5	1180.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	17	1.633	1.838	3.176	0.602	0.455	0.674	0.884	1.498	2.174	3.068
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			68.87								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	24	0.	0.089	1.21	0.	0.072	0.268	0.	0.	0.008	0.4
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	24	0.875	0.935	2.84	0.	0.744	0.862	0.	0.075	1.59	2.245

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	19	23.	35.263	240.	1.5	3089.51	55.583	1.5	4.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	19	1.362	1.152	2.38	0.176	0.406	0.637	0.176	0.602	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.204								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	24	0.	0.1	1.34	0.	0.092	0.304	0.	0.	0.	0.52
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	24	0.635	0.741	2.1	0.	0.421	0.649	0.	0.175	1.318	1.735

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	12	41.	126.75	460.	1.5	29356.705	171.338	1.5	9.	217.5	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-07/18/79	12	1.612	1.543	2.663	0.176	0.761	0.872	0.176	0.954	2.329	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			34.885								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	16	0.	0.059	0.95	0.	0.056	0.238	0.	0.	0.	0.285
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	16	0.41	0.597	2.24	0.	0.464	0.681	0.	0.	0.92	1.785

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

Station Inventory for Station: COLO0061

NPS Station ID: COLO0061
LAT/LON: 37.208892/ -76.696948
Agency: 11NORCOR
Date Created: 06/09/79
Location: 26.25 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR131R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 6.390
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 5.82
Distance from RF3: 0.67
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0061

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

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

Station Inventory for Station: COLO0062

NPS Station ID: COLO0062
Location: 56F 12
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206001610.54
Description:

LAT/LON: 37.209171/ -76.777781
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 11.26

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371233076464001
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 3.10
Distance from RF3: 0.36

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/71-07/20/71	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/20/71-07/20/71	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/71-08/02/77	2	616.	616.	650.	582.	2312.	48.083	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/71-07/20/71	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/71-07/20/71	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/71-07/20/71	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/20/71-07/20/71	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/71-07/20/71	1	275.	275.	275.	275.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/20/71-07/20/71	1	335.	335.	335.	335.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/20/71-07/20/71	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/20/71-07/20/71	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/71-07/20/71	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/20/71-07/20/71	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/71-07/20/71	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/71-07/20/71	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/71-07/20/71	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/20/71-07/20/71	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/20/71-07/20/71	1	96.	96.	96.	96.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/71-07/20/71	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/71-07/20/71	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/71-07/20/71	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/20/71-07/20/71	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/20/71-07/20/71	1	25.	25.	25.	25.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/71-07/20/71	1	402.	402.	402.	402.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/20/71-07/20/71	1	396.	396.	396.	396.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/20/71-07/20/71	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	07/20/71-07/20/71	1	130.	130.	130.	130.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	07/20/71-07/20/71	1	345.	345.	345.	345.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	07/20/71-08/02/77	2	331.	331.	331.	331.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	07/20/71-08/02/77	2	340.	340.	340.	340.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: COLO0063

NPS Station ID: COLO0063
LAT/LON: 37.209726/ -76.693615
Agency: 11NORCOR
Date Created: 06/09/79
Location: 26.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR130R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 6.390
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 5.82
Distance from RF3: 0.71
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	24.7	24.7	24.7	24.7	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	39.9	39.9	39.9	39.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	239.8	239.8	239.8	239.8	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0064

NPS Station ID: COLO0064
LAT/LON: 37.210004/ -76.793337
Agency: CHESBAY
Date Created: 08/24/84
Location: SWANN'S POINT JRWQMP STA.19 VIMS SLACK WATER STA
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): RET5.2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206024
RF1 Mile Point: 0.150
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206003405.58
RF3 Mile Point: 6.09
Distance from RF3: 0.10
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0064

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

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

Station Inventory for Station: COLO0065

NPS Station ID: COLO0065 LAT/LON: 37.210115/ -76.793392 Agency: 21VASWCB Date Created: / /
Location: SWANN POINT FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS042.92 /VA2-01-X0120/VA2-4X0120 /RET5.2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206024 RF1 Mile Point: 0.150 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206081000.00 RF3 Mile Point: 1.62 Distance from RF3: 0.66 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 835108 BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 01 TOPO MAP #: 0156 TOPO MAP NAME: SURRY, VA

Parameter Inventory for Station: COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	529	19.9	18.618	32.	1.	57.355	7.573	8.	11.7	25.5	28.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/11/71-01/14/91	4	21.5	20.75	25.	15.	21.583	4.646	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/20/88-04/13/89	3	40.	31.333	40.	14.	225.333	15.011	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	133	0.45	0.484	1.4	0.075	0.049	0.221	0.25	0.3	0.6	0.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	494	1800.	3614.547	14890.	80.	15084846.97	3883.922	162.	274.	6520.	9440.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/20/88-05/16/91	30	279.	1672.3	9370.	121.	6075835.045	2464.921	151.1	174.5	2533.75	6456.7
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	486	1.	2.122	11.	0.	6.239	2.498	0.	0.	4.	6.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	491	8.3	8.603	13.8	5.8	3.219	1.794	6.5	7.	10.2	11.1
00300p	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	118	7.9	8.364	13.	5.5	3.264	1.807	6.3	7.	9.825	11.2
00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-06/12/72	6	1.75	2.567	7.7	0.5	7.375	2.716	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/28/90-06/14/90	3	11.	10.	12.	7.	7.	2.646	**	**	**	**
00400p	PH (STANDARD UNITS)	07/22/68-12/15/92	157	7.7	7.717	9.	6.18	0.2	0.447	7.148	7.475	7.925	8.244
00400p	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	157	7.7	7.464	9.	6.18	0.264	0.514	7.148	7.475	7.925	8.244
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	157	0.02	0.034	0.661	0.001	0.004	0.063	0.006	0.012	0.033	0.071
00403	PH, LAB, STANDARD UNITS SU	03/20/69-04/10/90	8	7.2	7.137	7.6	6.6	0.091	0.302	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/20/69-04/10/90	8	7.2	7.041	7.6	6.6	0.102	0.319	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/69-04/10/90	8	0.063	0.091	0.251	0.025	0.005	0.072	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/69-04/10/90	11	34.	36.273	51.	28.	50.218	7.086	28.2	32.	39.	50.2
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/28/83-09/27/83	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	09/27/72-10/12/72	2	1.	1.	2.	0.	2.	1.414	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/20/69-05/05/70	5	217.	371.	1001.	134.	130252.5	360.905	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/20/69-11/12/85	6	58.5	68.833	169.	17.	2781.367	52.739	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/20/69-05/05/70	5	268.	659.6	2000.	96.	652076.8	807.513	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/28/83-09/27/83	3	5159.	4792.	6561.	2656.	3913273.	1978.199	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	82	26.	33.945	528.	2.5	3283.469	57.302	11.	18.5	36.25	48.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	81	6.	6.623	25.	1.	19.06	4.366	2.1	4.	8.	11.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	78	19.	27.551	472.	1.	2813.393	53.041	5.9	12.	31.	42.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	131	0.05	0.098	0.7	0.02	0.019	0.138	0.02	0.025	0.1	0.288
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-10/12/83	34	0.05	0.14	0.9	0.01	0.04	0.2	0.03	0.05	0.153	0.37
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	130 ##	0.005	0.018	0.55	0.005	0.002	0.049	0.005	0.005	0.02	0.039
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	32	0.01	0.019	0.1	0.	0.001	0.023	0.005	0.005	0.028	0.04
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	127	0.33	0.326	1.17	0.005	0.051	0.226	0.04	0.12	0.49	0.6
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	32	0.645	0.615	1.779	0.	0.153	0.391	0.063	0.368	0.785	1.099

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

Parameter Inventory for Station: COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/28/83-09/27/83	3	0.7	0.6	0.8	0.3	0.07	0.265	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	163	0.64	0.678	3.3	0.1	0.114	0.338	0.3	0.5	0.8	1.06
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/28/83-09/27/83	3	0.	0.067	0.2	0.	0.013	0.115	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-10/02/69	3	0.09	0.127	0.23	0.06	0.008	0.091	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	135	0.09	0.102	0.4	0.03	0.003	0.05	0.05	0.07	0.12	0.16
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	131	0.03	0.031	0.09	0.01	0.	0.014	0.02	0.02	0.04	0.05
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	07/28/83-10/12/83	7 ##	0.05	0.093	0.3	0.05	0.009	0.093	**	**	**	**
00669	PHOSPHORUS, TOTAL HYDROLYZABLE (MG/L AS P)	08/31/71-08/31/71	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	134	0.02	0.022	0.06	0.	0.	0.012	0.01	0.01	0.03	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	130	5.	5.128	10.	1.	2.694	1.641	3.3	3.9	6.025	7.
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-09/04/73	10	31.5	118.9	397.	11.	22592.989	150.31	11.1	18.	264.5	392.3
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/13/89-12/15/92	50	4.25	3.966	8.5	0.2	7.664	2.768	0.5	1.175	6.5	7.68
01002	ARSENIC, TOTAL (UG/L AS AS)	06/14/71-06/14/71	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/17/72-08/17/72	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/21/70-08/17/72	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/21/70-08/17/72	3	20.	21.667	40.	5.	308.333	17.559	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/14/71-08/17/72	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/21/70-04/21/70	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/21/70-08/17/72	3	10.	15.	30.	5.	175.	13.229	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/10/89	78	2900.	3891.179	13520.	5.	9783314.357	3127.829	700.	1175.	6100.	8610.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	08/10/73-08/10/73	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	08/10/73-08/10/73	1 ##	1.176	1.176	1.176	1.176	0.	0.	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			15.								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-07/11/73	15	91.	1018.8	9300.	30.	5875386.457	2423.92	30.	36.	430.	5160.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/68-07/11/73	15	1.959	2.208	3.968	1.477	0.619	0.787	1.477	1.556	2.633	3.616
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			161.415								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-07/08/86	30	130.	560.933	4300.	4.	970301.375	985.039	9.6	15.	430.	2280.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/28/83-07/08/86	30	2.109	2.11	3.633	0.602	0.703	0.838	0.976	1.176	2.633	3.358
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			128.683								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/28/83-07/08/86	21	40.	183.214	2300.	1.5	249658.364	499.658	3.	12.	91.5	422.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/28/83-07/08/86	21	1.602	1.509	3.362	0.176	0.647	0.804	0.477	1.065	1.961	2.625
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			32.322								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	44 ##	50.	90.273	1000.	3.	25349.319	159.215	15.	50.	50.	215.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	44 ##	1.699	1.711	3.	0.477	0.178	0.422	1.176	1.699	1.699	2.331
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			51.364								
32209	CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	07/28/83-10/12/83	4	6.5	6.55	8.7	4.5	4.87	2.207	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/28/83-10/12/83	4	3.5	3.65	5.3	2.3	1.957	1.399	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	05/11/71-05/11/71	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/28/83-09/27/83	3	0.1	0.1	0.2	0.	0.01	0.1	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/21/70-09/04/73	24 ##	0.05	0.066	0.2	0.025	0.001	0.038	0.025	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/21/70-09/04/73	26	0.04	0.047	0.2	0.01	0.001	0.039	0.01	0.02	0.06	0.079
71900	MERCURY, TOTAL (UG/L AS HG)	06/14/71-08/17/72	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: COLO0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-2/28 Obs	10/16-2/28 Exceed	10/16-2/28 Prop.	3/01-6/30 Obs	3/01-6/30 Exceed	3/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00				1	0	0.00	2	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	491	0	0.00	166	0	0.00	130	0	0.00	195	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	118	0	0.00	51	0	0.00	23	0	0.00	44	0	0.00			
00400	PH	Other-Hi Lim.	9.	157	1	0.01	68	1	0.01	33	0	0.00	56	0	0.00			
		Other-Lo Lim.	6.5	157	1	0.01	68	0	0.00	33	1	0.03	56	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	1	0	0.00				7	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	1	0	0.00				7	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	130	0	0.00	49	0	0.00	33	0	0.00	48	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	32	0	0.00	22	0	0.00	1	0	0.00	9	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	127	0	0.00	46	0	0.00	33	0	0.00	48	0	0.00			

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

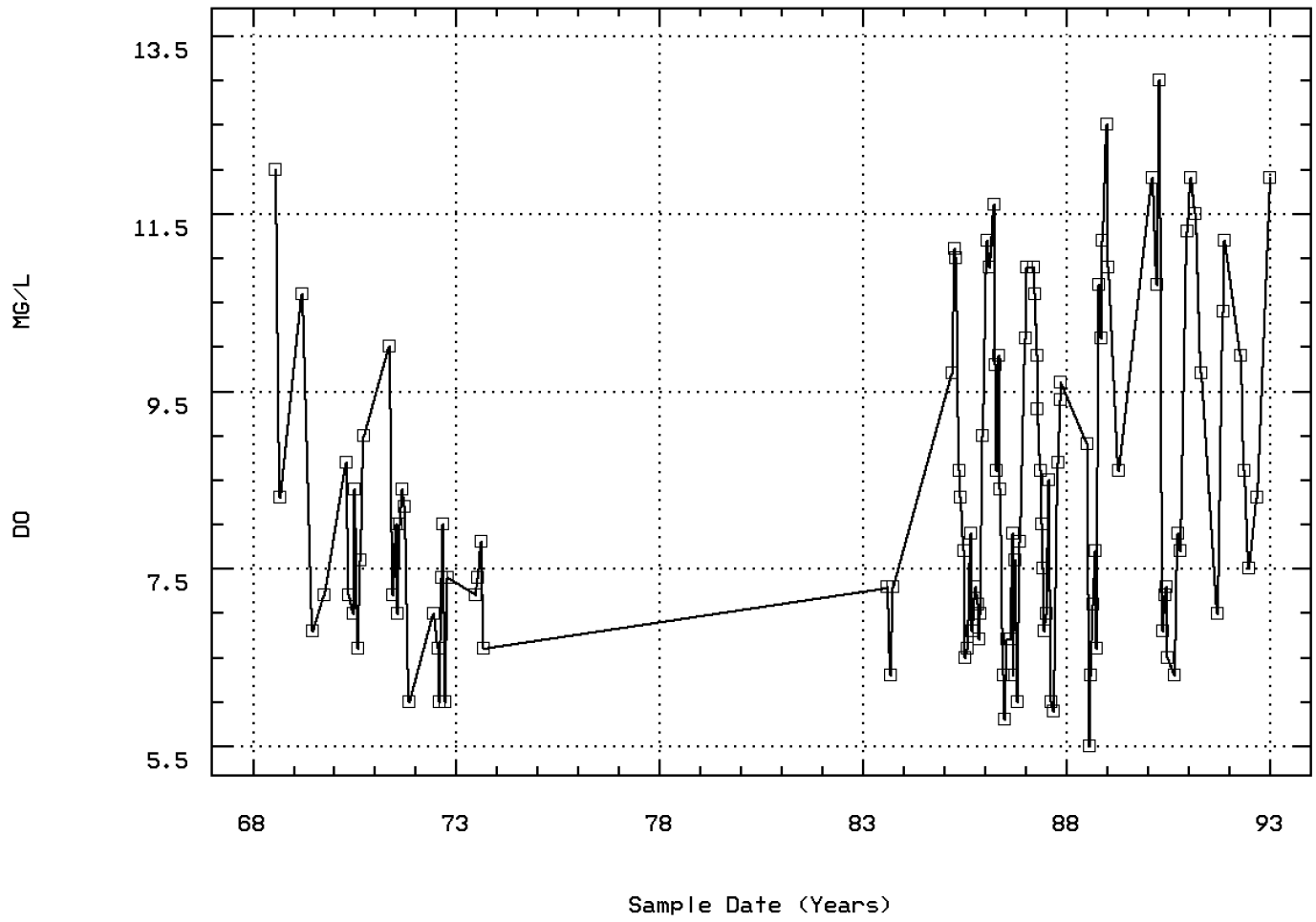
EPA Water Quality Criteria Analysis for Station: COLO0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	32	0	0.00	22	0	0.00	1	0	0.00	9	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	8	0	0.00				2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	2	0.67	1	0	0.00				2	2	1.00			
		Drinking Water	1300.	3	0	0.00	1	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	15	3	0.20	8	2	0.25				7	1	0.14			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	30	5	0.17	11	1	0.09	7	4	0.57	12	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	21	4	0.19	5	0	0.00	5	4	0.80	11	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	44	5	0.11	27	1	0.04	7	3	0.43	10	1	0.10			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	2	0.67	3	2	0.67									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			

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

Station: COLO0065 Parameter Code: 00300

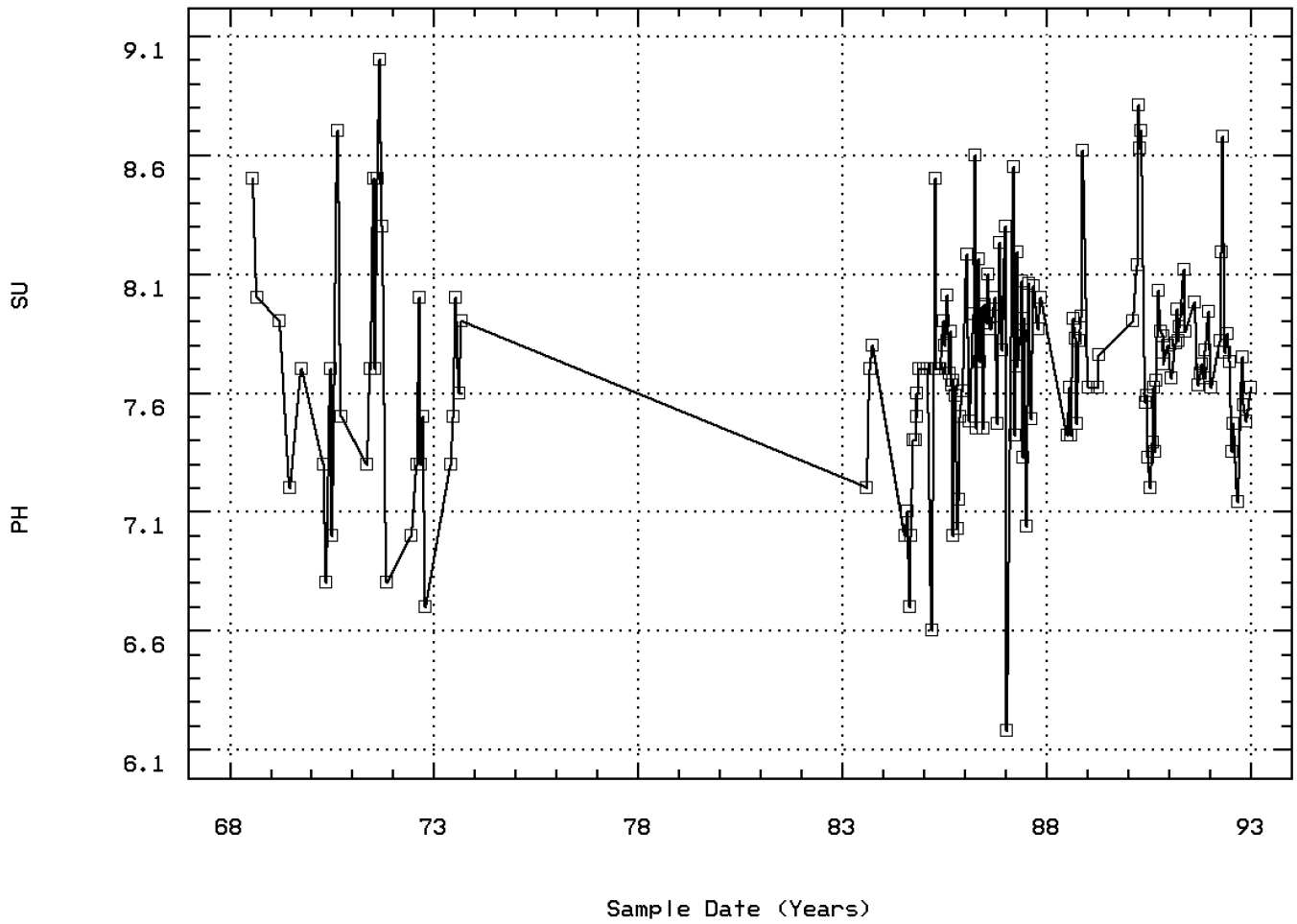
OXYGEN, DISSOLVED



SWANN POINT

Station: COLO0065 Parameter Code: 00400

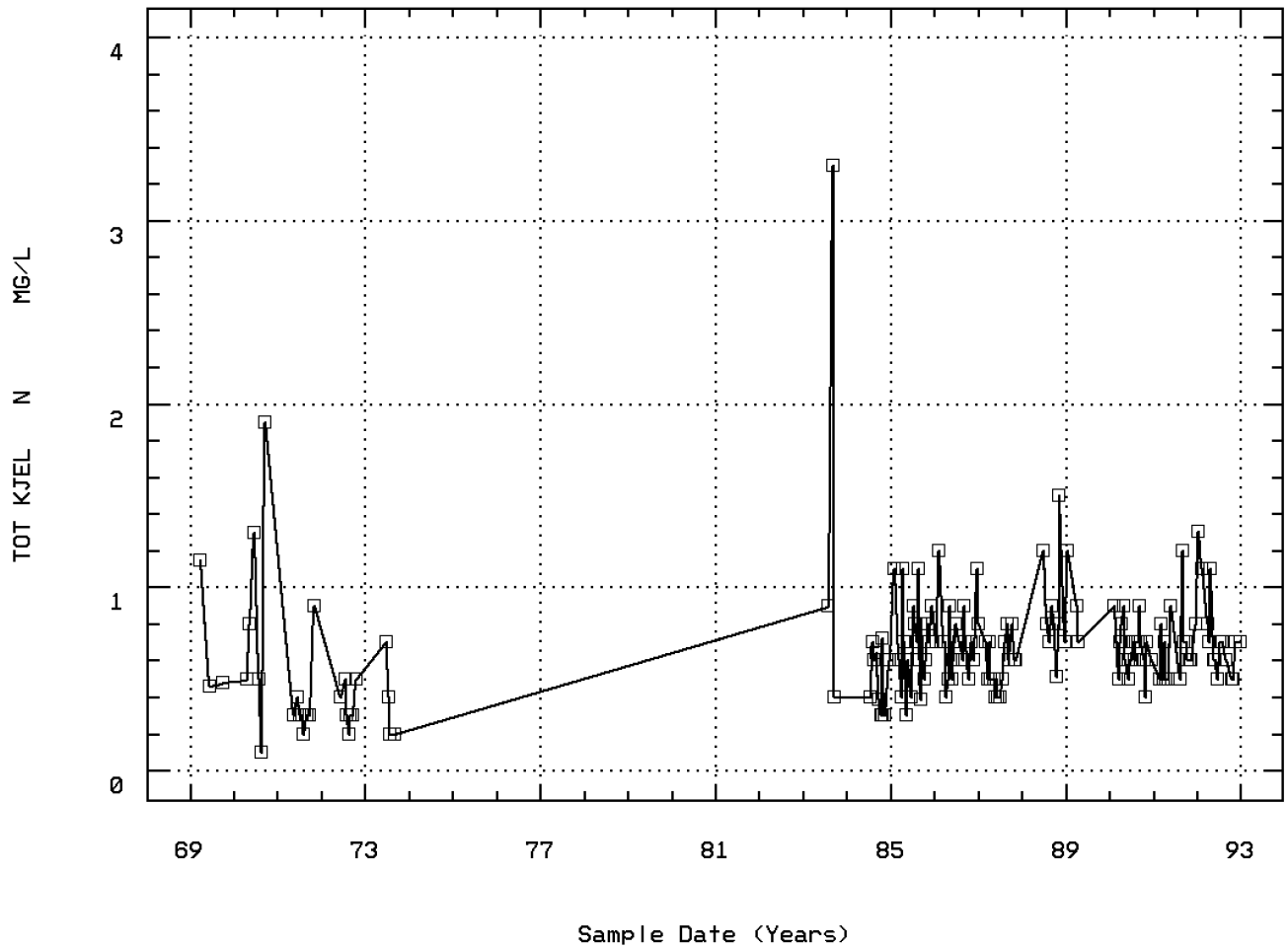
PH (STANDARD UNITS)



SWANN POINT

Station: COLO0065 Parameter Code: 00625

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



SWANN POINT

Annual Analysis for 1968 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	2	27.5	27.5	29.4	25.6	7.22	2.687	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	2	10.15	10.15	12.	8.3	6.845	2.616	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	2	8.25	8.25	8.5	8.	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	2	8.182	8.182	8.5	8.	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	2	0.007	0.007	0.01	0.003	0.	0.005	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	3	21.1	18.333	25.	8.9	70.543	8.399	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	3	7.2	8.2	10.6	6.8	4.36	2.088	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	3	7.7	7.6	7.9	7.2	0.13	0.361	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	3	7.7	7.496	7.9	7.2	0.146	0.382	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	3	0.02	0.032	0.063	0.013	0.001	0.027	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	3	22.	28.333	42.	21.	140.333	11.846	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	3	7.	9.667	16.	6.	30.333	5.508	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	3	14.	18.667	36.	6.	241.333	15.535	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	3	0.48	0.696	1.149	0.46	0.154	0.392	**	**	**	**

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Annual Analysis for 1970 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	6	25.85	23.333	27.2	16.1	23.347	4.832	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	7	7.6	7.786	9.	6.6	0.848	0.921	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	6	7.4	7.5	8.7	6.8	0.452	0.672	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	6	7.389	7.219	8.7	6.8	0.547	0.739	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	6	0.041	0.06	0.158	0.002	0.003	0.059	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	2	20.5	20.5	22.	19.	4.5	2.121	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	2	14.	14.	14.	14.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	7	0.8	0.871	1.899	0.1	0.355	0.596	**	**	**	**

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Annual Analysis for 1971 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	8	25.85	24.663	28.9	20.	10.671	3.267	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	8	8.	7.85	10.	6.	1.38	1.175	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	8	8.	7.975	9.	6.8	0.528	0.727	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	8	7.904	7.487	9.	6.8	0.8	0.895	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	8	0.012	0.033	0.158	0.001	0.003	0.053	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	8	0.3	0.375	0.9	0.2	0.048	0.219	**	**	**	**

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Annual Analysis for 1972 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	7	26.1	24.986	29.4	16.7	17.565	4.191	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	7	7.	6.914	8.	6.	0.571	0.756	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	6	7.3	7.3	8.	6.7	0.196	0.443	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	6	7.3	7.133	8.	6.7	0.229	0.479	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	6	0.05	0.074	0.2	0.01	0.005	0.069	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	6	15.5	19.833	37.	9.	146.967	12.123	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	6	6.5	6.	9.	1.	8.8	2.966	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	6	11.	13.833	32.	1.	134.967	11.618	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	7	0.3	0.357	0.5	0.2	0.013	0.113	**	**	**	**

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Annual Analysis for 1973 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	5	28.9	28.8	31.1	25.6	4.945	2.224	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	4	7.3	7.25	7.8	6.6	0.25	0.5	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	5	7.6	7.66	8.	7.3	0.083	0.288	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	5	7.6	7.587	8.	7.3	0.09	0.299	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	5	0.025	0.026	0.05	0.01	0.	0.016	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	3	10.	10.	14.	6.	16.	4.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	3	4.	4.333	6.	3.	2.333	1.528	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	3	7.	5.667	8.	2.	10.333	3.215	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	4	0.3	0.375	0.7	0.2	0.056	0.236	**	**	**	**

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Annual Analysis for 1983 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	3	26.	25.	28.	21.	13.	3.606	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	7 ##	0.12	0.116	0.135	0.075	0.001	0.022	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	3	9000.	8500.	11000.	5500.	7750000.	2783.882	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	3	7.3	6.967	7.3	6.3	0.333	0.577	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	3	7.7	7.567	7.8	7.2	0.103	0.321	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	3	7.7	7.482	7.8	7.2	0.114	0.338	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	3	0.02	0.033	0.063	0.016	0.001	0.026	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	4	13.	15.125	32.	2.5	153.729	12.399	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	4	4.	4.875	9.	2.5	8.729	2.955	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	3	0.9	1.533	3.3	0.4	2.403	1.55	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	6 ##	0.05	0.117	0.4	0.05	0.02	0.14	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	3	7.	6.333	7.	5.	1.333	1.155	**	**	**	**

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Annual Analysis for 1984 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	30	22.	20.4	30.	8.5	52.61	7.253	8.5	11.5	25.	30.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	8	0.65	0.669	1.1	0.4	0.054	0.231	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	26	1800.	2373.269	6000.	180.	3433449.885	1852.957	208.	743.75	3237.5	6000.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	22	1.	1.818	4.	0.	1.918	1.385	0.5	0.875	3.	4.

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Annual Analysis for 1984 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	30	7.8	8.167	10.5	6.5	2.263	1.504	6.5	6.8	10.3	10.49
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	10	7.4	7.31	7.7	6.7	0.117	0.341	6.73	7.	7.625	7.7
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	10	7.4	7.184	7.7	6.7	0.134	0.366	6.73	7.	7.625	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	10	0.04	0.066	0.2	0.02	0.003	0.057	0.02	0.024	0.1	0.19
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	10 ##	0.028	0.071	0.37	0.02	0.011	0.107	0.021	0.025	0.06	0.342
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	9 ##	0.005	0.008	0.03	0.005	0.	0.008	0.005	0.005	0.008	0.03
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	7	0.55	0.589	0.86	0.34	0.033	0.181	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	10	0.5	0.495	0.72	0.3	0.03	0.173	0.3	0.3	0.655	0.718
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	9	0.08	0.09	0.16	0.04	0.001	0.037	0.04	0.06	0.115	0.16
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	10	0.045	0.05	0.09	0.03	0.	0.022	0.03	0.03	0.065	0.089
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	10	0.03	0.03	0.05	0.01	0.	0.013	0.011	0.02	0.043	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	10	5.	4.8	9.	1.	6.622	2.573	1.1	2.75	7.	8.8
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/10/89	8	4740.	4860.	9600.	1200.	7805371.429	2793.809	**	**	**	**

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Annual Analysis for 1985 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	72	20.	18.089	26.5	1.	42.758	6.539	10.	12.	23.	26.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	20	0.55	0.533	0.9	0.1	0.032	0.18	0.3	0.413	0.638	0.745
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	72	1775.	2506.458	9000.	95.	6249328.477	2499.866	130.	380.	4125.	6470.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	71	2.	1.924	6.	0.	3.15	1.775	0.	0.5	3.	5.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	72	8.	8.572	13.8	6.3	3.135	1.771	6.93	7.3	9.6	11.2
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	15	7.7	8.087	11.1	6.5	2.327	1.525	6.56	6.8	9.	11.04
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	20	7.69	7.6	8.5	6.6	0.165	0.406	7.003	7.523	7.775	7.999
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	20	7.69	7.388	8.5	6.6	0.213	0.461	7.003	7.522	7.775	7.999
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	20	0.02	0.041	0.251	0.003	0.003	0.056	0.01	0.017	0.03	0.099
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	1	528.	528.	528.	528.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	1	472.	472.	472.	472.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	20	0.05	0.079	0.36	0.025	0.008	0.09	0.025	0.025	0.088	0.2
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	20	0.01	0.041	0.55	0.005	0.015	0.121	0.005	0.005	0.02	0.057
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	19	0.32	0.312	0.68	0.005	0.032	0.178	0.025	0.2	0.42	0.58
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	20	0.7	0.7	1.1	0.3	0.058	0.241	0.391	0.525	0.875	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	19	0.08	0.092	0.27	0.03	0.002	0.05	0.06	0.06	0.1	0.14
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	20	0.03	0.031	0.05	0.01	0.	0.012	0.011	0.02	0.04	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	20	0.02	0.023	0.05	0.005	0.	0.014	0.01	0.01	0.028	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	20	7.	6.35	10.	3.	3.292	1.814	4.	5.	7.75	8.9
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/10/89	19	4800.	5017.474	13520.	5.	14895815.152	3859.51	7.	1700.	6800.	10500.

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Annual Analysis for 1986 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	78	20.5	18.359	32.	2.5	77.367	8.796	4.	11.	25.6	29.56
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	19	0.5	0.574	1.4	0.3	0.069	0.262	0.4	0.4	0.7	0.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	78	2850.	4600.769	11500.	110.	14775709.141	3843.918	170.	1200.	9000.	10000.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	78	2.5	3.523	11.	0.	10.598	3.255	0.	1.	6.	9.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	74	8.2	8.614	12.2	6.1	3.315	1.821	6.5	7.	10.	11.6
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	18	7.85	8.239	11.6	5.8	3.663	1.914	5.98	6.6	9.95	11.24
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	20	7.925	7.919	8.6	7.45	0.093	0.305	7.452	7.743	8.145	8.293
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	20	7.925	7.821	8.6	7.45	0.103	0.321	7.452	7.743	8.145	8.293
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	20	0.012	0.015	0.035	0.003	0.	0.011	0.005	0.007	0.018	0.035
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	21	0.05	0.13	0.7	0.025	0.032	0.18	0.025	0.025	0.15	0.46

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Annual Analysis for 1986 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	21 ##	0.005	0.016	0.07	0.005	0.	0.019	0.005	0.005	0.025	0.048
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	21	0.34	0.37	1.17	0.025	0.064	0.254	0.088	0.17	0.5	0.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	21	0.7	0.738	1.2	0.4	0.044	0.211	0.5	0.6	0.9	1.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	21	0.06	0.078	0.22	0.04	0.002	0.042	0.042	0.05	0.09	0.136
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	21	0.03	0.03	0.07	0.01	0.	0.013	0.012	0.02	0.035	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	21	0.02	0.019	0.06	0.005	0.	0.014	0.005	0.01	0.025	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	21	6.	6.333	9.	5.	0.833	0.913	5.	6.	7.	7.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/10/89	21	2100.	3238.095	10000.	600.	8045476.19	2836.455	800.	1150.	4600.	9280.

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

Annual Analysis for 1987 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	67	17.5	18.433	31.	4.5	65.242	8.077	7.4	11.7	25.6	29.02
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	16	0.5	0.5	0.8	0.3	0.023	0.151	0.3	0.4	0.6	0.73
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	67	350.	2417.209	11000.	80.	12417240.562	3523.811	89.6	130.	3800.	9600.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	67	0.2	1.385	7.	0.	4.446	2.109	0.	0.	3.	5.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	67	8.4	8.733	12.	6.1	3.842	1.96	6.38	6.8	10.7	11.5
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	16	8.65	8.6	10.9	5.9	2.656	1.63	5.97	7.125	9.825	10.9
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	15	7.87	7.714	8.55	6.18	0.324	0.569	6.696	7.42	8.06	8.334
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	15	7.87	7.187	8.55	6.18	0.621	0.788	6.696	7.42	8.06	8.334
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	15	0.013	0.065	0.661	0.003	0.028	0.166	0.005	0.009	0.038	0.319
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	16 ##	0.038	0.125	0.46	0.025	0.026	0.161	0.025	0.025	0.193	0.446
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	17 ##	0.005	0.015	0.08	0.005	0.	0.021	0.005	0.005	0.01	0.056
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	17	0.33	0.318	0.51	0.025	0.026	0.162	0.025	0.205	0.465	0.502
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	17	0.6	0.588	0.8	0.4	0.02	0.141	0.4	0.5	0.7	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	17	0.1	0.099	0.19	0.04	0.002	0.039	0.064	0.075	0.105	0.19
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	17	0.03	0.034	0.05	0.02	0.	0.009	0.02	0.03	0.04	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	17	0.02	0.023	0.04	0.01	0.	0.011	0.01	0.015	0.035	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	13	5.	5.154	6.	4.	0.474	0.689	4.	5.	6.	6.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/10/89	17	4600.	4252.941	8500.	800.	7240147.059	2690.752	880.	1450.	6500.	8420.

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

Annual Analysis for 1988 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	33	23.9	22.682	29.8	12.2	38.618	6.214	12.82	17.1	28.8	29.66
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	9	0.5	0.611	0.9	0.35	0.047	0.216	0.35	0.425	0.85	0.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	33	10660.	9353.03	14330.	1150.	15665715.53	3957.994	1976.	6975.	13010.	13874.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	33	6.	5.112	8.	0.7	5.065	2.251	1.	4.	7.	8.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	33	7.5	7.709	11.3	5.8	2.506	1.583	5.9	6.4	8.8	10.4
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	10	8.3	8.66	12.5	5.5	5.627	2.372	5.58	6.525	10.825	12.37
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	9	7.82	7.781	8.62	7.42	0.141	0.375	7.42	7.445	7.915	8.62
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	9	7.82	7.674	8.62	7.42	0.154	0.392	7.42	7.445	7.915	8.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	9	0.015	0.021	0.038	0.002	0.	0.013	0.002	0.012	0.036	0.038
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	10	22.	22.1	33.	6.	80.767	8.987	6.8	14.	30.5	32.9
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	10	6.5	6.6	14.	1.	17.6	4.195	1.1	2.75	9.75	13.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	10	16.	15.5	26.	1.	62.944	7.934	1.6	10.	22.	25.9
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	11 ##	0.02	0.038	0.08	0.02	0.001	0.023	0.02	0.02	0.06	0.078
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	10	0.015	0.019	0.05	0.005	0.	0.015	0.005	0.009	0.025	0.049
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	10	0.12	0.206	0.73	0.02	0.045	0.212	0.024	0.06	0.283	0.692
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	10	0.8	0.891	1.5	0.51	0.08	0.283	0.529	0.7	1.05	1.47
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	10	0.085	0.093	0.16	0.06	0.001	0.031	0.06	0.068	0.113	0.156

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Annual Analysis for 1988 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	11	0.03	0.025	0.04	0.01	0.	0.009	0.01	0.02	0.03	0.038
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	10	0.02	0.018	0.03	0.005	0.	0.007	0.006	0.01	0.02	0.029
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	10	4.15	4.1	4.6	3.2	0.171	0.414	3.27	3.9	4.45	4.6
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/10/89	10	850.	990.	1900.	300.	281000.	530.094	320.	650.	1550.	1880.

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Annual Analysis for 1989 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	15	12.5	11.113	12.6	5.9	7.301	2.702	5.9	12.2	12.5	12.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	4	0.25	0.25	0.3	0.2	0.002	0.041	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	15	189.	1648.4	7970.	170.	9230788.971	3038.221	170.	180.	190.	7802.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	15	0.	0.733	4.	0.	2.352	1.534	0.	0.	0.	4.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	15	9.2	9.653	11.1	9.2	0.531	0.729	9.2	9.2	9.6	11.04
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	3	8.6	9.367	10.9	8.6	1.763	1.328	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	4	7.69	7.69	7.76	7.62	0.007	0.081	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	4	7.684	7.684	7.76	7.62	0.007	0.081	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	4	0.021	0.021	0.024	0.017	0.	0.004	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	4	31.5	30.	38.	19.	91.333	9.557	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	4	7.	10.	25.	1.	108.	10.392	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	4	24.5	20.25	31.	1.	202.25	14.221	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	4	0.365	0.378	0.55	0.23	0.029	0.172	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	4	0.015	0.014	0.02	0.005	0.	0.008	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	4	0.495	0.57	0.83	0.46	0.031	0.176	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	4	0.8	0.875	1.2	0.7	0.056	0.236	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	4	0.14	0.13	0.14	0.1	0.	0.02	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	4	0.045	0.043	0.05	0.03	0.	0.01	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	4	0.04	0.038	0.04	0.03	0.	0.005	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	4	4.3	4.225	4.5	3.8	0.116	0.34	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/31/84-04/10/89	3	7100.	6366.667	7600.	4400.	2963333.333	1721.434	**	**	**	**

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Annual Analysis for 1990 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	76	20.45	19.634	29.2	8.4	45.118	6.717	9.67	12.9	26.725	28.1
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	19	0.4	0.413	0.7	0.3	0.019	0.137	0.3	0.3	0.5	0.65
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	76	1146.5	2617.632	9200.	151.	8968407.756	2994.73	161.	187.25	4290.	8128.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	76	0.1	1.167	5.	0.	2.652	1.629	0.	0.	2.	4.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	76	7.6	8.266	11.4	5.8	3.813	1.953	5.87	6.7	10.375	11.23
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	11	7.7	8.782	13.	6.3	5.948	2.439	6.34	6.8	11.3	12.78
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	18	7.76	7.84	8.81	7.2	0.223	0.472	7.317	7.518	8.057	8.711
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	18	7.758	7.661	8.81	7.2	0.257	0.507	7.317	7.517	8.057	8.711
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	18	0.017	0.022	0.063	0.002	0.	0.017	0.002	0.009	0.031	0.048
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	19	28.	30.263	75.	12.	222.76	14.925	17.	20.	37.	55.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	19	7.	7.	15.	1.	12.778	3.575	2.	5.	9.	14.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	19	19.	23.263	73.	5.	241.316	15.534	12.	15.	28.	48.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	19 ##	0.02	0.062	0.4	0.02	0.008	0.088	0.02	0.02	0.07	0.13
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	19 ##	0.005	0.013	0.06	0.005	0.	0.016	0.005	0.005	0.01	0.05
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	19	0.26	0.263	0.81	0.02	0.057	0.238	0.02	0.05	0.5	0.54
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	19	0.7	0.668	0.9	0.4	0.019	0.138	0.5	0.6	0.7	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	19	0.1	0.113	0.2	0.05	0.002	0.041	0.07	0.09	0.14	0.18
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	18	0.03	0.029	0.09	0.01	0.	0.019	0.01	0.018	0.03	0.054

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Annual Analysis for 1990 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	19	0.02	0.022	0.03	0.005	0.	0.007	0.01	0.02	0.03	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	19	3.8	3.742	4.8	2.5	0.371	0.609	2.6	3.4	4.2	4.6

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

Annual Analysis for 1991 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	64	17.2	16.508	27.6	5.8	49.516	7.037	8.2	10.3	21.975	26.95
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	16	0.5	0.503	0.9	0.2	0.032	0.179	0.27	0.4	0.575	0.83
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	64	1535.	4247.266	14890.	132.	22288410.293	4721.06	167.5	236.75	7722.5	12205.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	64	0.3	2.083	8.	0.	7.184	2.68	0.	0.	4.	7.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	64	9.05	8.994	11.2	6.	2.477	1.574	6.75	7.6	10.4	10.9
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	6	10.8	10.283	11.9	7.	3.214	1.793	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	14	7.815	7.821	8.12	7.63	0.021	0.144	7.645	7.675	7.943	8.05
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	14	7.815	7.8	8.12	7.63	0.021	0.146	7.645	7.675	7.943	8.05
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	14	0.015	0.016	0.023	0.008	0.	0.005	0.009	0.011	0.021	0.023
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	15	25.	25.8	48.	11.	97.029	9.85	12.2	19.	32.	40.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	15	4.	4.2	6.	3.	0.743	0.862	3.	4.	5.	5.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	15	21.	21.6	43.	8.	87.257	9.341	9.2	15.	28.	35.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	15 ##	0.02	0.067	0.23	0.02	0.004	0.065	0.02	0.02	0.1	0.194
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	15 ##	0.005	0.009	0.04	0.005	0.	0.009	0.005	0.005	0.01	0.028
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	15	0.16	0.251	0.69	0.02	0.049	0.221	0.032	0.07	0.38	0.672
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	15	0.6	0.673	1.2	0.5	0.038	0.194	0.5	0.5	0.8	1.02
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	15	0.1	0.112	0.24	0.08	0.002	0.04	0.086	0.09	0.11	0.192
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	15	0.03	0.028	0.04	0.02	0.	0.006	0.02	0.02	0.03	0.034
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	15	0.02	0.021	0.03	0.01	0.	0.005	0.016	0.02	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	15	3.8	3.927	6.1	2.9	0.691	0.831	3.08	3.3	4.3	5.5

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

Annual Analysis for 1992 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	60	16.9	16.042	28.5	4.5	56.677	7.528	6.32	8.9	23.15	26.4
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	15	0.4	0.417	0.9	0.2	0.05	0.223	0.2	0.25	0.5	0.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	60	1580.	3216.033	10750.	200.	10166746.202	3188.534	286.9	542.	5215.	8810.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	60	0.3	1.422	6.	0.	3.259	1.805	0.	0.	2.75	4.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	60	8.9	8.938	12.8	5.8	3.2	1.789	6.6	7.725	10.2	10.9
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	5	8.6	9.24	11.9	7.5	2.958	1.72	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	14	7.675	7.716	8.68	7.14	0.14	0.374	7.245	7.478	7.828	8.435
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	14	7.672	7.6	8.68	7.14	0.154	0.392	7.245	7.477	7.827	8.435
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	14	0.021	0.025	0.072	0.002	0.	0.018	0.004	0.015	0.033	0.059
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	15	40.	41.133	90.	10.	407.695	20.191	14.2	27.	49.	77.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	15	7.	8.333	25.	2.	30.381	5.512	2.6	6.	9.	19.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	15	34.	32.733	75.	3.	361.495	19.013	6.	18.	42.	65.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	15	0.06	0.116	0.7	0.02	0.031	0.175	0.02	0.02	0.16	0.424
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	15 ##	0.005	0.01	0.03	0.005	0.	0.009	0.005	0.005	0.01	0.03
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	15	0.45	0.338	0.7	0.02	0.048	0.22	0.044	0.11	0.48	0.634
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	15	0.7	0.74	1.3	0.5	0.058	0.241	0.5	0.6	0.8	1.18
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	15	0.13	0.13	0.22	0.06	0.002	0.041	0.078	0.09	0.15	0.196
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	15	0.03	0.025	0.04	0.01	0.	0.008	0.01	0.02	0.03	0.034
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	15	0.02	0.019	0.03	0.005	0.	0.01	0.005	0.01	0.03	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	15	6.	5.653	8.7	3.	2.868	1.694	3.36	4.1	6.8	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 #1: 7/01 to 10/15 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	193	26.	25.298	32.	16.7	13.682	3.699	19.74	22.65	28.25	29.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	53	0.5	0.52	0.9	0.075	0.048	0.219	0.135	0.4	0.625	0.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	169	6610.	6454.805	14330.	180.	11290489.527	3360.132	1500.	3765.	9000.	10500.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	162	4.	3.942	11.	0.	5.787	2.406	0.53	2.	5.	7.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	166	6.9	7.017	9.2	5.8	0.595	0.771	5.97	6.475	7.6	8.2
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	51	7.3	7.373	12.	5.5	1.377	1.173	6.	6.6	8.	8.48
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	68	7.69	7.688	9.	6.7	0.191	0.437	7.09	7.405	7.92	8.12
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	68	7.69	7.482	9.	6.7	0.234	0.483	7.09	7.405	7.92	8.12
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	68	0.02	0.033	0.2	0.001	0.001	0.038	0.008	0.012	0.039	0.081
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	35	20.	21.071	48.	2.5	119.679	10.94	7.8	11.	31.	37.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	35	5.	6.157	16.	1.	14.953	3.867	1.6	3.	9.	12.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	31	15.	15.516	39.	1.	92.991	9.643	2.6	7.	21.	30.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	49 ##	0.025	0.034	0.1	0.02	0.	0.02	0.02	0.02	0.05	0.06
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-10/12/83	24	0.05	0.112	0.9	0.01	0.034	0.186	0.03	0.043	0.1	0.28
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	49	0.01	0.019	0.08	0.005	0.	0.02	0.005	0.005	0.025	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	22	0.01	0.019	0.1	0.	0.001	0.026	0.005	0.005	0.023	0.072
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	46	0.11	0.158	0.6	0.02	0.022	0.149	0.02	0.048	0.225	0.379
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	22	0.615	0.571	1.489	0.	0.137	0.37	0.039	0.278	0.755	1.099
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	71	0.6	0.662	3.3	0.1	0.182	0.426	0.3	0.4	0.8	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	54	0.09	0.094	0.4	0.04	0.003	0.055	0.05	0.06	0.1	0.155
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	49	0.03	0.034	0.09	0.01	0.	0.016	0.02	0.03	0.04	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	52	0.02	0.02	0.05	0.	0.	0.01	0.01	0.02	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	50	5.	5.464	9.	3.	2.617	1.618	3.71	4.075	7.	7.9
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	27 ##	50.	58.148	300.	15.	2734.9	52.296	15.	50.	50.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	27 ##	1.699	1.674	2.477	1.176	0.073	0.27	1.176	1.699	1.699	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			47.255								

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	131	10.5	11.046	22.	1.	28.918	5.378	4.5	6.3	15.	19.48
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	32	0.4	0.536	1.4	0.1	0.084	0.29	0.3	0.3	0.788	0.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	130	2600.	4211.092	14890.	95.	18624837.743	4315.65	165.	383.75	7047.5	11236.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	129	2.	2.45	8.	0.	6.755	2.599	0.	0.05	4.	7.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	130	10.3	9.872	13.8	6.3	2.424	1.557	7.71	8.6	10.9	11.49
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	23	10.9	10.022	12.5	6.	3.573	1.89	6.82	9.	11.3	11.9
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	33	7.7	7.666	8.62	6.18	0.19	0.436	7.078	7.525	7.87	8.21
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	33	7.7	7.334	8.62	6.18	0.304	0.551	7.078	7.525	7.87	8.21
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	33	0.02	0.046	0.661	0.002	0.013	0.114	0.006	0.014	0.03	0.084
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	18	29.5	56.	528.	11.	14024.588	118.425	12.8	18.5	35.5	102.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	17	6.	7.059	25.	2.	29.434	5.425	2.8	3.5	7.	16.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	18	20.5	46.278	472.	1.	11437.036	106.944	7.3	12.75	30.75	90.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	34	0.085	0.182	0.7	0.02	0.039	0.197	0.02	0.044	0.315	0.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-10/12/83	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	33 ##	0.005	0.011	0.04	0.005	0.	0.009	0.005	0.005	0.01	0.03
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	33	0.5	0.515	1.17	0.07	0.052	0.227	0.236	0.335	0.63	0.822
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	35	0.7	0.766	1.5	0.3	0.075	0.274	0.46	0.6	0.9	1.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	33	0.09	0.105	0.27	0.03	0.003	0.053	0.054	0.07	0.135	0.186
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	34	0.03	0.033	0.07	0.01	0.	0.014	0.015	0.028	0.04	0.055
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	34	0.025	0.026	0.06	0.005	0.	0.013	0.01	0.02	0.03	0.045
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	32	4.6	4.881	10.	1.	3.747	1.936	2.65	3.325	6.	7.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	7	70.	146.143	400.	23.	18970.81	137.735	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	7	1.845	1.981	2.602	1.362	0.199	0.446	**	**	**	**

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			95.801								

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-12/15/92	205	17.2	17.168	27.8	7.4	35.988	5.999	9.4	11.85	22.5	25.5
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/83-12/15/92	48	0.4	0.409	0.7	0.2	0.019	0.138	0.245	0.3	0.5	0.61
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/28/83-12/15/92	195	293.	755.292	4100.	80.	688845.466	829.967	130.	170.	1300.	2068.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/31/84-12/15/92	195	0.	0.393	3.	0.	0.496	0.705	0.	0.	0.5	1.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/12/84-12/15/92	195	9.2	9.107	12.	6.1	2.528	1.59	6.9	7.7	10.6	11.34
00300	OXYGEN, DISSOLVED MG/L	07/22/68-12/15/92	44	8.6	8.645	13.	5.8	2.736	1.654	6.8	7.2	9.9	10.95
00400	PH (STANDARD UNITS)	07/22/68-12/15/92	56	7.76	7.782	8.81	6.6	0.216	0.465	7.27	7.463	7.967	8.565
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-12/15/92	56	7.76	7.539	8.81	6.6	0.276	0.526	7.27	7.462	7.967	8.565
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-12/15/92	56	0.017	0.029	0.251	0.002	0.002	0.041	0.003	0.011	0.035	0.054
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-12/15/92	29	33.	35.793	90.	14.	314.956	17.747	19.	22.	41.	69.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-12/15/92	29	6.	6.931	25.	1.	18.995	4.358	3.	5.	8.	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-12/15/92	29	27.	28.793	75.	3.	305.884	17.49	12.	15.	35.	59.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	48	0.05	0.105	0.55	0.02	0.015	0.123	0.02	0.025	0.128	0.237
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-10/12/83	9	0.15	0.193	0.79	0.03	0.056	0.237	0.03	0.055	0.22	0.79
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	48 ##	0.005	0.021	0.55	0.005	0.006	0.078	0.005	0.005	0.01	0.021
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	9	0.02	0.019	0.04	0.005	0.	0.015	0.005	0.005	0.035	0.04
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/12/84-12/15/92	48	0.375	0.357	0.69	0.005	0.027	0.163	0.109	0.26	0.48	0.53
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-09/27/83	9	0.71	0.715	1.779	0.06	0.217	0.466	0.06	0.455	0.825	1.779
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-12/15/92	57	0.6	0.644	1.299	0.3	0.051	0.226	0.4	0.5	0.75	0.94
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/83-12/15/92	48	0.1	0.11	0.24	0.05	0.002	0.04	0.06	0.083	0.14	0.161
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/12/84-12/15/92	48	0.03	0.026	0.05	0.01	0.	0.012	0.01	0.02	0.03	0.041
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/83-12/15/92	48	0.02	0.02	0.05	0.005	0.	0.012	0.005	0.01	0.03	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/28/83-12/15/92	48	5.	4.944	9.	2.6	1.998	1.413	3.29	3.9	6.	7.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	10 ##	50.	137.9	1000.	3.	92521.211	304.173	3.8	14.	62.5	910.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-03/04/87	10 ##	1.699	1.619	3.	0.477	0.435	0.66	0.534	1.142	1.774	2.9
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			41.586								

** - Less than 9 observations ## - Computed 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: COLO0066

NPS Station ID: COLO0066
LAT/LON: 37.210281/ -76.678337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 25.00 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR126
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 5.520
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001604.98
RF3 Mile Point: 4.99
Distance from RF3: 0.48
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	30.1	30.1	30.1	30.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	39.8	39.8	39.8	39.8	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	158.4	158.4	158.4	158.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0067

NPS Station ID: COLO0067
LAT/LON: 37.210559/ -76.690560
Agency: 11NORCOR
Date Created: 06/09/79
Location: 25.75 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR129R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 6.290
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001605.76
RF3 Mile Point: 5.87
Distance from RF3: 0.76
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	20.2	20.2	20.2	20.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	176.9	176.9	176.9	176.9	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0068

NPS Station ID: COLO0068
LAT/LON: 37.210559/ -76.788060
Agency: 11NORCOR
Date Created: 06/09/79
Location: 33.50 BLACK
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR151B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206017
RF1 Mile Point: 13.990
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001611.93
RF3 Mile Point: 12.10
Distance from RF3: 0.73
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	20.4	20.4	20.4	20.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0069

NPS Station ID: COLO0069
LAT/LON: 37.210698/ -76.684920
Agency: 21VASWCB
Date Created: / /
Location: HOG POINT, BUOY 42
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2-JMS034.27 /VA2-01-X0117/VA2-4X0117
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 2-JAMES
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 5.940
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001604.49
RF3 Mile Point: 4.49
Distance from RF3: 0.59
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 01 TOPO MAP #: 0161 TOPO MAP NAME: HOG ISLAND, VA

Parameter Inventory for Station: COLO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/30/74	42	26.1	24.743	31.7	8.9	19.71	4.44	18.04	21.925	27.8	28.97
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/11/71-07/23/71	4	19.	18.25	20.	15.	4.917	2.217	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	41	7.4	7.612	12.	1.2	2.552	1.597	6.6	7.	8.	9.
00310	BOD, 5 DAY, 20 DEG C MG/L	03/20/69-05/26/74	6	0.75	1.	2.1	0.2	0.568	0.754	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-08/30/74	41	7.7	7.741	9.	6.7	0.307	0.554	7.04	7.35	8.	8.6
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-08/30/74	41	7.7	7.449	9.	6.7	0.395	0.628	7.04	7.35	8.	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-08/30/74	41	0.02	0.036	0.2	0.001	0.002	0.045	0.003	0.01	0.045	0.093
00403	PH, LAB, STANDARD UNITS SU	03/20/69-05/26/74	6	7.15	7.167	7.5	6.8	0.055	0.234	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/20/69-05/26/74	6	7.147	7.113	7.5	6.8	0.058	0.241	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/69-05/26/74	6	0.071	0.077	0.158	0.032	0.002	0.044	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/69-05/26/74	6	37.	35.167	42.	26.	41.367	6.432	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	09/27/72-05/24/73	3	0.5	1.633	4.4	0.	5.803	2.409	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/20/69-06/07/74	7	1541.	1557.286	4130.	250.	1781449.905	1334.71	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/20/69-06/07/74	7	121.	340.	893.	40.	148380.667	385.202	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/20/69-06/07/74	7	699.	1145.286	3237.	56.	1300739.238	1140.5	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/20/69-08/30/74	22	18.	19.591	43.	5.	96.539	9.825	7.2	11.75	27.	33.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/20/69-08/30/74	21	4.	5.286	16.	0.	16.414	4.051	1.	3.	7.5	12.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/20/69-08/30/74	22	11.	14.455	34.	2.	85.498	9.247	4.3	7.5	23.	29.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/20/69-08/30/74	34	0.08	0.137	0.73	0.02	0.025	0.159	0.035	0.05	0.155	0.36
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/20/69-08/30/74	36	0.01	0.017	0.08	0.005	0.	0.019	0.005	0.005	0.02	0.046
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/20/69-08/30/74	36	0.625	0.632	1.639	0.02	0.094	0.306	0.154	0.475	0.79	1.011
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/20/69-08/30/74	37	0.3	0.43	1.399	0.1	0.086	0.293	0.1	0.2	0.5	0.84
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/20/69-10/02/69	3	0.07	0.093	0.14	0.07	0.002	0.04	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/05/70-08/30/74	18	755.	842.611	2600.	8.	579082.134	760.974	18.8	52.5	1249.	2177.
01002	ARSENIC, TOTAL (UG/L AS AS)	06/14/71-05/16/72	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/16/72-08/17/72	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/21/70-05/24/73	6 ##	5.	10.	30.	5.	100.	10.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/21/70-05/24/73	6 ##	7.5	12.5	40.	5.	187.5	13.693	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/14/71-10/12/72	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/21/70-04/21/70	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/24/73-05/24/73	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/21/70-05/24/73	6 ##	7.5	10.833	30.	5.	94.167	9.704	**	**	**	**
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	09/26/71-07/26/74	6 ##	52.5	70.833	200.	15.	5354.167	73.172	**	**	**	**

** - Less than 9 observations ## - 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: COLO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	09/26/71-07/26/74	6 ##	1.565	1.623	2.301	1.176	0.256	0.506	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			41.972								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-08/30/74	31	90.	920.903	11000.	15.	6407738.757	2531.351	15.	15.	230.	2140.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/68-08/30/74	31	1.954	2.019	4.041	1.176	0.705	0.839	1.176	1.176	2.362	3.325
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			104.558								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-08/30/74	30 ##	50.	71.833	400.	5.	5438.764	73.748	50.	50.	50.	190.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/71-08/30/74	30 ##	1.699	1.746	2.602	0.699	0.088	0.297	1.699	1.699	1.699	2.271
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			55.707								
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	05/11/71-05/11/71	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	05/11/71-05/11/71	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/21/70-08/30/74	34 ##	0.05	0.067	0.2	0.025	0.002	0.039	0.05	0.05	0.063	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/21/70-08/30/74	34	0.05	0.042	0.1	0.01	0.	0.019	0.015	0.03	0.05	0.06
71900	MERCURY, TOTAL (UG/L AS HG)	06/14/71-05/24/73	5 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0069

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	2	0	0.00				2	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	41	1	0.02	26	1	0.04	1	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	41	1	0.02	25	1	0.04	1	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	41	0	0.00	25	0	0.00	1	0	0.00	15	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00	1	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	1	0	0.00				5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	36	0	0.00	21	0	0.00	1	0	0.00	14	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	36	0	0.00	21	0	0.00	1	0	0.00	14	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	8	0.44	12	7	0.58				6	1	0.17			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00							2	0	0.00			
		Drinking Water	50.	2	0	0.00							2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	2	0	0.00				4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	6	1	0.17	2	0	0.00				4	1	0.25			
		Drinking Water	1300.	6	0	0.00	2	0	0.00				4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	5.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	6	0	0.00	2	0	0.00				4	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	31	5	0.16	19	3	0.16				12	2	0.17			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	30	3	0.10	19	1	0.05	1	0	0.00	10	2	0.20			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/30/74	26	26.95	26.592	31.7	16.7	9.057	3.009	21.87	25.975	28.3	29.58
00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	26	7.25	7.331	12.	1.2	2.794	1.672	6.14	6.9	8.	8.26
00400	PH (STANDARD UNITS)	07/22/68-08/30/74	25	7.9	7.9	9.	6.7	0.327	0.572	6.92	7.6	8.35	8.64
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-08/30/74	25	7.9	7.524	9.	6.7	0.475	0.689	6.92	7.6	8.35	8.64
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-08/30/74	25	0.013	0.03	0.2	0.001	0.002	0.049	0.002	0.005	0.026	0.123
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-08/30/74	19	40.	889.684	11000.	15.	6368426.784	2523.574	15.	15.	430.	2300.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/68-08/30/74	19	1.602	1.98	4.041	1.176	0.776	0.881	1.176	1.176	2.633	3.362
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			95.573								

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/30/74	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/22/68-08/30/74	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-08/30/74	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-08/30/74	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/68-08/30/74	15	22.8	21.853	28.3	8.9	24.644	4.964	12.92	21.1	25.6	27.34
00300	OXYGEN, DISSOLVED MG/L	07/22/68-08/30/74	14	7.7	8.207	11.2	7.	1.859	1.364	7.	7.075	9.	11.
00400	PH (STANDARD UNITS)	07/22/68-08/30/74	15	7.5	7.513	8.8	6.8	0.194	0.441	7.04	7.3	7.7	8.2
00400	CONVERTED PH (STANDARD UNITS)	07/22/68-08/30/74	15	7.5	7.364	8.8	6.8	0.218	0.467	7.04	7.3	7.7	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/68-08/30/74	15	0.032	0.043	0.158	0.002	0.001	0.037	0.01	0.02	0.05	0.101
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/22/68-08/30/74	12	90.5	970.333	9300.	15.	7050240.242	2655.229	15.	36.	210.	6960.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/22/68-08/30/74	12	1.957	2.081	3.968	1.176	0.645	0.803	1.176	1.556	2.315	3.731
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			120.544								

** - Less than 9 observations ## - Computed 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: COLO0070

NPS Station ID: COLO0070 LAT/LON: 37.210698/ -76.684920 Agency: 21VASWCB Date Created: 11/08/80
Location: JAMES RIVER, OFF HOG POINT NEAR BUOY 42 FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): XQD2611 /X350000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: JAMES RIVER ECO Region:
RF1 Index: 02080206016 RF1 Mile Point: 5.940 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206081000.00 RF3 Mile Point: 1.62 Distance from RF3: 0.66 On/Off RF3:
Description:
CHESAPEAKE BAY PROGRAM TISSUE AND SEDIMENT DATA ALL DATA FROM VIRGINIA STATE WATER CONTROL BOARD UNLESS OTHERWISE DESIGNATED
POLLUTION COMPLAINT P70-082 9-17-80/

Parameter Inventory for Station: COLO0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/70-09/17/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/70-09/17/70	1	8.93	8.93	8.93	8.93	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/17/70-09/17/70	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/17/70-09/17/70	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/17/70-09/17/70	1	722.	722.	722.	722.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/17/70-09/17/70	1	27.1	27.1	27.1	27.1	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/17/70-09/17/70	1	13466.	13466.	13466.	13466.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/17/70-09/17/70	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0071

NPS Station ID: COLO0071
LAT/LON: 37.211670/ -76.673059
Agency: 11NORCOR
Date Created: 06/09/79
Location: 24.75 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR125
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 5.320
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107032101.62
RF3 Mile Point: 2.20
Distance from RF3: 0.34
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.8	32.8	32.8	32.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	52.9	52.9	52.9	52.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	172.5	172.5	172.5	172.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0072

NPS Station ID: COLO0072
LAT/LON: 37.211670/ -76.687781
Agency: 11NORCOR
Date Created: 06/09/79
Location: 25.50 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR128R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206016
RF1 Mile Point: 5.940
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001604.98
RF3 Mile Point: 5.18
Distance from RF3: 0.67
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	22.2	22.2	22.2	22.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	46.5	46.5	46.5	46.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	148.2	148.2	148.2	148.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0073

NPS Station ID: COLO0073 LAT/LON: 37.212226/ -76.468616 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05212D
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 4.190 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	86	23.	69.43	1100.	1.5	29790.983	172.601	4.	9.	43.	110.1
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	86	1.362	1.376	3.041	0.176	0.374	0.611	0.602	0.954	1.633	2.031
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.782								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	37	9.1	17.797	93.	1.5	604.062	24.578	1.5	2.55	23.	49.4
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	37	0.959	0.881	1.968	0.176	0.34	0.583	0.176	0.366	1.362	1.682
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.607								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	123	0.	0.081	1.34	0.	0.056	0.237	0.	0.	0.	0.23
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	123	0.58	0.894	7.18	0.	1.088	1.043	0.	0.14	1.32	2.146

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

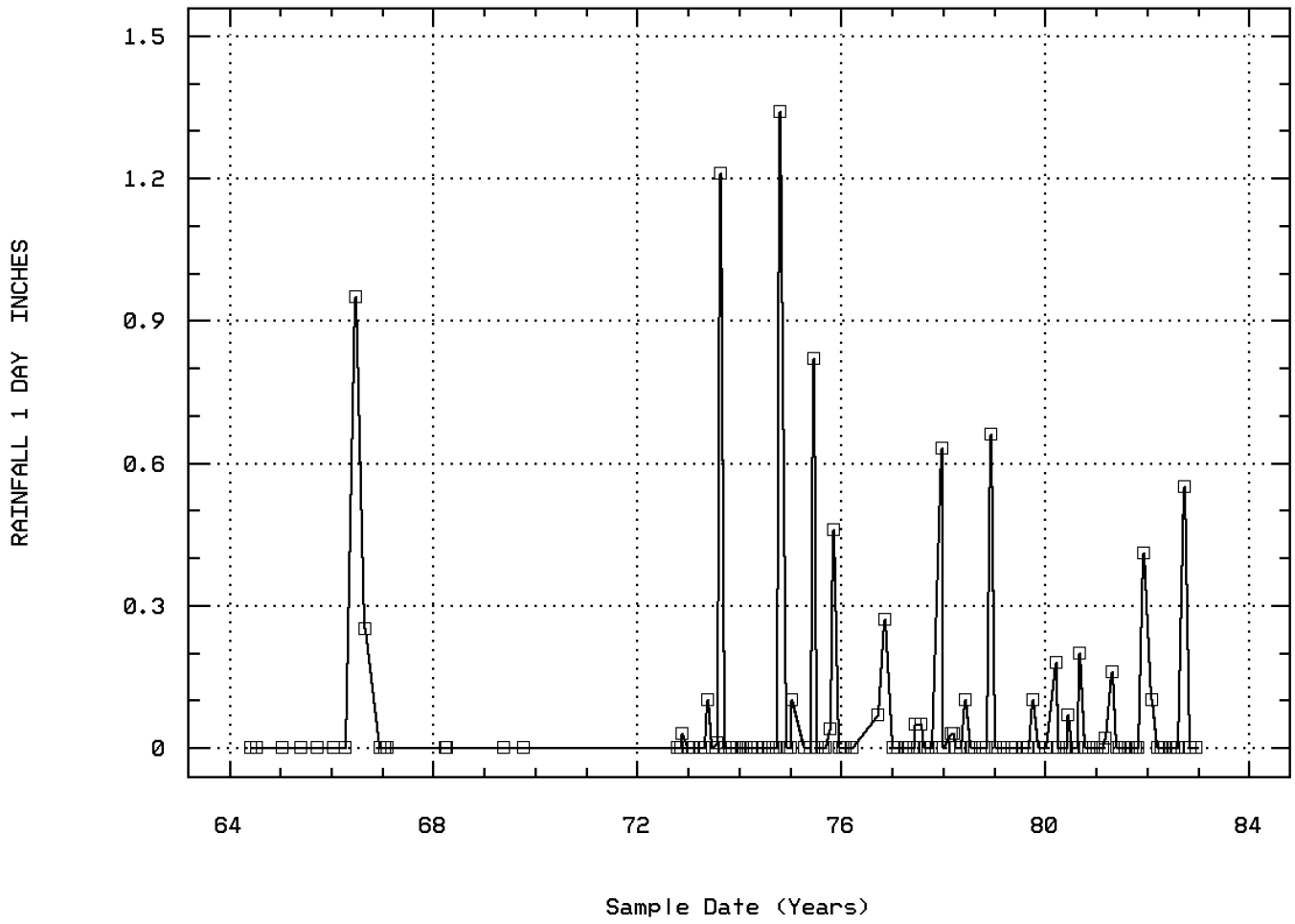
EPA Water Quality Criteria Analysis for Station: COLO0073

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	86	5	0.06	25	2	0.08	32	1	0.03	29	2	0.07			

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

Station: COL00073 Parameter Code: 82553

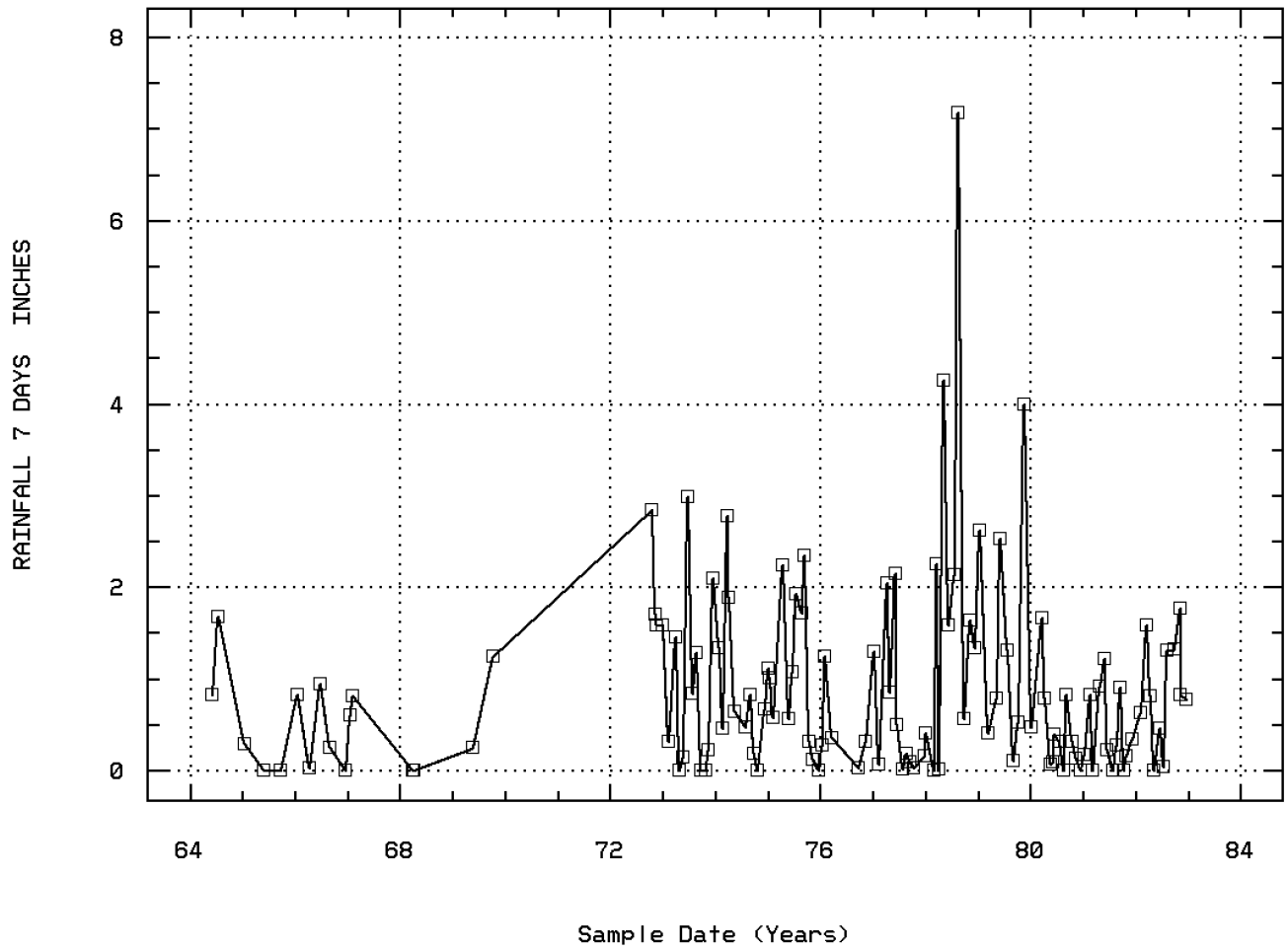
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0073 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	96.5	96.5	150.	43.	5724.5	75.66	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.905	1.905	2.176	1.633	0.147	0.384	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			80.312								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3	43.	382.333	1100.	4.	386664.333	621.823	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3	1.633	1.759	3.041	0.602	1.499	1.224	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			57.408								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	15.	18.8	43.	4.	233.2	15.271	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	1.176	1.146	1.633	0.602	0.154	0.393	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			13.98								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	51.	51.	93.	9.	3528.	59.397	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.461	1.461	1.968	0.954	0.514	0.717	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			28.931								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	48.5	48.5	93.	4.	3960.5	62.933	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.285	1.285	1.968	0.602	0.934	0.966	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.287								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	58.	58.	93.	23.	2450.	49.497	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.665	1.665	1.968	1.362	0.184	0.429	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			46.249								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4	16.	29.	75.	9.	984.	31.369	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4	1.158	1.286	1.875	0.954	0.191	0.437	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.334								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	1.645	1.928	2.84	1.58	0.373	0.611	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	23.	63.364	460.	4.	17726.055	133.139	4.6	9.	43.	383.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	1.362	1.354	2.663	0.602	0.325	0.57	0.651	0.954	1.633	2.505
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			22.57								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.12	1.21	0.	0.132	0.363	0.	0.	0.01	0.988
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.32	0.849	2.98	0.	1.001	1.	0.	0.	1.46	2.804

** - Less than 9 observations ## - Computed with 50% or 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 COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	23.	24.136	93.	1.5	759.205	27.554	2.	4.	43.	83.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	1.362	1.082	1.968	0.176	0.337	0.581	0.261	0.602	1.633	1.901
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			12.086								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	23.	53.545	150.	9.	2808.673	52.997	9.	23.	93.	150.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	1.362	1.54	2.176	0.954	0.182	0.427	0.954	1.362	1.968	2.176
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			34.695								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	6	9.	15.083	39.	1.5	186.042	13.64	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	6	0.954	0.999	1.591	0.176	0.233	0.483	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.968								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	6	0.	0.057	0.27	0.	0.012	0.108	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	6	0.335	0.587	1.3	0.03	0.297	0.545	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	10	23.	43.6	240.	1.5	4959.322	70.422	1.5	11.625	43.	220.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	10	1.362	1.262	2.38	0.176	0.437	0.661	0.176	0.926	1.633	2.306
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.291								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.	0.073	0.63	0.	0.039	0.197	0.	0.	0.05	0.572
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.17	0.607	2.15	0.01	0.683	0.826	0.012	0.053	1.148	2.139

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

Annual Analysis for 1978 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	43.	132.818	1100.	1.5	103706.114	322.034	1.5	15.	75.	898.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	1.633	1.458	3.041	0.176	0.642	0.801	0.176	1.176	1.875	2.827
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			28.702								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.075	0.66	0.	0.039	0.197	0.	0.	0.03	0.548
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.59	1.945	7.18	0.	4.523	2.127	0.004	0.41	2.25	6.596

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

Annual Analysis for 1979 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	6	84.	94.5	240.	23.	5863.9	76.576	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	6	1.922	1.865	2.38	1.362	0.119	0.345	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			73.21								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	8	0.	0.013	0.1	0.	0.001	0.035	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	8	1.05	1.536	4.	0.1	1.883	1.372	**	**	**	**

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

Annual Analysis for 1980 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.038	0.2	0.	0.005	0.074	0.	0.	0.053	0.194
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.315	0.421	1.67	0.	0.233	0.482	0.	0.068	0.71	1.415

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

Annual Analysis for 1981 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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 1982 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.059	0.55	0.	0.027	0.166	0.	0.	0.	0.46
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.81	0.866	1.77	0.	0.341	0.584	0.008	0.46	1.32	1.734

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	25	43.	102.86	1100.	1.5	51595.49	227.146	4.	23.	75.	274.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	25	1.633	1.549	3.041	0.176	0.386	0.621	0.602	1.362	1.875	2.371
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			35.405								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	37	0.	0.067	1.21	0.	0.048	0.219	0.	0.	0.005	0.21
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	37	0.47	0.902	7.18	0.	1.714	1.309	0.	0.065	1.31	2.182

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	32	15.	60.766	1100.	1.5	36875.726	192.031	1.5	4.75	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	32	1.176	1.179	3.041	0.176	0.448	0.669	0.176	0.663	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.116								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	44	0.	0.114	1.34	0.	0.082	0.286	0.	0.	0.023	0.545
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	44	0.59	0.79	4.	0.	0.667	0.817	0.	0.163	1.288	1.735

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29	23.	50.172	240.	4.	3917.791	62.592	4.	15.	59.	150.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29	1.362	1.444	2.38	0.602	0.232	0.482	0.602	1.176	1.754	2.176
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			27.826								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	42	0.	0.059	0.95	0.	0.037	0.192	0.	0.	0.005	0.142
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	42	0.79	0.995	4.26	0.	1.01	1.005	0.	0.128	1.61	2.446

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

Station Inventory for Station: COLO0074

NPS Station ID: COLO0074 LAT/LON: 37.212503/ -76.671116 Agency: 21VASWCB Date Created: / /
Location: BUOY 38 FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-JMS033.49 /VA2-01-X0116/VA2-4X0116
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206016 RF1 Mile Point: 5.220 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206000801.71 RF3 Mile Point: 3.09 Distance from RF3: 0.07 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 4 PIEDMONT
RIVER: JAMES RIVER SECTION: 01 TOPO MAP #: 0161 TOPO MAP NAME: HOG ISLAND, VA

Parameter Inventory for Station: COLO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/01/75-05/22/79	31	22.	19.261	29.	2.1	81.522	9.029	3.28	12.	27.8	28.9
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/28/75-07/28/75	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/01/75-04/10/79	30	7.5	8.24	13.	5.6	3.711	1.926	6.42	6.95	9.075	11.84
00310	BOD, 5 DAY, 20 DEG C MG/L	07/28/75-07/29/76	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/75-05/22/79	31	8.	8.013	10.2	7.	0.454	0.674	7.32	7.5	8.5	8.7
00400	CONVERTED PH (STANDARD UNITS)	05/01/75-05/22/79	31	8.	7.667	10.2	7.	0.577	0.76	7.32	7.5	8.5	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/75-05/22/79	31	0.01	0.022	0.1	0.	0.001	0.025	0.002	0.003	0.032	0.048
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/01/75-05/22/79	30	16.	24.9	210.	0.	1356.576	36.832	6.1	10.75	26.	44.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/01/75-05/22/79	29	4.	5.621	20.	0.	23.172	4.814	0.	2.	8.	12.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/01/75-05/22/79	29	10.	19.931	204.	0.	1346.638	36.697	2.	6.5	18.5	38.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/01/75-05/22/79	32 ##	0.05	0.083	0.3	0.05	0.004	0.064	0.05	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/01/75-05/22/79	33 ##	0.005	0.028	0.12	0.005	0.001	0.036	0.005	0.005	0.04	0.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/01/75-02/12/76	10	0.475	0.491	0.67	0.36	0.011	0.103	0.363	0.39	0.6	0.663
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/01/75-05/22/79	25	0.3	0.316	0.7	0.05	0.034	0.184	0.08	0.2	0.5	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/11/76-05/22/79	22	0.29	0.328	0.8	0.025	0.037	0.192	0.071	0.19	0.502	0.611
00940	CHLORIDE,TOTAL IN WATER MG/L	05/01/75-05/22/79	32	1420.	2310.219	15600.	14.	9172477.467	3028.61	19.6	157.	3550.	5595.
00951	FLUORIDE, TOTAL (MG/L AS F)	09/20/77-09/20/77	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/11/76-04/10/79	7 ##	1.	0.929	1.	0.5	0.036	0.189	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/11/76-04/10/79	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/04/75-04/10/79	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/04/75-04/10/79	8 ##	5.	6.25	10.	5.	5.357	2.315	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/10/79-04/10/79	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/04/75-04/10/79	8	6.5	6.375	10.	1.	7.125	2.669	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/79-04/10/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/04/75-04/10/79	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/04/75-04/10/79	8 ##	7.5	18.75	80.	5.	655.357	25.6	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/11/76-05/22/79	17	90.	188.853	930.	1.5	62974.18	250.947	12.3	40.	410.	530.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/11/76-05/22/79	17	1.954	1.875	2.968	0.176	0.48	0.693	0.976	1.602	2.612	2.7
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			74.993								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/75-05/22/79	29 ##	39.	33.621	90.	1.5	588.708	24.263	1.5	15.	50.	50.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/75-05/22/79	29 ##	1.591	1.326	1.954	0.176	0.287	0.536	0.176	1.176	1.699	1.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.185								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/01/75-05/01/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: COLO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/01/75-05/22/79	25 ##	0.05	0.062	0.1	0.05	0.	0.022	0.05	0.05	0.075	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/01/75-05/22/79	33	0.03	0.03	0.08	0.005	0.	0.018	0.005	0.02	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	06/04/75-04/10/79	8 ##	0.25	0.506	2.5	0.15	0.651	0.807	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0074

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	30	0	0.00	13	0	0.00	3	0	0.00	14	0	0.00			
00400	PH	Other-Hi Lim.	9.	31	2	0.06	14	1	0.07	3	0	0.00	14	1	0.07			
		Other-Lo Lim.	6.5	31	0	0.00	14	0	0.00	3	0	0.00	14	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	33	0	0.00	15	0	0.00	3	0	0.00	15	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	5	0	0.00	1	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	22	0	0.00	9	0	0.00	2	0	0.00	11	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	32	21	0.66	15	13	0.87	3	1	0.33	14	7	0.50			
01002	ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	3	0	0.00				4	0	0.00			
		Drinking Water	50.	7	0	0.00	3	0	0.00				4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	1300.	8	0	0.00	3	0	0.00				5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	5.	8	7	0.88	3	2	0.67				5	5	1.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00	2	0	0.00				5	0	0.00			
		Drinking Water	100.	7	0	0.00	2	0	0.00				5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	3	0	0.00				5	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	17	0	0.00	6	0	0.00	1	0	0.00	10	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	29	0	0.00	13	0	0.00	2	0	0.00	14	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7 &	0	0.00	2	0	0.00				5	0	0.00			
		Drinking Water	2.	7 &	0	0.00	2	0	0.00				5	0	0.00			

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

Station Inventory for Station: COLO0075

NPS Station ID: COLO0075 LAT/LON: 37.212503/ -76.671116 Agency: 21VASWCB Date Created: 11/08/80
Location: JAMES RIVER, NEAR BUOY 38 FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): XQD2803 /X352000 /Y4120000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: JAMES RIVER ECO Region:
RF1 Index: 02080206016 RF1 Mile Point: 5.220 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080206001604.98 RF3 Mile Point: 5.18 Distance from RF3: 0.85 On/Off RF3:
Description:
POLLUTION COMPLAINT P70-082 9-17-70/VIMS DATA FROM CROONENBERGHS THESIS JULY 1972 /VIMS, RJ HUGGETT STUDY FOR ARMY CORPS OF ENGINEERS,
POLLUTION COMPLAINT P70-082 9-17-80/

Parameter Inventory for Station: COLO0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00024	SAMPLE LENGTH IN INCHES	09/17/70-09/17/70	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/70-09/17/70	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/17/70-09/17/70	1	9.59	9.59	9.59	9.59	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/17/70-09/01/72	15	21.2	19.905	31.3	2.58	87.24	9.34	3.192	14.	26.8	30.04
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/17/70-09/01/72	15	22.3	23.345	44.	0.9	183.795	13.557	1.242	17.1	32.	42.38
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/17/70-09/17/70	1	0.95	0.95	0.95	0.95	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/17/70-09/01/72	15	122.2	106.807	155.6	20.4	2190.055	46.798	22.56	95.4	139.1	153.8
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/17/70-09/17/70	1	12524.	12524.	12524.	12524.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/17/70-09/01/72	15	0.03	0.052	0.3	0.	0.008	0.087	0.	0.	0.06	0.24
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/70-09/17/70	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/17/70-09/17/70	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/17/70-07/15/72	3	2.6	2.6	2.8	2.4	0.04	0.2	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/17/70-07/15/72	3	13.5	12.233	13.6	9.6	5.203	2.281	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	09/17/70-09/17/70	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/17/70-07/15/72	3	0.1	0.267	0.6	0.1	0.083	0.289	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	09/17/70-07/15/72	3	20.	15.333	20.	6.	65.333	8.083	**	**	**	**
81747	MANGANESE IN SHELLFISH TISSUE WET WEIGHT PPM MG/KG	09/17/70-09/17/70	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
81813	IRON IN SHELLFISH TISSUE WET WEIGHT MG/KG	09/17/70-09/17/70	1	140.6	140.6	140.6	140.6	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0076

NPS Station ID: COLO0076
LAT/LON: 37.212503/ -76.786115
Agency: 11NORCOR
Date Created: 06/09/79
Location: 33.50 CENTER
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR151
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206017
RF1 Mile Point: 13.990
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206081000.00
RF3 Mile Point: 1.72
Distance from RF3: 0.51
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	17.1	17.1	17.1	17.1	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	95.4	95.4	95.4	95.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0077

NPS Station ID: COLO0077
LAT/LON: 37.213059/ -76.683337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 25.25 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR127R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206017
RF1 Mile Point: 6.550
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001604.98
RF3 Mile Point: 5.02
Distance from RF3: 0.52
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	29.3	29.3	29.3	29.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	46.9	46.9	46.9	46.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	146.4	146.4	146.4	146.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0078

NPS Station ID: COLO0078 LAT/LON: 37.213615/ -76.474170 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05212C
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 4.580 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 0.07 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	89	15.	52.157	1100.	1.5	19083.634	138.144	2.	4.	41.	150.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	89	1.176	1.162	3.041	0.176	0.412	0.642	0.301	0.602	1.612	2.176
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.531								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/16/74-12/07/82	40	6.35	53.805	1100.	1.5	30831.556	175.589	1.5	1.5	43.	93.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/16/74-12/07/82	40	0.758	0.975	3.041	0.176	0.563	0.75	0.176	0.176	1.633	1.968
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.447								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	129	0.	0.078	1.34	0.	0.054	0.232	0.	0.	0.	0.2
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	129	0.58	0.866	7.18	0.	1.02	1.01	0.	0.16	1.305	2.1

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

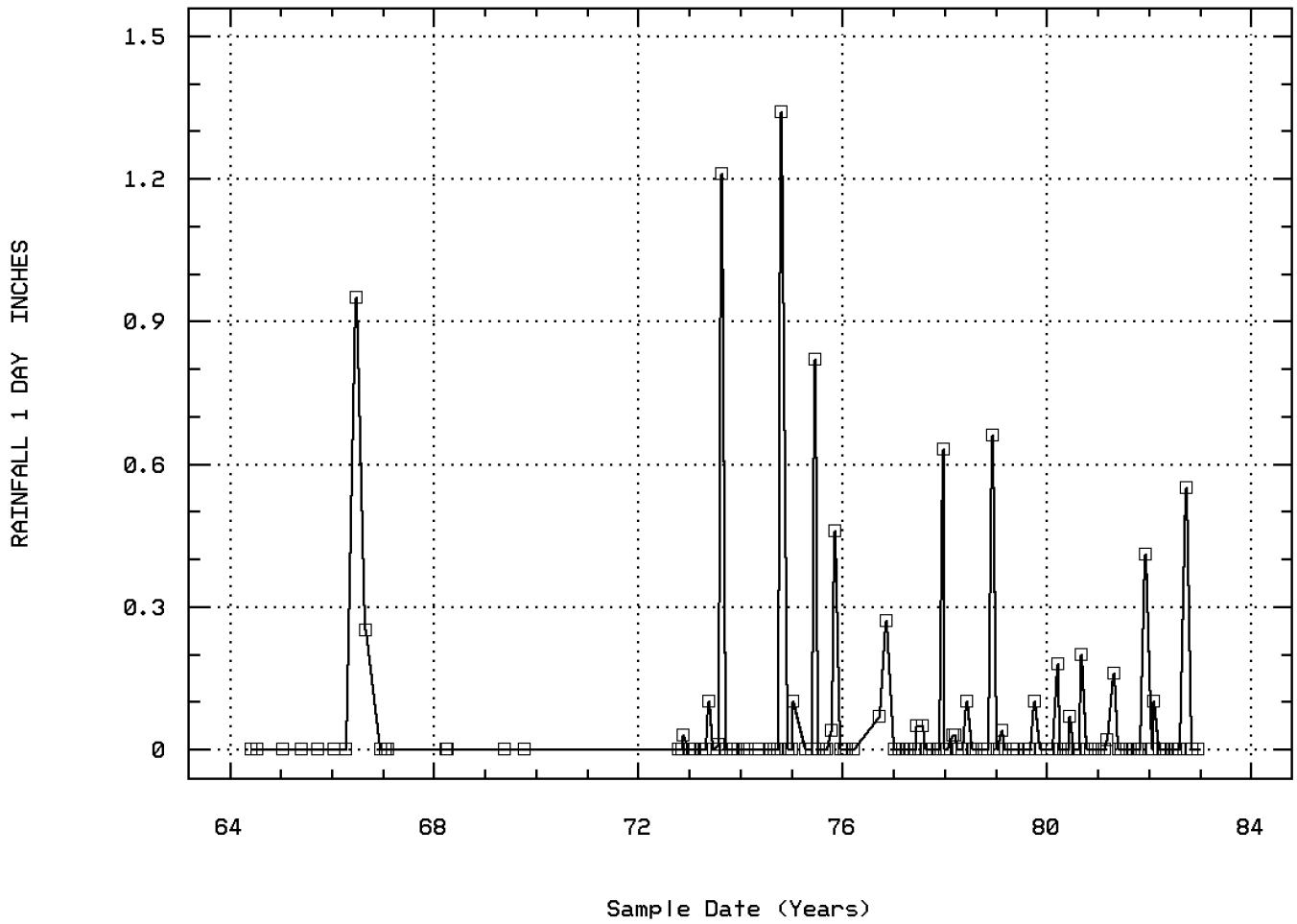
EPA Water Quality Criteria Analysis for Station: COLO0078

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	89	6	0.07	25	4	0.16	36	0	0.00	28	2	0.07			

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

Station: COL00078 Parameter Code: 82553

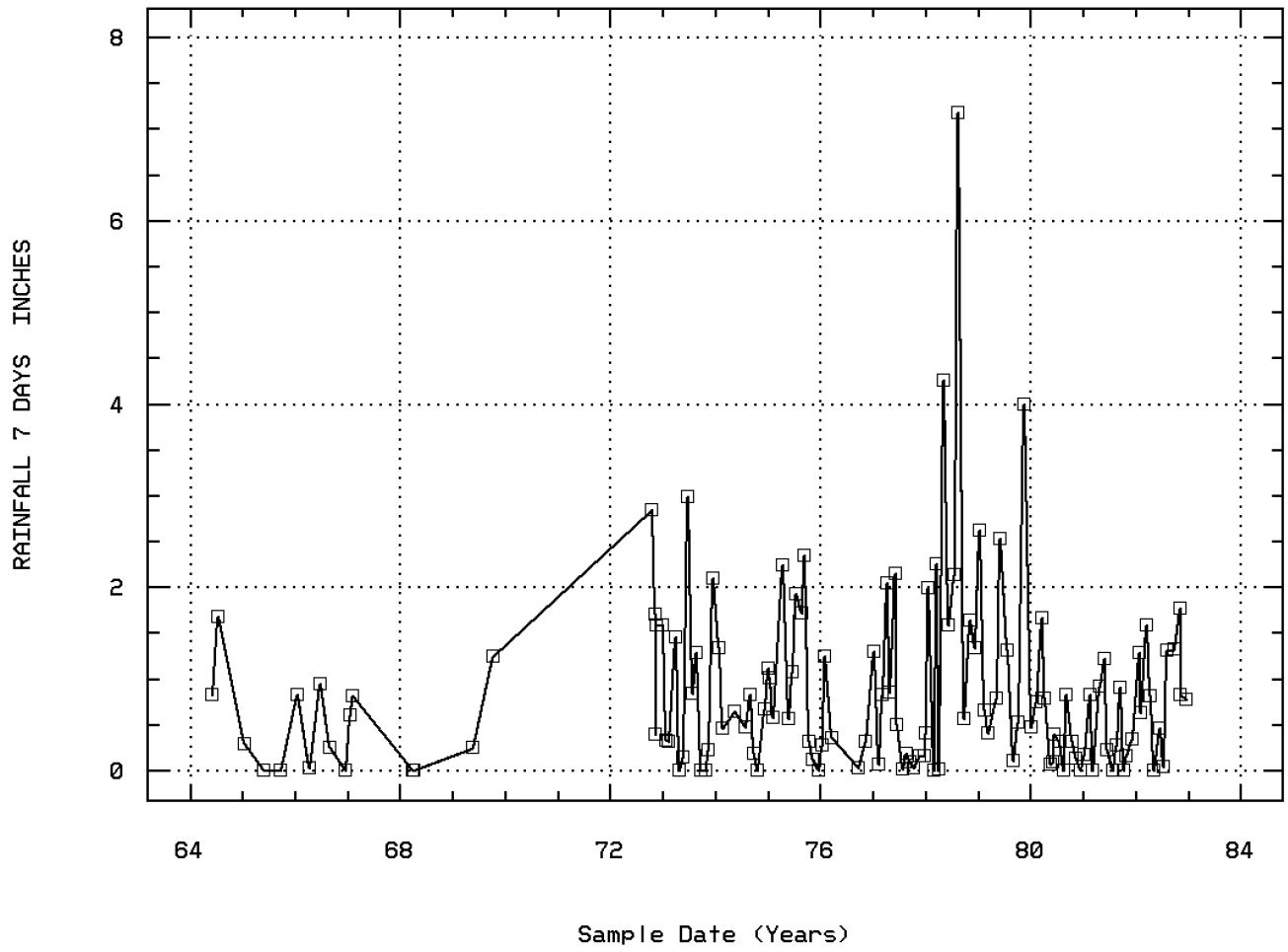
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00078 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	116.5	116.5	210.	23.	17484.5	132.229	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.842	1.842	2.322	1.362	0.461	0.679	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			69.498								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3	23.	16.667	23.	4.	120.333	10.97	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3	1.362	1.109	1.362	0.602	0.192	0.439	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			12.838								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	9.	37.2	150.	2.	4049.7	63.637	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	0.954	1.019	2.176	0.301	0.623	0.789	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.443								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	6.5	6.5	9.	4.	12.5	3.536	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	0.778	0.778	0.954	0.602	0.062	0.249	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	6.5	6.5	9.	4.	12.5	3.536	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	0.778	0.778	0.954	0.602	0.062	0.249	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	26.	26.	43.	9.	578.	24.042	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.294	1.294	1.633	0.954	0.231	0.48	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.672								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	23.	35.4	93.	9.	1230.8	35.083	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	1.362	1.374	1.968	0.954	0.193	0.44	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.683								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.006	0.03	0.	0.	0.013	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	1.59	1.622	2.84	0.4	0.746	0.864	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	19.	135.125	1100.	1.5	96875.733	311.249	2.25	9.	88.5	842.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	1.269	1.423	3.041	0.176	0.639	0.8	0.304	0.954	1.945	2.843
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			26.492								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.11	1.21	0.	0.121	0.348	0.	0.	0.008	0.877
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.325	0.806	2.98	0.	0.932	0.965	0.	0.035	1.415	2.716

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

Annual Analysis for 1974 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	8	4.	9.625	43.	1.5	200.196	14.149	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	8	0.602	0.696	1.633	0.176	0.241	0.491	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.969								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.149	1.34	0.	0.2	0.447	0.	0.	0.	1.34
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.64	0.632	1.34	0.	0.178	0.422	0.	0.32	0.965	1.34

** - 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 1975 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	23.	42.864	240.	1.5	4415.605	66.45	4.	15.	43.	200.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	1.362	1.359	2.38	0.176	0.267	0.517	0.37	1.176	1.633	2.231
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			22.88								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	6	6.5	8.417	23.	1.5	60.042	7.749	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	6	0.778	0.775	1.362	0.176	0.165	0.407	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.958								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	6	0.	0.057	0.27	0.	0.012	0.108	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	6	0.335	0.587	1.3	0.03	0.297	0.545	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	6.5	16.917	93.	1.5	704.038	26.534	1.5	4.	15.	78.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.778	0.885	1.968	0.176	0.294	0.543	0.176	0.602	1.176	1.868
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.678								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	23.	75.917	460.	3.	17372.992	131.807	3.3	7.5	122.25	367.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	1.362	1.406	2.663	0.477	0.44	0.664	0.515	0.872	2.03	2.517
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			25.462								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	23.	83.357	460.	1.5	27881.226	166.977	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	1.362	1.289	2.663	0.176	0.659	0.812	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.459								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.	0.035	0.2	0.	0.005	0.072	0.	0.	0.035	0.192
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.32	0.446	1.67	0.	0.222	0.471	0.	0.075	0.77	1.33

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

Annual Analysis for 1981 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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 1982 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	25	23.	100.24	1100.	1.5	53886.669	232.135	3.	6.5	43.	328.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	25	1.362	1.386	3.041	0.176	0.523	0.723	0.432	0.778	1.633	2.493
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			24.314								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/16/74-12/07/82	12	14.	130.4	1100.	1.5	98044.042	313.12	1.5	3.6	88.5	842.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/16/74-12/07/82	12	1.146	1.23	3.041	0.176	0.833	0.913	0.176	0.556	1.945	2.843
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			16.965								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	37	0.	0.067	1.21	0.	0.048	0.219	0.	0.	0.005	0.21
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	37	0.47	0.902	7.18	0.	1.714	1.309	0.	0.065	1.31	2.182

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	36	9.	18.278	150.	1.5	1161.421	34.08	1.5	4.	21.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	36	0.954	0.889	2.176	0.176	0.285	0.534	0.176	0.602	1.315	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.752								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/16/74-12/07/82	15	3.6	25.707	93.	1.5	1209.641	34.78	1.5	1.5	43.	93.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/16/74-12/07/82	15	0.556	0.928	1.968	0.176	0.491	0.701	0.176	0.176	1.633	1.968
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			8.481								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	51	0.	0.099	1.34	0.	0.072	0.268	0.	0.	0.	0.45
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	51	0.6	0.791	4.	0.	0.623	0.789	0.	0.17	1.28	1.756

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	28	23.	52.786	460.	2.	9122.175	95.51	4.	9.	43.	159.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	28	1.362	1.314	2.663	0.301	0.339	0.582	0.602	0.954	1.633	2.197
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			20.585								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/16/74-12/07/82	13	3.6	15.523	75.	1.5	476.285	21.824	1.5	1.5	23.	62.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/16/74-12/07/82	13	0.556	0.795	1.875	0.176	0.391	0.625	0.176	0.176	1.362	1.778
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.232								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.	0.06	0.95	0.	0.038	0.194	0.	0.	0.01	0.148
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.79	0.926	4.26	0.	0.933	0.966	0.	0.115	1.525	2.248

** - Less than 9 observations ## - Computed 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: COLO0079

NPS Station ID: COLO0079
LAT/LON: 37.213615/ -76.841670
Agency: 11NORCOR
Date Created: 06/09/79
Location: 37.00 BLACK
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR154B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206024
RF1 Mile Point: 2.720
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002400.00
RF3 Mile Point: 1.41
Distance from RF3: 0.74
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	29.1	29.1	29.1	29.1	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	24.4	24.4	24.4	24.4	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	190.5	190.5	190.5	190.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0080

NPS Station ID: COLO0080
LAT/LON: 37.213892/ -76.837504
Agency: 11NORCOR
Date Created: 06/09/79
Location: 36.75 BLACK
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR153B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206024
RF1 Mile Point: 2.510
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002400.00
RF3 Mile Point: 1.59
Distance from RF3: 0.77
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	32.8	32.8	32.8	32.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	30.2	30.2	30.2	30.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	191.4	191.4	191.4	191.4	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0081

NPS Station ID: COLO0081 LAT/LON: 37.214170/ -76.468337 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05212F
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 4.190 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	52	23.	57.038	1100.	1.5	26977.94	164.25	2.6	4.	38.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	52	1.362	1.21	3.041	0.176	0.386	0.621	0.391	0.602	1.566	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.226								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	39	9.1	48.779	460.	1.5	11541.138	107.43	1.5	3.6	43.	150.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	39	0.959	1.054	2.663	0.176	0.523	0.723	0.176	0.556	1.633	2.176
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			11.333								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	90	0.	0.055	0.95	0.	0.025	0.158	0.	0.	0.	0.178
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	90	0.53	0.847	7.18	0.	1.203	1.097	0.	0.123	1.258	2.13

** - 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: COLO0081

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	52	3	0.06	16	1	0.06	16	1	0.06	20	1	0.05			

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

Annual Analysis for 1965 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	1	2.84	2.84	2.84	2.84	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	7	0.	0.049	0.27	0.	0.01	0.101	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	7	0.34	0.486	1.3	0.03	0.182	0.426	**	**	**	**

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

Annual Analysis for 1977 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	13	0.	0.035	0.2	0.	0.005	0.072	0.	0.	0.035	0.192
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	13	0.32	0.446	1.67	0.	0.222	0.471	0.	0.075	0.77	1.33

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

Annual Analysis for 1981 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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 1982 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	16	23.	96.	1100.	4.	72289.867	268.868	4.	12.5	43.	395.1
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	16	1.362	1.403	3.041	0.602	0.365	0.604	0.602	1.056	1.633	2.29
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			25.28								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	28	0.	0.044	0.55	0.	0.014	0.117	0.	0.	0.	0.205
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	28	0.29	0.804	7.18	0.	2.061	1.436	0.	0.033	1.165	2.21

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	16	6.5	28.094	240.	1.5	3396.107	58.276	1.5	2.5	23.	102.1
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	16	0.778	0.955	2.38	0.176	0.424	0.651	0.176	0.376	1.362	1.857
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.023								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	30	0.	0.071	0.66	0.	0.032	0.179	0.	0.	0.008	0.396
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	30	0.645	0.834	4.	0.	0.782	0.885	0.006	0.16	1.285	1.968

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	20	15.	49.025	460.	1.5	10610.96	103.01	4.	9.	38.	144.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/23/65-08/30/79	20	1.176	1.26	2.663	0.176	0.324	0.569	0.602	0.954	1.566	2.155
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.199								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	32	0.	0.049	0.95	0.	0.029	0.171	0.	0.	0.015	0.142
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/23/65-12/07/82	32	0.76	0.898	4.26	0.	0.92	0.959	0.	0.123	1.498	2.22

** - 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 Inventory for Station: COLO0082

NPS Station ID: COLO0082
LAT/LON: 37.214170/ -76.833338
Agency: 11NORCOR
Date Created: 06/09/79
Location: 36.50 BLACK
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR152B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206024
RF1 Mile Point: 2.310
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002400.00
RF3 Mile Point: 3.18
Distance from RF3: 0.84
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	27.7	27.7	27.7	27.7	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	25.3	25.3	25.3	25.3	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	195.2	195.2	195.2	195.2	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0083

NPS Station ID: COLO0083
LAT/LON: 37.214448/ -76.784171
Agency: 11NORCOR
Date Created: 06/09/79
Location: 33.50 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR151R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206017
RF1 Mile Point: 14.130
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002100.01
RF3 Mile Point: 0.00
Distance from RF3: 0.18
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	29.9	29.9	29.9	29.9	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	30.5	30.5	30.5	30.5	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	135.7	135.7	135.7	135.7	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0084

NPS Station ID: COLO0084
LAT/LON: 37.214726/ -76.744171
Agency: 21VASWCB
Date Created: / /
Location: COLONIAL PQWY BRIGDE
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2-MIC000.03 /VA2-01-X0172/VA2-5X0172
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 2-JAMES
ECO Region:
RF1 Index: 02080206017
RF1 Mile Point: 11.130
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002400.00
RF3 Mile Point: 10.11
Distance from RF3: 0.51
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 5 TIDEWATER
RIVER: MILL CREEK SECTION: 01 TOPO MAP #: 0161 TOPO MAP NAME: HOG ISLAND, VA

Parameter Inventory for Station: COLO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/74-08/25/93	53	20.	19.023	33.5	1.3	84.898	9.214	5.8	9.75	27.35	30.3
00080	COLOR (PLATINUM-COBALT UNITS)	07/14/92-03/03/93	6	61.5	74.5	133.	52.	947.5	30.781	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/14/92-08/25/93	14	2425.	3509.286	11500.	130.	12663960.989	3558.646	205.	380.	7000.	9500.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/14/92-07/13/93	11	2300.	2852.909	8220.	163.	7325957.891	2706.651	185.2	593.	4600.	7896.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/14/92-08/25/93	14	2.	2.429	7.	0.	4.687	2.165	0.	0.5	4.25	6.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/92-08/25/93	14	8.25	8.55	12.2	5.7	5.101	2.259	5.85	6.575	10.7	12.05
00300	OXYGEN, DISSOLVED MG/L	07/08/74-04/30/79	38	7.55	7.679	11.8	3.7	4.494	2.12	5.18	5.875	9.6	10.61
00310	BOD, 5 DAY, 20 DEG C MG/L	09/18/74-07/13/93	12	2.	2.083	3.	1.	0.447	0.669	1.	2.	2.75	3.
00340	COD, .25N K2CR2O7 MG/L	07/14/92-04/14/93	4	21.	22.75	34.	15.	70.25	8.382	**	**	**	**
00400	PH (STANDARD UNITS)	07/08/74-08/25/93	53	7.5	7.546	8.8	6.7	0.256	0.506	7.	7.16	7.885	8.436
00400	CONVERTED PH (STANDARD UNITS)	07/08/74-08/25/93	53	7.5	7.326	8.8	6.7	0.305	0.553	7.	7.16	7.885	8.436
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/74-08/25/93	53	0.032	0.047	0.2	0.002	0.002	0.043	0.004	0.013	0.07	0.1
00403	PH, LAB, STANDARD UNITS SU	07/14/92-07/13/93	11	7.5	7.5	8.	7.2	0.058	0.241	7.2	7.3	7.6	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	07/14/92-07/13/93	11	7.5	7.446	8.	7.2	0.061	0.247	7.2	7.3	7.6	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/92-07/13/93	11	0.032	0.036	0.063	0.01	0.	0.017	0.011	0.025	0.05	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/14/92-07/13/93	11	47.	46.818	62.	31.	97.164	9.857	31.8	36.	55.	60.8
00500	RESIDUE, TOTAL (MG/L)	07/14/92-07/13/93	11	1392.	1992.	5400.	130.	4090060.	2022.39	140.8	328.	4200.	5360.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/14/92-07/13/93	11	244.	397.636	2000.	27.	335552.855	579.269	28.4	37.	600.	1740.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/14/92-07/13/93	11	1148.	1594.364	4600.	103.	2474624.455	1573.094	112.4	291.	3400.	4380.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/23/74-07/13/93	12	26.5	291.667	3200.	9.	838958.424	915.947	12.3	20.5	35.75	2255.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/23/74-07/13/93	12	5.5	6.083	10.	3.	6.083	2.466	3.	4.	8.75	9.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/23/74-07/13/93	12	20.5	21.583	43.	6.	82.447	9.08	8.4	17.	26.75	38.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/74-08/25/93	49 ##	0.05	0.076	0.3	0.02	0.004	0.067	0.02	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	49 ##	0.005	0.011	0.08	0.005	0.	0.013	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	32	0.365	0.392	1.599	0.02	0.151	0.388	0.02	0.039	0.553	0.794
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/74-08/25/93	48	0.45	0.5	1.3	0.1	0.071	0.267	0.2	0.3	0.6	1.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/76-03/15/79	16	0.165	0.196	0.42	0.025	0.025	0.16	0.025	0.031	0.37	0.392
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/92-08/25/93	13	0.1	0.112	0.2	0.05	0.002	0.042	0.07	0.1	0.1	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/14/92-04/14/93	8	6.75	7.262	14.9	4.2	10.871	3.297	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/92-04/14/93	8	257.	685.5	3350.	46.	1247992.857	1117.136	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/14/92-07/13/93	11	703.	873.455	2660.	20.	808126.073	898.958	25.2	128.	1443.	2566.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/92-07/13/93	11	110.	127.818	355.	11.	13860.164	117.729	11.6	31.	199.	345.4
00951	FLUORIDE, TOTAL (MG/L AS F)	07/14/92-04/14/93	7 ##	0.05	0.209	0.76	0.05	0.068	0.261	**	**	**	**

** - Less than 9 observations ## - 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: COLO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/14/92-12/07/92	5	3.3	3.98	6.	2.7	1.907	1.381	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/04/75-09/05/78	6 ##	1.	1.083	1.5	1.	0.042	0.204	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/23/74-03/15/79	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/23/74-03/15/79	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042	COPPER, TOTAL (UG/L AS CU)	08/23/74-03/15/79	10 ##	5.	9.5	30.	5.	74.722	8.644	5.	5.	12.5	29.
01045	IRON, TOTAL (UG/L AS FE)	09/05/78-03/15/79	2	975.	975.	1350.	600.	281250.	530.33	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/23/74-03/15/79	10	6.5	7.5	14.	2.	21.611	4.649	2.1	3.	13.25	14.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/79-03/15/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/23/74-03/15/79	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	08/23/74-03/15/79	10	30.	103.5	460.	5.	20483.611	143.121	5.	5.	157.5	432.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/28/76-11/18/77	2	3350.	3350.	4300.	2400.	1805000.	1343.503	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/28/76-11/18/77	2	3.507	3.507	3.633	3.38	0.032	0.179	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3212.476								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	350.	423.333	790.	130.	112933.333	336.056	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	2.544	2.519	2.898	2.114	0.154	0.392	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			330.024								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	38 ##	50.	95.605	790.	23.	18305.272	135.297	50.	50.	100.	147.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	38 ##	1.699	1.831	2.898	1.362	0.084	0.289	1.699	1.699	2.	2.15
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			67.772								
32240	TANNIN AND LIGNIN (MG/L)	11/05/92-04/14/93	4	0.75	0.75	0.9	0.6	0.017	0.129	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	07/08/74-04/30/79	36 ##	0.05	0.094	1.	0.05	0.026	0.161	0.05	0.05	0.05	0.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/74-08/25/93	49	0.03	0.049	0.95	0.005	0.018	0.133	0.005	0.01	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	08/23/74-03/15/79	10 ##	0.25	0.23	0.25	0.15	0.002	0.042	0.15	0.225	0.25	0.25
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/14/92-07/13/93	11	25.	29.418	67.	16.6	179.284	13.39	17.68	24.	31.	60.8

** - 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: COLO0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	14	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	38	1	0.03	17	1	0.06	11	0	0.00	10	0	0.00			
00400	PH	Other-Hi Lim.	9.	53	0	0.00	23	0	0.00	15	0	0.00	15	0	0.00			
		Other-Lo Lim.	6.5	53	0	0.00	23	0	0.00	15	0	0.00	15	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	49	0	0.00	20	0	0.00	14	0	0.00	15	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	32	0	0.00	12	0	0.00	10	0	0.00	10	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	16	0	0.00	8	0	0.00	4	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	11	5	0.45	4	3	0.75	3	2	0.67	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	11	0	0.00	4	0	0.00	3	0	0.00	4	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	4	0	0.00				2	0	0.00			
		Drinking Water	50.	6	0	0.00	4	0	0.00				2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	5	0	0.00	1	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	2	0.20	5	1	0.20	1	1	1.00	4	0	0.00			
		Drinking Water	1300.	10	0	0.00	5	0	0.00	1	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	5	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	5.	9 &	6	0.67	4	4	1.00	1	0	0.00	4	2	0.50			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	5	0	0.00	1	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	4	0.40	5	3	0.60	1	1	1.00	4	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	2	2	1.00	1	1	1.00	1	1	1.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	2	0.67	1	1	1.00				2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	38	3	0.08	14	2	0.14	11	0	0.00	13	1	0.08			
71900	MERCURY, TOTAL	Fresh Acute	2.4	10	0	0.00	5	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	2.	10	0	0.00	5	0	0.00	1	0	0.00	4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	11	1	0.09	4	0	0.00	3	1	0.33	4	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/74-08/25/93	23	27.8	25.857	33.5	2.6	42.902	6.55	17.14	23.3	30.	31.06
00400	PH (STANDARD UNITS)	07/08/74-08/25/93	23	7.5	7.547	8.5	6.7	0.247	0.497	6.84	7.3	7.9	8.42
00400	CONVERTED PH (STANDARD UNITS)	07/08/74-08/25/93	23	7.5	7.319	8.5	6.7	0.302	0.549	6.84	7.3	7.9	8.42
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/74-08/25/93	23	0.032	0.048	0.2	0.003	0.003	0.051	0.004	0.013	0.05	0.145
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/74-08/25/93	20 ##	0.05	0.064	0.3	0.02	0.004	0.067	0.02	0.043	0.05	0.185
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	20 ##	0.005	0.008	0.04	0.005	0.	0.008	0.005	0.005	0.009	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	12 ##	0.098	0.196	0.53	0.02	0.046	0.214	0.02	0.02	0.458	0.521
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/74-08/25/93	20	0.4	0.52	1.3	0.1	0.125	0.353	0.2	0.3	0.8	1.1
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	14 ##	50.	101.643	400.	23.	11991.632	109.506	36.5	50.	100.	350.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	14 ##	1.699	1.859	2.602	1.362	0.111	0.334	1.53	1.699	2.	2.54
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			72.356								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/74-08/25/93	20 ##	0.015	0.022	0.05	0.005	0.	0.018	0.005	0.005	0.03	0.05

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/74-08/25/93	15	8.1	9.793	20.	1.3	28.725	5.36	3.22	5.6	15.5	18.32
00400	PH (STANDARD UNITS)	07/08/74-08/25/93	15	7.5	7.583	8.59	7.	0.234	0.484	7.	7.3	7.75	8.536
00400	CONVERTED PH (STANDARD UNITS)	07/08/74-08/25/93	15	7.5	7.394	8.59	7.	0.272	0.521	7.	7.3	7.75	8.536
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/74-08/25/93	15	0.032	0.04	0.1	0.003	0.001	0.034	0.003	0.018	0.05	0.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/74-08/25/93	14	0.075	0.103	0.3	0.02	0.006	0.08	0.02	0.05	0.153	0.25
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	14	0.01	0.011	0.03	0.005	0.	0.009	0.005	0.005	0.013	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	10	0.58	0.695	1.599	0.08	0.244	0.494	0.109	0.37	0.975	1.589
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/74-08/25/93	14	0.45	0.443	0.7	0.1	0.041	0.203	0.15	0.275	0.625	0.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	11 ##	50.	62.727	100.	50.	481.818	21.95	50.	50.	90.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	11 ##	1.699	1.777	2.	1.699	0.018	0.134	1.699	1.699	1.954	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			59.829								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/74-08/25/93	14	0.03	0.034	0.08	0.01	0.001	0.023	0.01	0.01	0.05	0.07

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/74-08/25/93	15	19.	17.773	27.	6.1	49.532	7.038	7.36	11.1	24.1	27.
00400	PH (STANDARD UNITS)	07/08/74-08/25/93	15	7.3	7.509	8.8	7.	0.326	0.571	7.	7.	8.	8.524
00400	CONVERTED PH (STANDARD UNITS)	07/08/74-08/25/93	15	7.3	7.277	8.8	7.	0.383	0.619	7.	7.	8.	8.524
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/74-08/25/93	15	0.05	0.053	0.1	0.002	0.002	0.041	0.003	0.01	0.1	0.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/74-08/25/93	15 ##	0.05	0.067	0.2	0.02	0.002	0.047	0.02	0.05	0.1	0.14
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	15 ##	0.005	0.013	0.08	0.005	0.	0.019	0.005	0.005	0.01	0.044
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/74-08/25/93	10	0.31	0.324	0.78	0.02	0.061	0.247	0.02	0.103	0.495	0.762
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/74-08/25/93	14	0.5	0.529	1.	0.3	0.03	0.173	0.35	0.4	0.6	0.85
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	13 ##	50.	116.923	790.	50.	41523.077	203.772	50.	50.	75.	526.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/08/74-06/17/93	13 ##	1.699	1.846	2.898	1.699	0.118	0.344	1.699	1.699	1.849	2.584
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			70.186								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/74-08/25/93	15	0.03	0.099	0.95	0.01	0.056	0.237	0.01	0.02	0.05	0.44

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

Station Inventory for Station: COLO0085

NPS Station ID: COLO0085
LAT/LON: 37.215281/ -76.678337
Agency: 11NORCOR
Date Created: 06/09/79
Location: 25.00 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR126R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206017
RF1 Mile Point: 6.450
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001604.98
RF3 Mile Point: 5.02
Distance from RF3: 0.86
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0085

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

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

Station Inventory for Station: COLO0086

NPS Station ID: COLO0086
LAT/LON: 37.215838/ -76.673059
Agency: 11NORCOR
Date Created: 06/09/79
Location: 24.75 RED
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR125R
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206017
RF1 Mile Point: 6.100
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206001604.98
RF3 Mile Point: 4.99
Distance from RF3: 0.77
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0086

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

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

Station Inventory for Station: COLO0087

NPS Station ID: COLO0087 LAT/LON: 37.216670/ -76.468893 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05212B
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 4.290 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 0.31 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	102	9.	35.224	1100.	0.8	13288.941	115.278	1.5	4.	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	102	0.954	1.008	3.041	-0.097	0.39	0.624	0.176	0.602	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.188								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	08/14/73-12/07/82	40	3.6	16.328	210.	1.5	1258.048	35.469	1.5	1.5	23.	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	08/14/73-12/07/82	40	0.556	0.774	2.322	0.176	0.334	0.578	0.176	0.176	1.362	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.947								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	141	0.	0.072	1.34	0.	0.05	0.223	0.	0.	0.	0.176
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	141	0.57	0.872	7.18	0.	1.004	1.002	0.	0.16	1.31	2.1

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

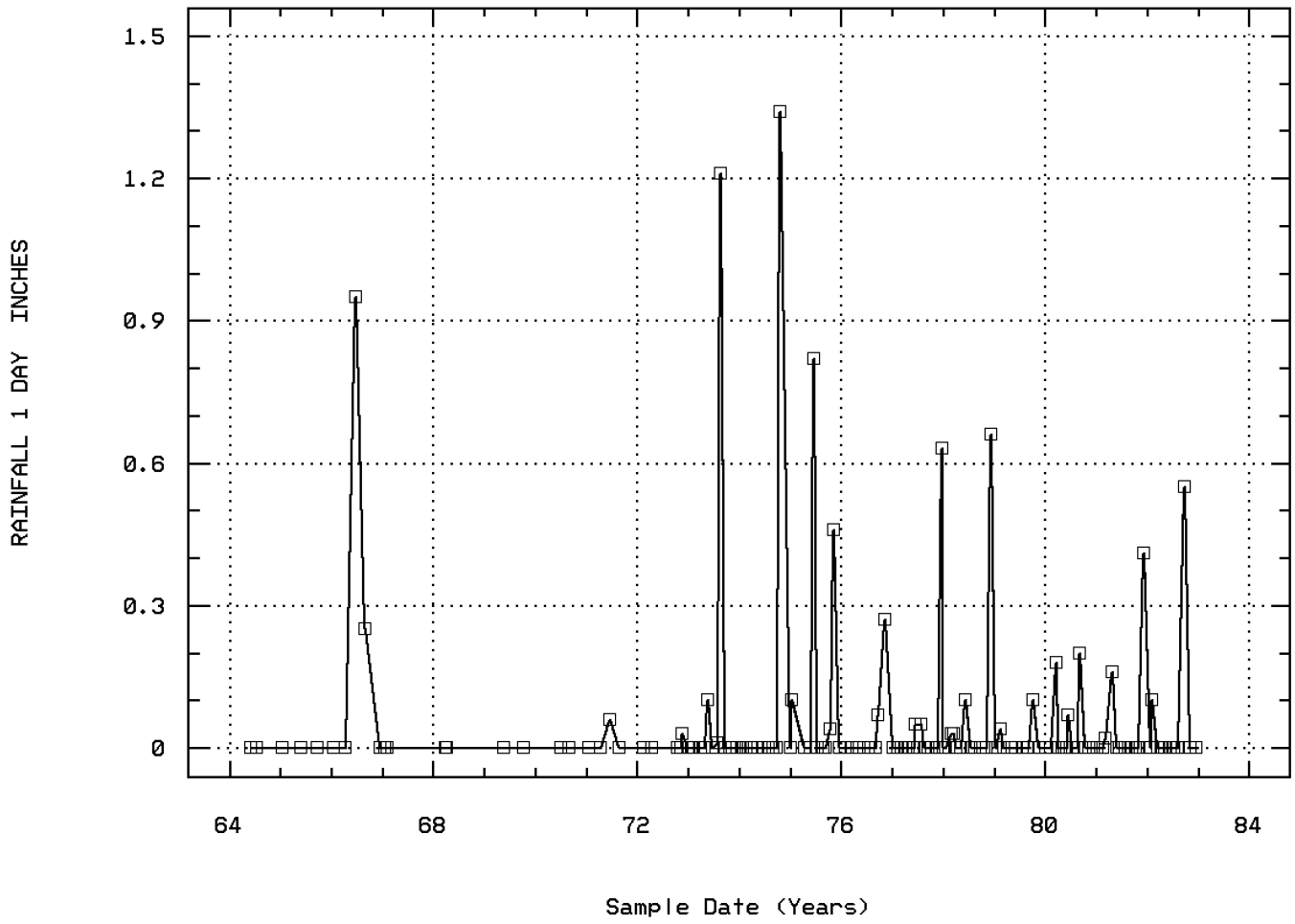
EPA Water Quality Criteria Analysis for Station: COLO0087

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	102	4	0.04	28	2	0.07	37	2	0.05	37	0	0.00			

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

Station: COL00087 Parameter Code: 82553

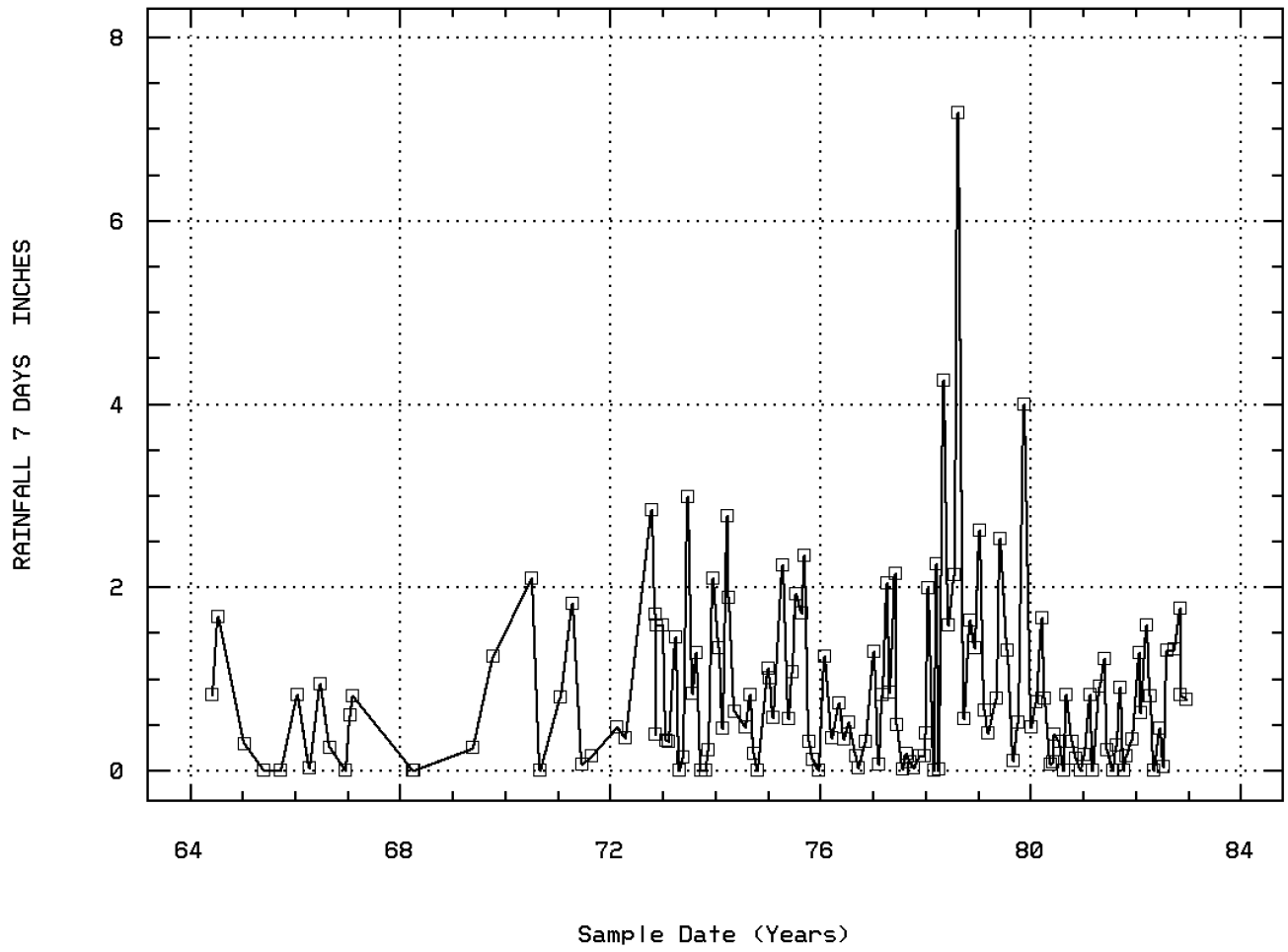
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00087 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	141.5	141.5	240.	43.	19404.5	139.3	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	2.007	2.007	2.38	1.633	0.279	0.528	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			101.587								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3	23.	18.333	23.	9.	65.333	8.083	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3	1.362	1.226	1.362	0.954	0.055	0.235	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.823								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	23.	16.	23.	2.	98.	9.899	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	1.362	1.068	1.362	0.301	0.215	0.464	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.697								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	12.	12.	15.	9.	18.	4.243	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.065	1.065	1.176	0.954	0.025	0.157	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.619								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	23.5	23.5	43.	4.	760.5	27.577	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.118	1.118	1.633	0.602	0.532	0.729	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			13.115								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	33.	33.	43.	23.	200.	14.142	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	1.498	1.498	1.633	1.362	0.037	0.192	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			31.448								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	12.25	12.25	23.	1.5	231.125	15.203	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.769	0.769	1.362	0.176	0.703	0.838	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.874								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4	9.	43.	150.	4.	5094.	71.372	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4	0.954	1.172	2.176	0.602	0.476	0.69	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.848								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	6.	7.929	23.	1.5	52.369	7.237	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.778	0.758	1.362	0.176	0.147	0.384	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.724								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	1.58	1.276	2.84	0.35	0.849	0.921	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	9.	21.636	93.	1.5	719.205	26.818	1.5	3.	23.	83.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.954	1.034	1.968	0.176	0.336	0.579	0.176	0.477	1.362	1.901
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.826								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.11	1.21	0.	0.121	0.348	0.	0.	0.008	0.877
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.325	0.806	2.98	0.	0.932	0.965	0.	0.035	1.415	2.716

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

Annual Analysis for 1974 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	10	6.5	12.13	43.	0.8	183.169	13.534	0.87	3.375	23.	41.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	10	0.778	0.815	1.633	-0.097	0.298	0.546	-0.07	0.496	1.362	1.606
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.532								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.	0.134	1.34	0.	0.18	0.424	0.	0.	0.	1.206
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.73	0.968	2.77	0.	0.717	0.847	0.018	0.39	1.478	2.682

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

Annual Analysis for 1975 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	23.	25.136	75.	1.5	466.905	21.608	2.	9.	43.	68.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	1.362	1.207	1.875	0.176	0.246	0.496	0.261	0.954	1.633	1.827
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.102								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	10	4.	9.8	43.	1.5	180.067	13.419	1.5	1.5	12.5	41.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	10	0.602	0.681	1.633	0.176	0.284	0.533	0.176	0.176	1.056	1.606
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.8								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.038	0.27	0.	0.008	0.09	0.	0.	0.035	0.27
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.36	0.557	1.3	0.03	0.206	0.453	0.03	0.235	0.99	1.3

** - 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 1977 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	4.	15.417	93.	1.5	751.265	27.409	1.5	1.5	18.25	78.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.602	0.723	1.968	0.176	0.369	0.607	0.176	0.176	1.172	1.868
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.287								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	14.	140.833	1100.	1.5	99068.288	314.751	1.5	4.	189.75	842.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	1.146	1.296	3.041	0.176	0.829	0.911	0.176	0.602	2.183	2.843
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.79								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	9.	25.286	75.	1.5	824.821	28.72	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.954	1.007	1.875	0.176	0.514	0.717	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.167								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.	0.035	0.2	0.	0.005	0.072	0.	0.	0.035	0.192
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.32	0.446	1.67	0.	0.222	0.471	0.	0.075	0.77	1.33

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

Annual Analysis for 1981 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

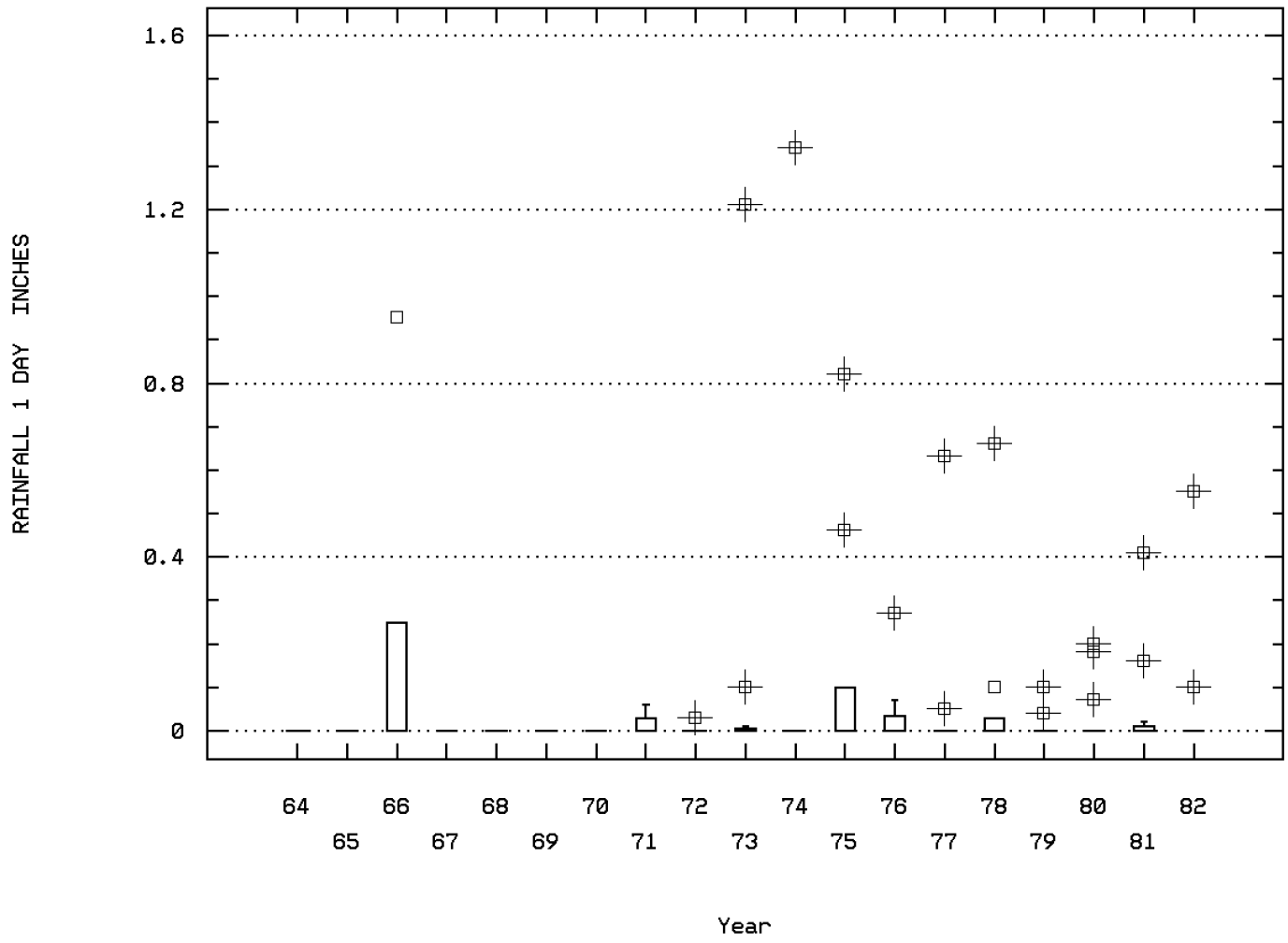
Annual Analysis for 1982 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Station: COL00087 Parameter Code: 82553

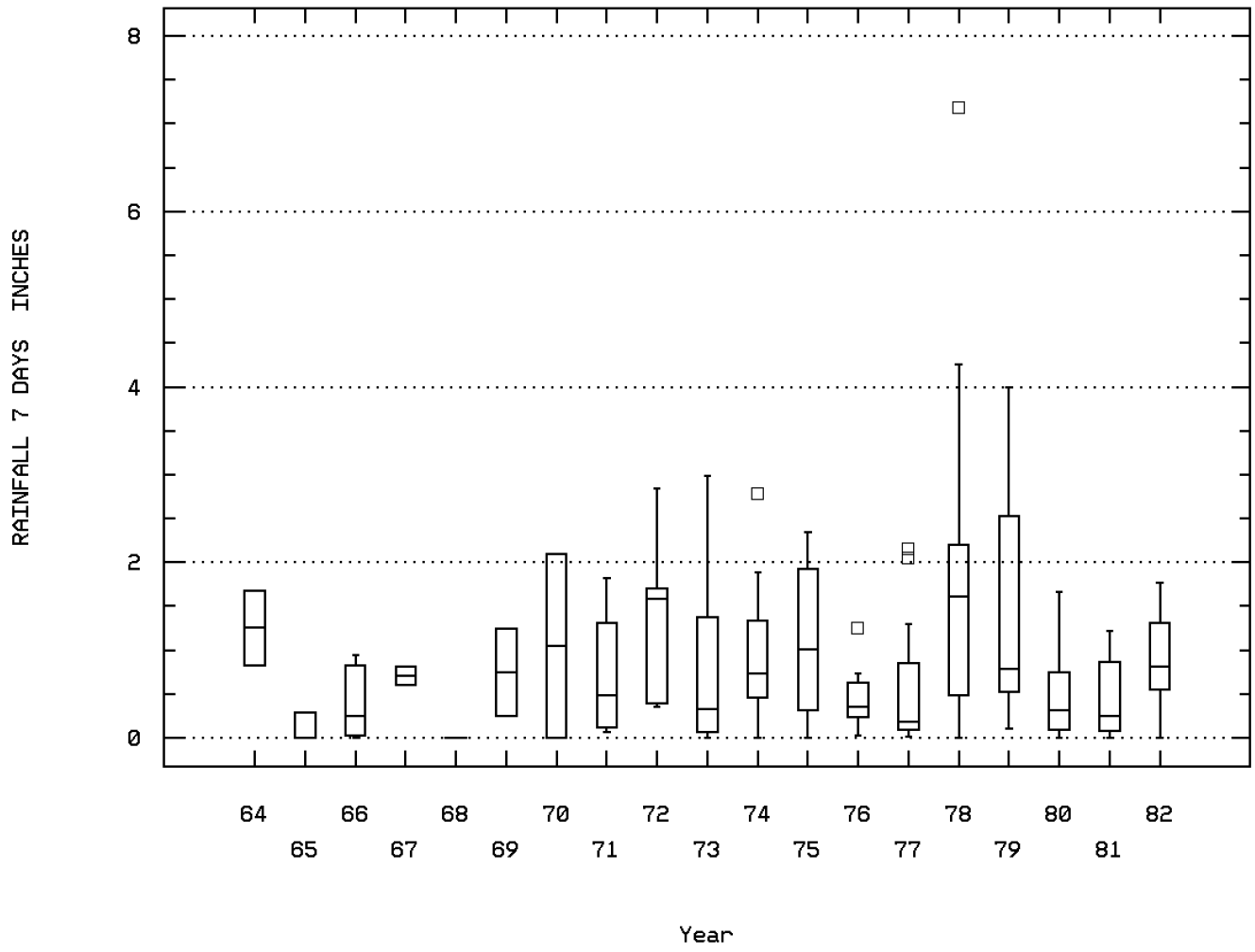
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0087 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	28	9.	62.1	1100.	0.8	43566.654	208.726	1.5	2.125	23.	107.7
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	28	0.954	0.985	3.041	-0.097	0.547	0.74	0.176	0.283	1.362	2.01
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.662								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	08/14/73-12/07/82	13	9.1	34.085	210.	1.5	3437.573	58.631	1.5	2.55	33.	163.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	08/14/73-12/07/82	13	0.959	1.036	2.322	0.176	0.493	0.702	0.176	0.366	1.498	2.181
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.873								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.	0.06	1.21	0.	0.043	0.208	0.	0.	0.	0.18
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.32	0.835	7.18	0.	1.589	1.261	0.	0.065	1.295	2.098

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	9.	23.297	240.	1.5	2876.659	53.634	1.5	3.	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	0.954	0.895	2.38	0.176	0.337	0.581	0.176	0.477	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.856								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	08/14/73-12/07/82	14	3.6	8.457	23.	1.5	78.132	8.839	1.5	1.5	17.	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	08/14/73-12/07/82	14	0.556	0.668	1.362	0.176	0.258	0.507	0.176	0.176	1.223	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.653								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	51	0.	0.099	1.34	0.	0.072	0.268	0.	0.	0.	0.45
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	51	0.6	0.798	4.	0.	0.619	0.787	0.	0.17	1.28	1.756

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	23.	26.811	150.	1.5	950.463	30.83	1.5	4.	43.	75.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	1.362	1.138	2.176	0.176	0.314	0.561	0.176	0.602	1.633	1.875
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			13.752								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	08/14/73-12/07/82	13	3.6	7.046	23.	1.5	59.261	7.698	1.5	1.5	9.1	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	08/14/73-12/07/82	13	0.556	0.627	1.362	0.176	0.203	0.451	0.176	0.176	0.959	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.236								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	49	0.	0.052	0.95	0.	0.032	0.179	0.	0.	0.	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	49	0.79	0.98	4.26	0.	0.94	0.969	0.	0.18	1.63	2.25

** - 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 Inventory for Station: COLO0088

NPS Station ID: COLO0088
LAT/LON: 37.218060/ -76.837504
Agency: 11NORCOR
Date Created: 06/09/79
Location: 36.75 CENTER
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR153
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206024
RF1 Mile Point: 2.620
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002400.00
RF3 Mile Point: 1.64
Distance from RF3: 1.11
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	20.8	20.8	20.8	20.8	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	27.9	27.9	27.9	27.9	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	148.5	148.5	148.5	148.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0089

NPS Station ID: COLO0089
LAT/LON: 37.218337/ -76.833338
Agency: 11NORCOR
Date Created: 06/09/79
Location: 36.50 CENTER
FIPS State/County: 51181 VIRGINIA/SURRY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): NORCOR152
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: JAMES RIVER
ECO Region:
RF1 Index: 02080206024
RF1 Mile Point: 2.410
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002100.01
RF3 Mile Point: 0.00
Distance from RF3: 0.35
On/Off RF3:
Description:
NORFOLK CORPS OF ENGINEERS - VARIOUS STUDIES ON CHANNEL DREDGING - WITH VIRGINIA INSTITUTE OF MARINE SCIENCE AND INSTITUTE OF OCEANOGRAPHY AT OLD DOMINION UNIVERSITY NORFOLK VIRGINIA

Parameter Inventory for Station: COLO0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/15/72-10/15/72	1	30.3	30.3	30.3	30.3	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/15/72-10/15/72	1	46.2	46.2	46.2	46.2	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/15/72-10/15/72	1	209.1	209.1	209.1	209.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/15/72-10/15/72	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0090

NPS Station ID: COLO0090 LAT/LON: 37.219170/ -76.473892 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05213B
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 4.980 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 2.27 Distance from RF3: 0.14 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/18/79-07/18/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/18/79-07/18/79	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	01/02/80-12/07/82	33 ##	1.5	4.53	43.	1.5	55.617	7.458	1.5	1.5	3.6	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	01/02/80-12/07/82	33 ##	0.176	0.44	1.633	0.176	0.136	0.369	0.176	0.176	0.556	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.753								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/18/79-12/07/82	34	0.	0.041	0.55	0.	0.015	0.121	0.	0.	0.	0.18
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/18/79-12/07/82	34	0.425	0.584	1.77	0.	0.275	0.524	0.	0.12	0.913	1.315

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

EPA Water Quality Criteria Analysis for Station: COLO0090

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: COLO0091

NPS Station ID: COLO0091
LAT/LON: 37.219170/ -76.744727
Agency: 21VASWCB
Date Created: 06/26/93
Location: CENTER LAKE POWELL (YORK CO)
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 2-MIC001.20
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 2-JAMES
ECO Region:
RF1 Index: 02080206
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02080107000801.14
RF3 Mile Point: 1.13
Distance from RF3: 1.19
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2- JAMES REGION: 5 TIDEWATER
RIVER: MILL CREEK SECTION: 01A TOPO MAP #: 0161 TOPO MAP NAME: HOG ISLAND, VA
LAKE STATION

Parameter Inventory for Station: COLO0091

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

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

Station Inventory for Station: COLO0092

NPS Station ID: COLO0092 LAT/LON: 37.220003/ -76.791671 Agency: 112WRD Date Created: 10/07/77
Location: JAMES RIVER AT JAMESTOWN FERRY PIER, VA FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 02042770
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 0.90 On/Off RF1:
RF3 Index: 02080206002800.80 RF3 Mile Point: 0.80 Distance from RF3: 0.09 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/77-06/02/78	4	25.75	21.625	28.	7.	98.229	9.911	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/26/77-06/02/78	4	25.	26.25	45.	10.	356.25	18.875	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/77-06/02/78	4	2892.5	3075.	6400.	115.	11160650.	3340.756	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/77-06/02/78	4	7.2	7.175	7.6	6.7	0.162	0.403	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/77-06/02/78	4	7.155	7.04	7.6	6.7	0.187	0.432	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/77-06/02/78	4	0.07	0.091	0.2	0.025	0.006	0.079	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/26/77-06/02/78	4	4.8	5.8	12.	1.6	21.067	4.59	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/77-06/02/78	4	32.5	34.5	41.	32.	19.	4.359	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/26/77-06/02/78	4	39.5	42.	50.	39.	28.667	5.354	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/26/77-06/02/78	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/26/77-06/02/78	4	0.035	0.034	0.06	0.005	0.001	0.03	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/26/77-06/02/78	4	0.345	0.408	0.72	0.22	0.056	0.236	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/26/77-06/02/78	4	0.4	0.45	0.7	0.3	0.037	0.191	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/26/77-06/02/78	4	0.06	0.075	0.15	0.03	0.003	0.052	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/26/77-06/02/78	4	0.02	0.025	0.05	0.01	0.	0.017	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/26/77-06/02/78	4	6.3	5.925	7.1	4.	2.116	1.455	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/20/77-12/20/77	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/20/77-06/02/78	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/02/78-06/02/78	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/26/77-06/02/78	4	358.5	353.25	660.	36.	125534.25	354.308	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/26/77-06/02/78	4	322.5	319.5	630.	3.	124537.667	352.899	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/26/77-06/02/78	4	33.	31.75	51.	10.	498.25	22.322	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/26/77-06/02/78	4	67.4	66.85	130.	2.6	5318.037	72.925	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/26/77-06/02/78	4	561.5	582.575	1200.	7.3	431002.589	656.508	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/26/77-06/02/78	4	10.15	10.2	20.	0.5	115.593	10.751	**	**	**	**
00932	SODIUM, PERCENT	07/26/77-06/02/78	4	61.	57.5	78.	30.	571.	23.896	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/26/77-06/02/78	4	29.4	29.375	57.	1.7	981.389	31.327	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/26/77-06/02/78	4	966.5	960.5	1900.	9.	1176976.333	1084.885	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/26/77-06/02/78	4	144.5	144.5	280.	9.	22740.333	150.799	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/26/77-06/02/78	4	0.15	0.15	0.2	0.1	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/26/77-06/02/78	4	5.55	6.	9.	3.9	6.42	2.534	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/26/77-06/02/78	4 ##	77.5	82.5	170.	5.	8075.	89.861	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/26/77-06/02/78	4	2005.5	1990.25	3880.	70.	4737233.583	2176.519	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/26/77-06/02/78	4	1834.5	1844.5	3640.	69.	4064627.	2016.092	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/26/77-06/02/78	4	2.725	2.708	5.28	0.1	8.757	2.959	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/26/77-06/02/78	4	1.5	1.8	3.2	1.	1.093	1.046	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	07/26/77-06/02/78	4	0.115	0.108	0.2	0.	0.012	0.108	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	2	0.50	2	2	1.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: COLO0093

NPS Station ID: COLO0093
Location: 56F 15
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206175500.00
Description:

LAT/LON: 37.220559/ -76.766670
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 22.60

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371314076460001
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.33

Date Created: 06/29/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-08/02/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-08/02/77	1	740.	740.	740.	740.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/77-08/02/77	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/77-08/02/77	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/77-08/02/77	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/02/77-08/02/77	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-08/02/77	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-08/02/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-08/02/77	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-08/02/77	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-08/02/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-08/02/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-08/02/77	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/02/77-08/02/77	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/02/77-08/02/77	1	96.	96.	96.	96.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-08/02/77	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-08/02/77	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-08/02/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-08/02/77	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-08/02/77	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-08/02/77	1	150.	150.	150.	150.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-08/02/77	1	427.	427.	427.	427.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-08/02/77	1	428.	428.	428.	428.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-08/02/77	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-08/02/77	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	1	336.	336.	336.	336.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	1	327.	327.	327.	327.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	1	337.	337.	337.	337.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: COLO0094

NPS Station ID: COLO0094 LAT/LON: 37.220837/ -76.468616 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05212A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 4.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 0.44 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	105	4.	13.529	240.	1.5	901.595	30.027	1.5	1.5	14.	29.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	105	0.602	0.727	2.38	0.176	0.281	0.53	0.176	0.176	1.146	1.453
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.338								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	39 ##	1.5	5.992	43.	1.5	80.626	8.979	1.5	1.5	6.2	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	39 ##	0.176	0.49	1.633	0.176	0.2	0.448	0.176	0.176	0.792	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.088								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	143	0.	0.071	1.34	0.	0.049	0.221	0.	0.	0.	0.172
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	143	0.57	0.866	7.18	0.	0.993	0.996	0.	0.16	1.31	2.1

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

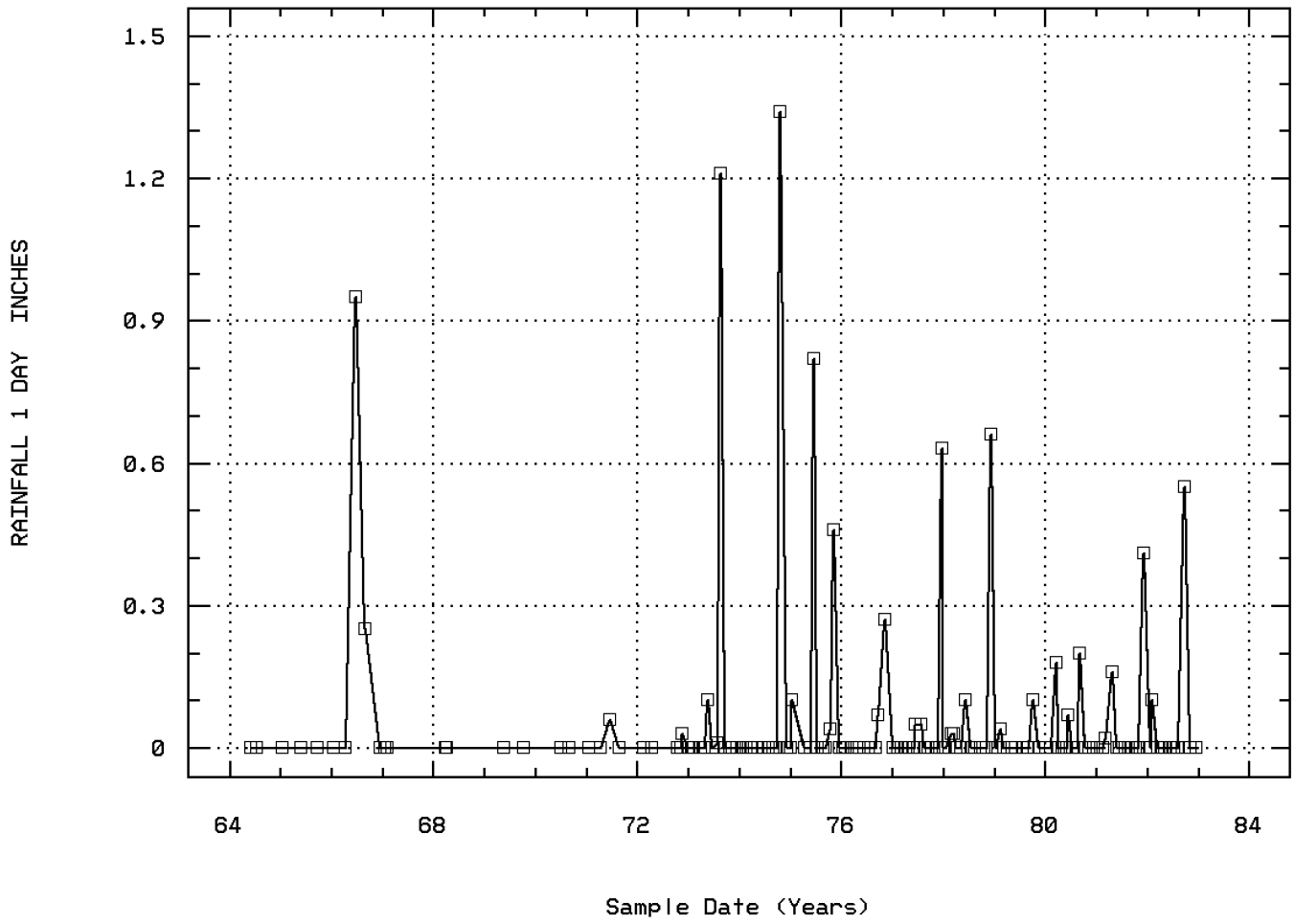
EPA Water Quality Criteria Analysis for Station: COLO0094

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	105	1	0.01	29	1	0.03	39	0	0.00	37	0	0.00			

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

Station: COLO0094 Parameter Code: 82553

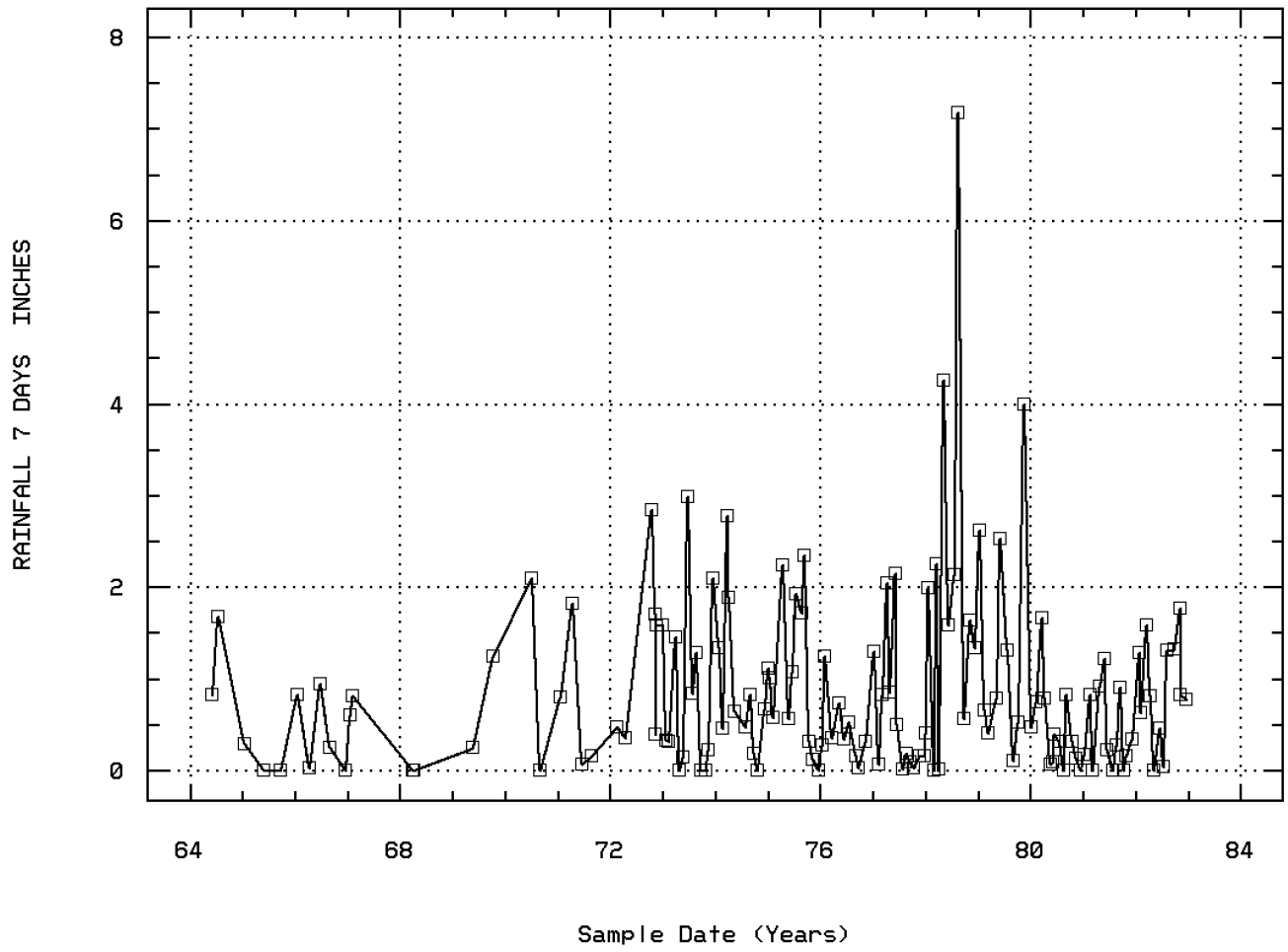
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0094 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	6.5	6.5	9.	4.	12.5	3.536	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	0.778	0.778	0.954	0.602	0.062	0.249	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3 ##	2.	2.667	4.	2.	1.333	1.155	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3 ##	0.301	0.401	0.602	0.301	0.03	0.174	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.52								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	4.	5.8	15.	2.	27.2	5.215	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5	0.602	0.657	1.176	0.301	0.101	0.318	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.536								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	8.25	8.25	15.	1.5	91.125	9.546	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.676	0.676	1.176	0.176	0.5	0.707	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.743								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	5.25	5.25	9.	1.5	28.125	5.303	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.565	0.565	0.954	0.176	0.303	0.55	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.674								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4 ##	4.25	6.	14.	1.5	35.167	5.93	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4 ##	0.511	0.586	1.146	0.176	0.239	0.489	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.853								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	9.	16.429	75.	1.5	690.536	26.278	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.954	0.845	1.875	0.176	0.358	0.598	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.996								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	1.58	1.276	2.84	0.35	0.849	0.921	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	6.5	21.542	150.	1.5	1713.657	41.396	1.5	2.125	23.	111.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.778	0.891	2.176	0.176	0.379	0.616	0.176	0.283	1.362	1.932
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.786								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.11	1.21	0.	0.121	0.348	0.	0.	0.008	0.877
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.325	0.806	2.98	0.	0.932	0.965	0.	0.035	1.415	2.716

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

Annual Analysis for 1974 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	10.955	39.	1.5	159.223	12.618	1.5	1.5	23.	35.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.721	1.591	0.176	0.334	0.578	0.176	0.176	1.362	1.545
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.256								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	7.	16.727	43.	1.5	329.718	18.158	1.5	1.5	43.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.845	0.872	1.633	0.176	0.408	0.639	0.176	0.176	1.633	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.444								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	4.	9.	1.5	7.5	2.739	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.511	0.954	0.176	0.088	0.297	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.245								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.	0.034	0.27	0.	0.007	0.086	0.	0.	0.018	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.35	0.528	1.3	0.03	0.191	0.437	0.043	0.243	0.86	1.295

** - Less than 9 observations ## - Computed with 50% or 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 COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	4.	7.458	43.	1.5	131.475	11.466	1.5	2.125	7.75	32.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.602	0.64	1.633	0.176	0.167	0.409	0.176	0.283	0.866	1.43
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.367								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	7.5	30.75	240.	1.5	4504.295	67.114	1.5	1.5	23.	180.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.822	0.905	2.38	0.176	0.502	0.709	0.176	0.176	1.362	2.156
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.04								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	4.	18.286	93.	1.5	1108.488	33.294	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.602	0.808	1.968	0.176	0.398	0.631	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.425								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.	0.035	0.2	0.	0.005	0.072	0.	0.	0.035	0.192
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.32	0.446	1.67	0.	0.222	0.471	0.	0.075	0.77	1.33

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

Annual Analysis for 1981 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

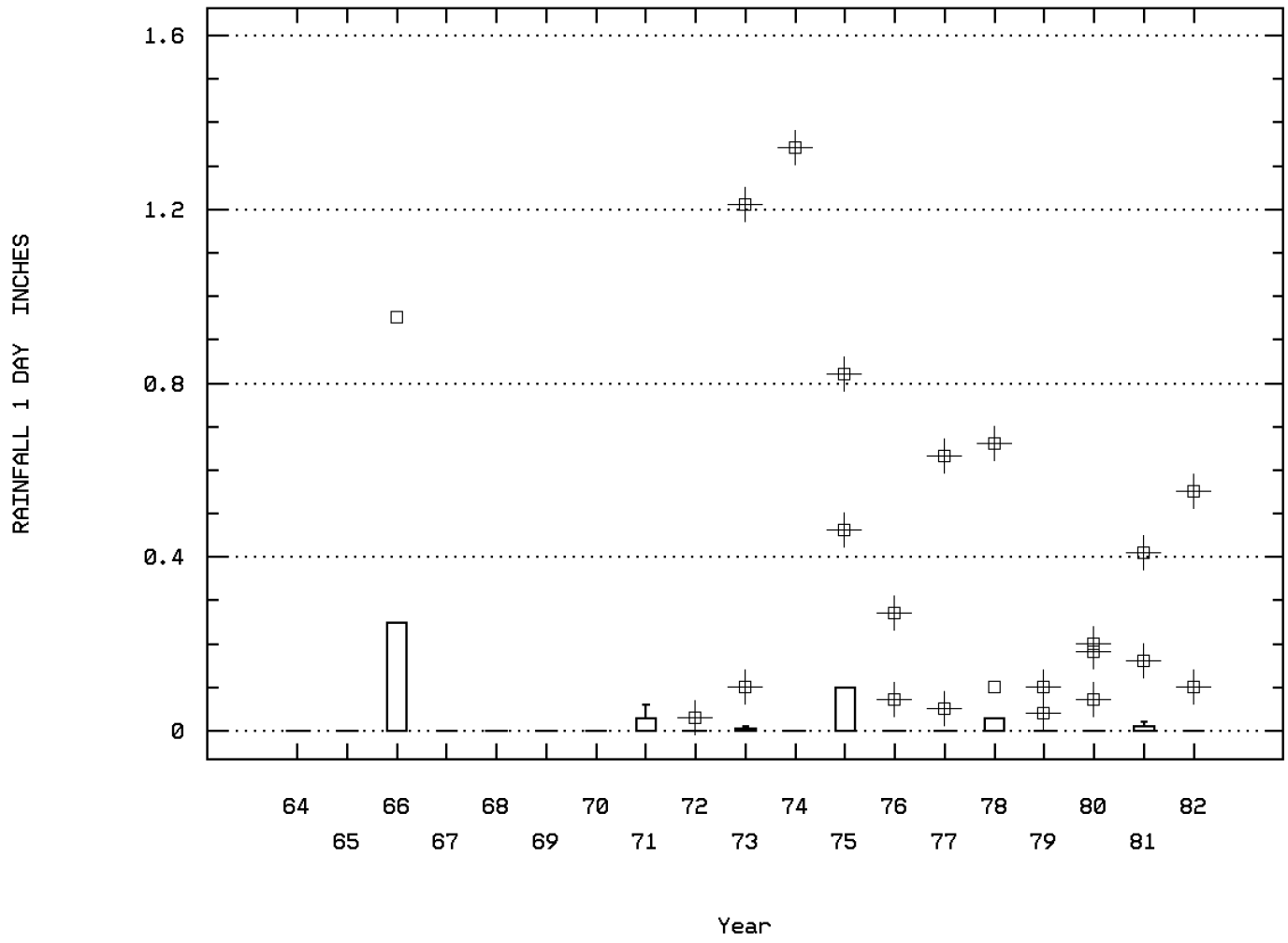
Annual Analysis for 1982 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Station: COL00094 Parameter Code: 82553

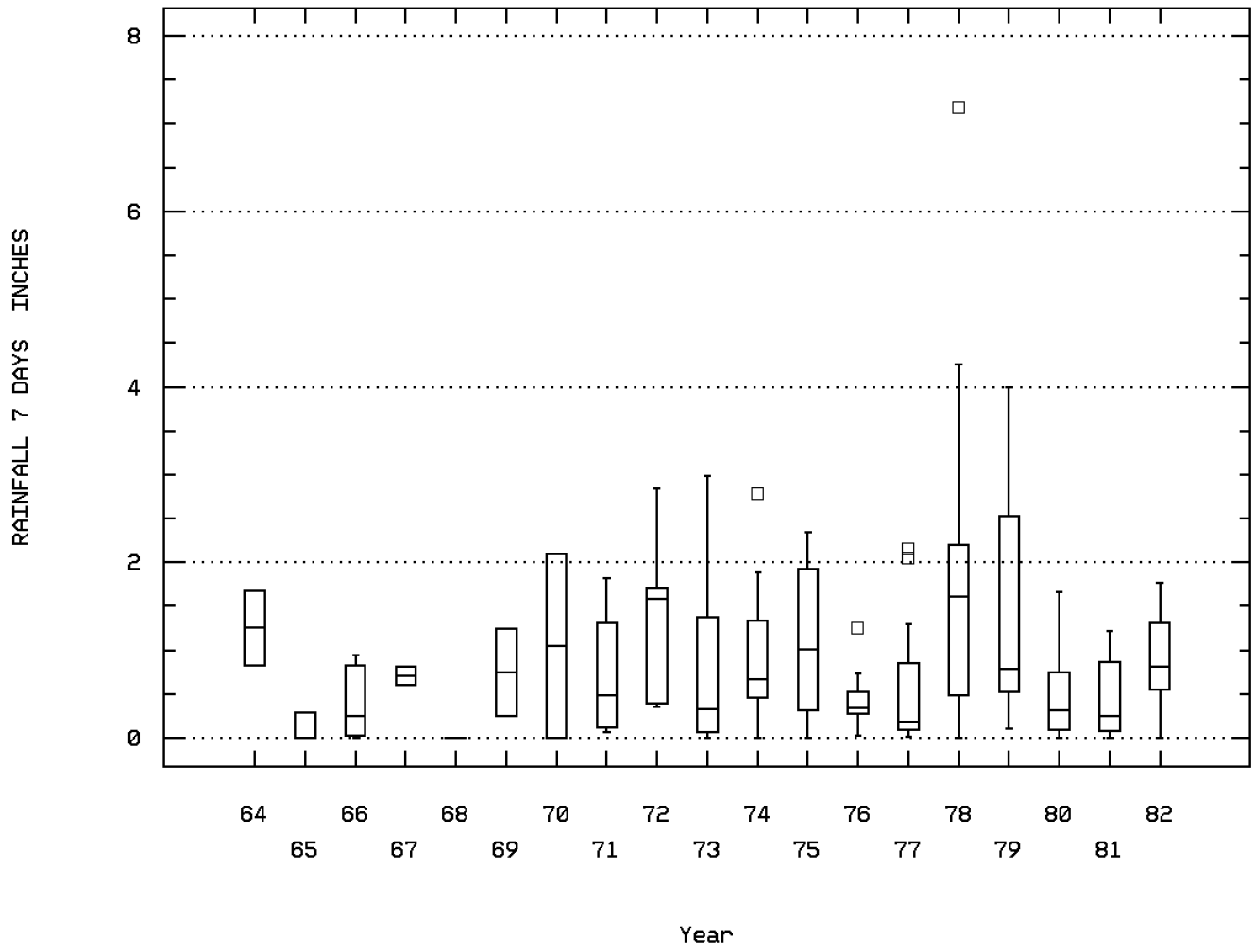
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00094 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29	4.	20.207	240.	1.5	2588.509	50.877	1.5	1.5	9.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29	0.602	0.719	2.38	0.176	0.371	0.609	0.176	0.176	0.954	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.235								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.	0.06	1.21	0.	0.043	0.208	0.	0.	0.	0.18
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.32	0.835	7.18	0.	1.589	1.261	0.	0.065	1.295	2.098

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	4.	10.154	75.	1.5	228.476	15.115	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	0.602	0.696	1.875	0.176	0.241	0.491	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.963								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.	0.096	1.34	0.	0.07	0.264	0.	0.	0.	0.44
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.6	0.785	4.	0.	0.601	0.775	0.	0.195	1.265	1.742

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	4.	11.851	93.	1.5	298.998	17.292	1.5	1.5	15.	27.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	0.602	0.767	1.968	0.176	0.266	0.516	0.176	0.176	1.176	1.416
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.854								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	49	0.	0.052	0.95	0.	0.032	0.179	0.	0.	0.	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	49	0.79	0.98	4.26	0.	0.94	0.969	0.	0.18	1.63	2.25

** - 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 Inventory for Station: COLO0095

NPS Station ID: COLO0095
Location: 56F 14
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206001610.54
Description:

LAT/LON: 37.221115/ -76.785281
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 11.26

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371316076472701
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 2.00
Distance from RF3: 0.26

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-08/02/77	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-08/02/77	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/77-08/02/77	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/77-08/02/77	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/77-08/02/77	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/02/77-08/02/77	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	1	270.	270.	270.	270.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-08/02/77	1	330.	330.	330.	330.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-08/02/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-08/02/77	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-08/02/77	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-08/02/77	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-08/02/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-08/02/77	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/02/77-08/02/77	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/02/77-08/02/77	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-08/02/77	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-08/02/77	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-08/02/77	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-08/02/77	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-08/02/77	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-08/02/77	1	70.	70.	70.	70.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-08/02/77	1	371.	371.	371.	371.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-08/02/77	1	381.	381.	381.	381.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-08/02/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-08/02/77	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	1	370.	370.	370.	370.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	1	360.	360.	360.	360.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	1	370.	370.	370.	370.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: COLO0096

NPS Station ID: COLO0096 LAT/LON: 37.221670/ -76.478059 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05213A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 5.080 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 2.50 Distance from RF3: 0.43 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	105	4.	5.938	43.	1.5	75.446	8.686	1.5	1.5	4.	9.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	105	0.602	0.549	1.633	0.176	0.152	0.39	0.176	0.176	0.602	0.954
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.542								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	38 ##	1.5	6.2	93.	1.5	255.541	15.986	1.5	1.5	3.6	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	38 ##	0.176	0.439	1.968	0.176	0.165	0.406	0.176	0.176	0.556	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.747								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	142	0.	0.067	1.34	0.	0.048	0.218	0.	0.	0.	0.142
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	142	0.57	0.863	7.18	0.	0.998	0.999	0.	0.16	1.303	2.1

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

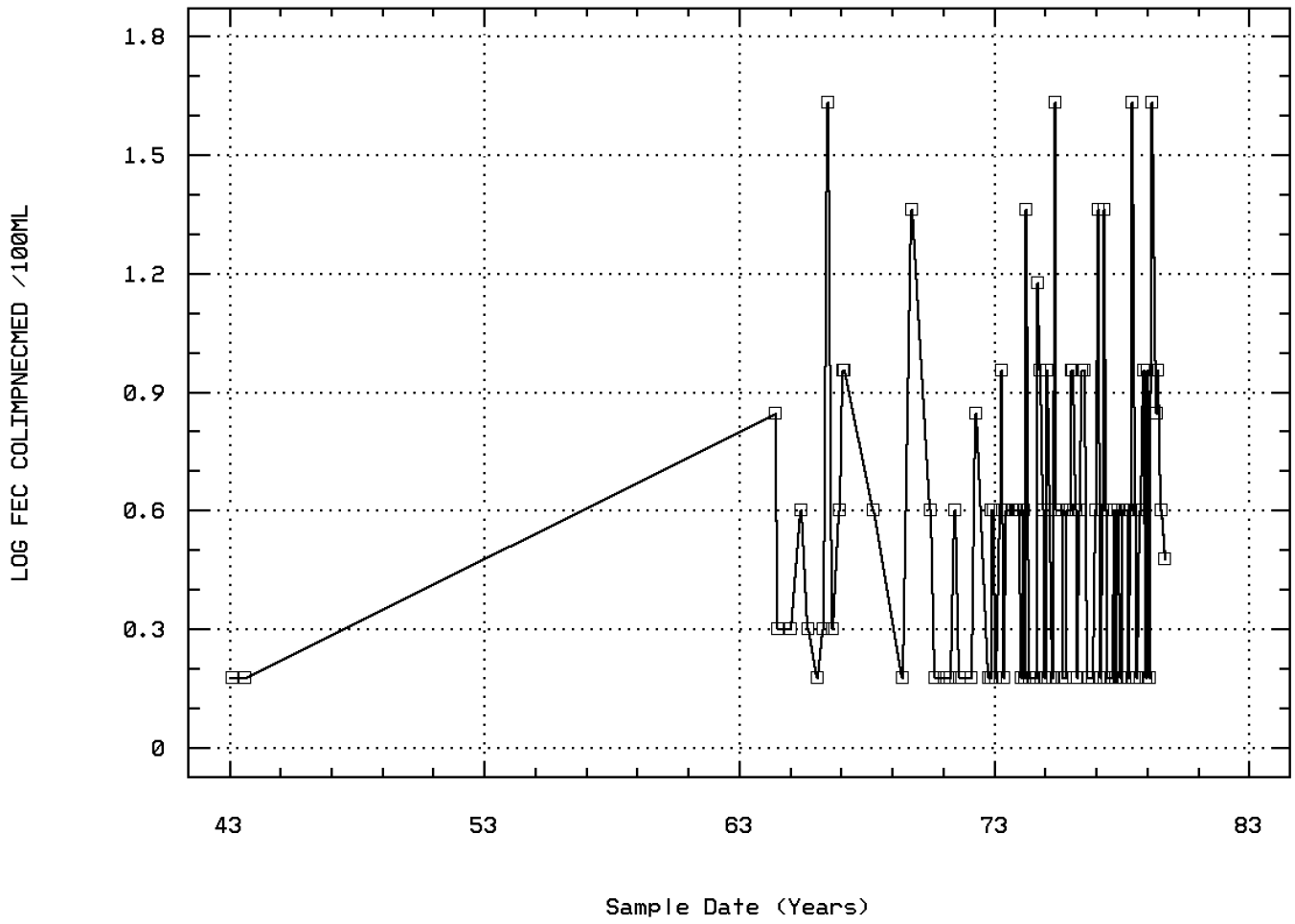
EPA Water Quality Criteria Analysis for Station: COLO0096

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	105	0	0.00	29	0	0.00	39	0	0.00	37	0	0.00			

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

Station: COLO0096 Parameter Code: 31615

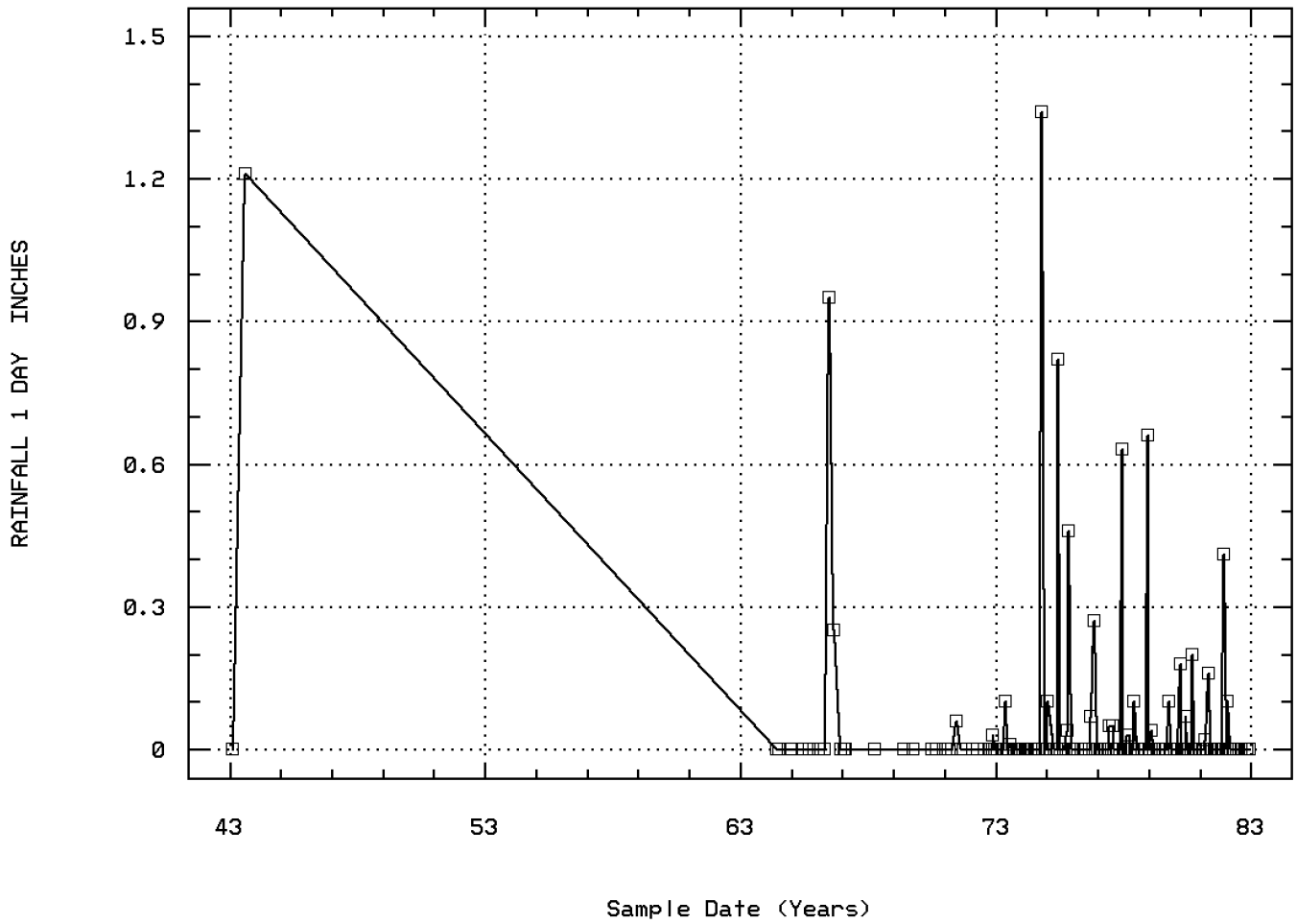
LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00096 Parameter Code: 82553

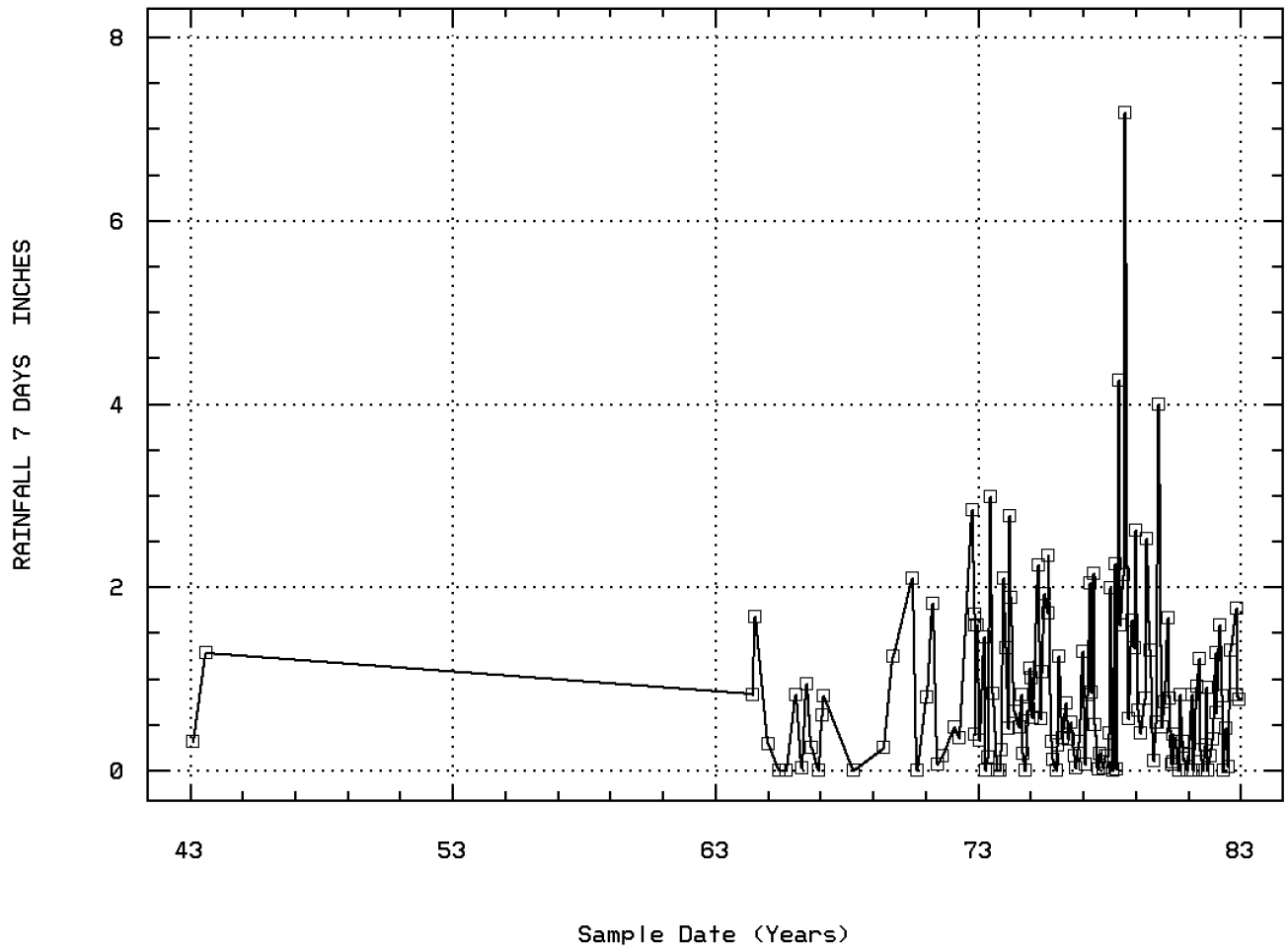
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00096 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1943 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.605	0.605	1.21	0.	0.732	0.856	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.8	0.8	1.28	0.32	0.461	0.679	**	**	**	**

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

Annual Analysis for 1964 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	4.5	4.5	7.	2.	12.5	3.536	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.573	0.573	0.845	0.301	0.148	0.385	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.742								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	3 ##	2.	2.667	4.	2.	1.333	1.155	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	3 ##	0.301	0.401	0.602	0.301	0.03	0.174	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.52								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	5 ##	2.	10.5	43.	1.5	331.	18.193	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	5 ##	0.301	0.603	1.633	0.176	0.357	0.597	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.006								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	12.25	12.25	23.	1.5	231.125	15.203	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.769	0.769	1.362	0.176	0.703	0.838	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.874								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	4 ##	1.5	2.125	4.	1.5	1.563	1.25	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	4 ##	0.176	0.283	0.602	0.176	0.045	0.213	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.917								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	7 ##	1.5	3.	7.	1.5	4.5	2.121	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	7 ##	0.176	0.393	0.845	0.176	0.08	0.283	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.474								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	7	1.58	1.276	2.84	0.35	0.849	0.921	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	10	4.	4.	9.	1.5	4.167	2.041	1.5	3.375	4.	8.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	10	0.602	0.552	0.954	0.176	0.051	0.227	0.176	0.496	0.602	0.919
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.565								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	10	0.	0.011	0.1	0.	0.001	0.031	0.	0.	0.003	0.091
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	10	0.275	0.807	2.98	0.	1.088	1.043	0.	0.	1.62	2.892

** - Less than 9 observations ## - Computed with 50% or 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 COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11 ##	1.5	5.818	23.	1.5	50.814	7.128	1.5	1.5	9.	21.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11 ##	0.176	0.523	1.362	0.176	0.205	0.453	0.176	0.176	0.954	1.325
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.334								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11	4.	7.091	43.	1.5	146.591	12.107	1.5	1.5	4.	36.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11	0.602	0.573	1.633	0.176	0.19	0.436	0.176	0.176	0.602	1.498
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.741								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11	4.	4.909	9.	1.5	11.591	3.405	1.5	1.5	9.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11	0.602	0.575	0.954	0.176	0.121	0.348	0.176	0.176	0.954	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.76								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	10	0.	0.034	0.27	0.	0.007	0.086	0.	0.	0.018	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	10	0.35	0.528	1.3	0.03	0.191	0.437	0.043	0.243	0.86	1.295

** - Less than 9 observations ## - Computed with 50% or 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 COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	12 ##	2.75	5.917	23.	1.5	65.038	8.065	1.5	1.5	4.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	12 ##	0.389	0.516	1.362	0.176	0.196	0.442	0.176	0.176	0.602	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.279								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	12	4.	6.833	43.	1.5	134.061	11.578	1.5	1.5	4.	32.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	12	0.602	0.575	1.633	0.176	0.173	0.416	0.176	0.176	0.602	1.43
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.762								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	7	7.	10.929	43.	1.5	208.536	14.441	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	7	0.845	0.806	1.633	0.176	0.213	0.461	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.398								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	13	0.	0.035	0.2	0.	0.005	0.072	0.	0.	0.035	0.192
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	13	0.32	0.446	1.67	0.	0.222	0.471	0.	0.075	0.77	1.33

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

Annual Analysis for 1981 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

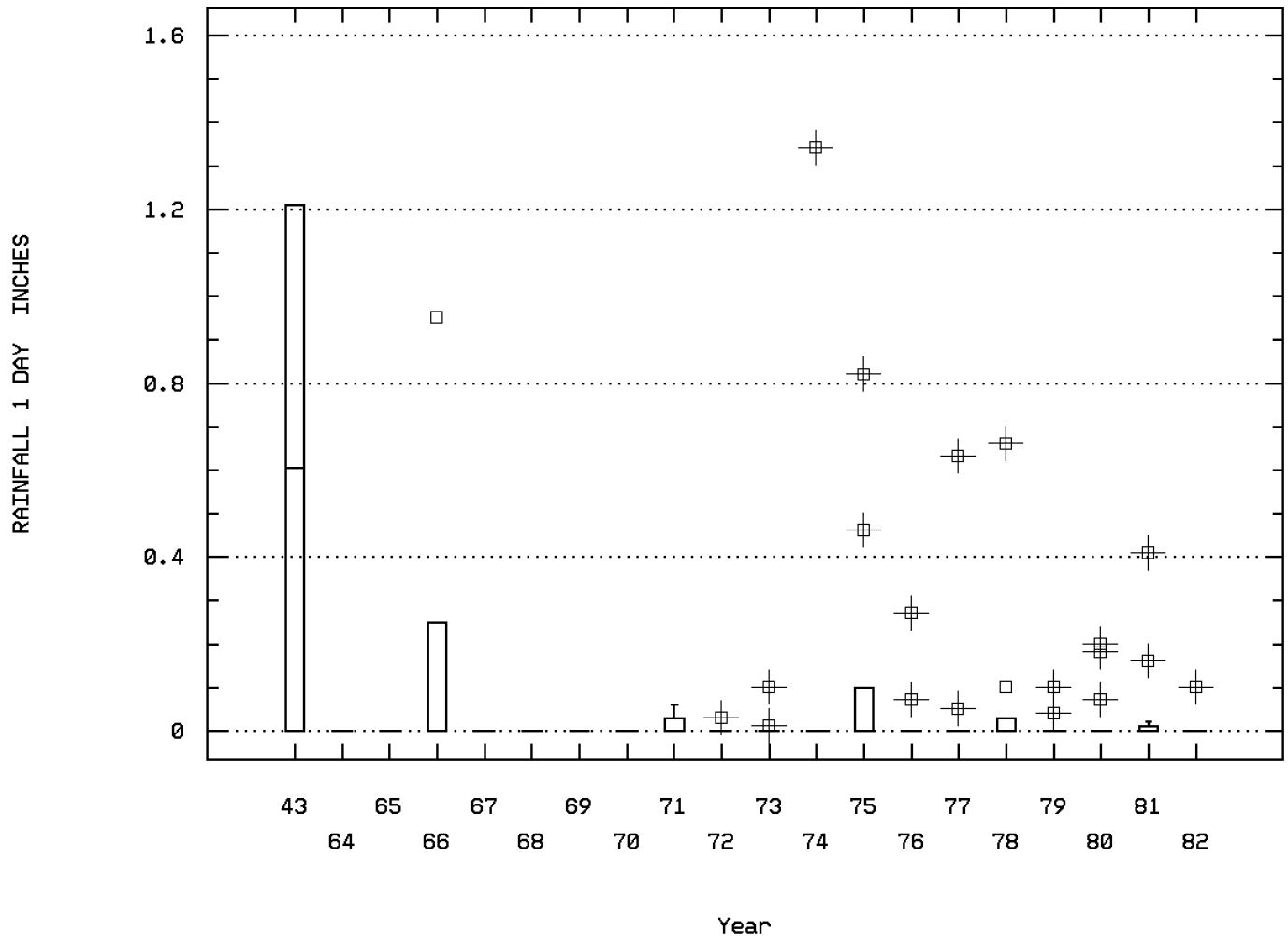
Annual Analysis for 1982 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.	0.009	0.1	0.	0.001	0.03	0.	0.	0.	0.08
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.81	0.863	1.77	0.	0.338	0.581	0.008	0.46	1.31	1.734

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

Station: COL00096 Parameter Code: 82553

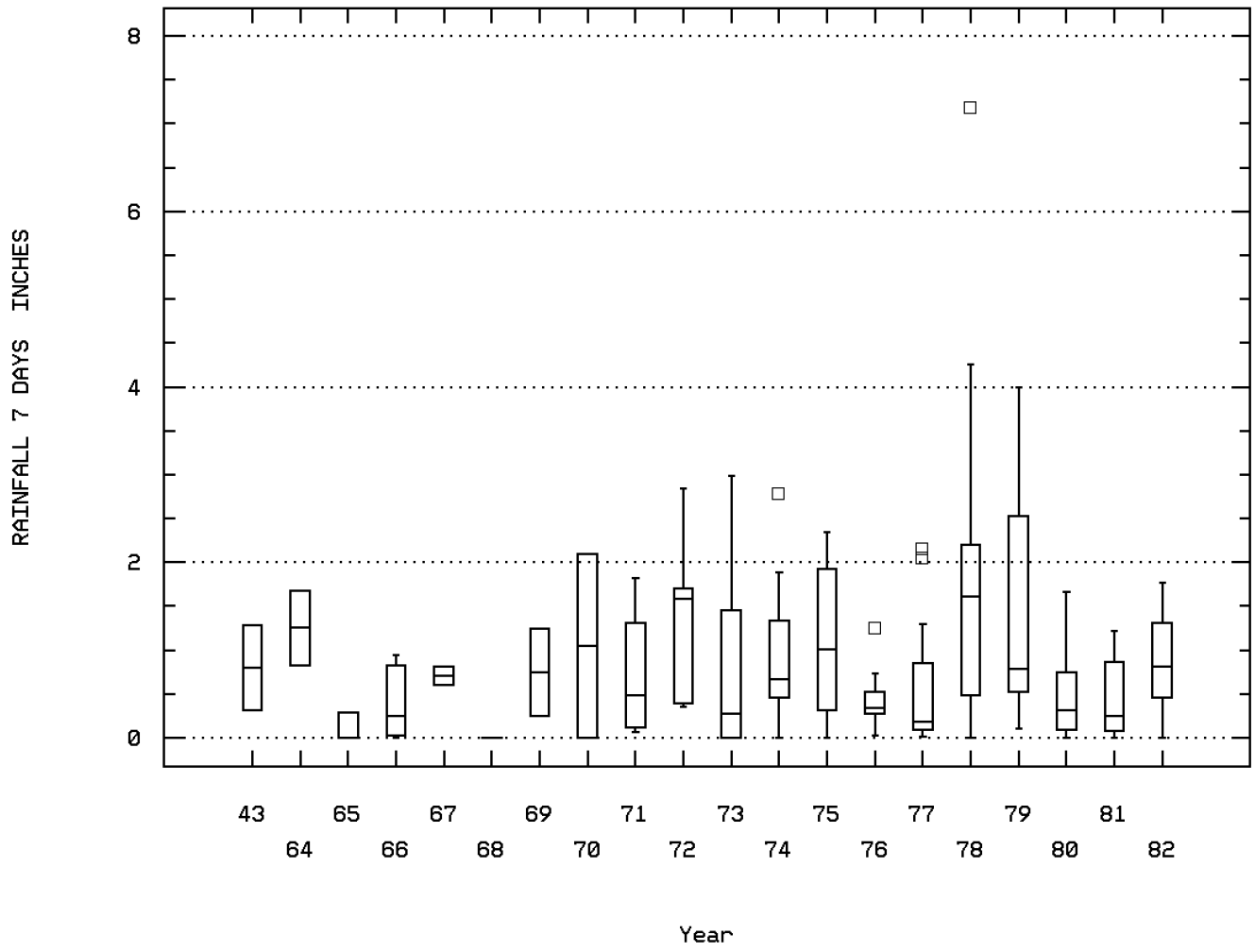
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0096 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	29 ##	2.	3.759	23.	1.5	21.636	4.651	1.5	1.5	4.	9.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	29 ##	0.301	0.419	1.362	0.176	0.103	0.321	0.176	0.176	0.602	0.954
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.625								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	40	0.	0.048	1.21	0.	0.038	0.196	0.	0.	0.	0.097
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	40	0.315	0.823	7.18	0.	1.624	1.274	0.	0.053	1.273	2.119

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	39	4.	4.5	23.	1.5	17.079	4.133	1.5	1.5	4.	9.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	39	0.602	0.522	1.362	0.176	0.109	0.33	0.176	0.176	0.602	0.954
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.328								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	53	0.	0.096	1.34	0.	0.07	0.264	0.	0.	0.	0.44
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	53	0.6	0.785	4.	0.	0.601	0.775	0.	0.195	1.265	1.742

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

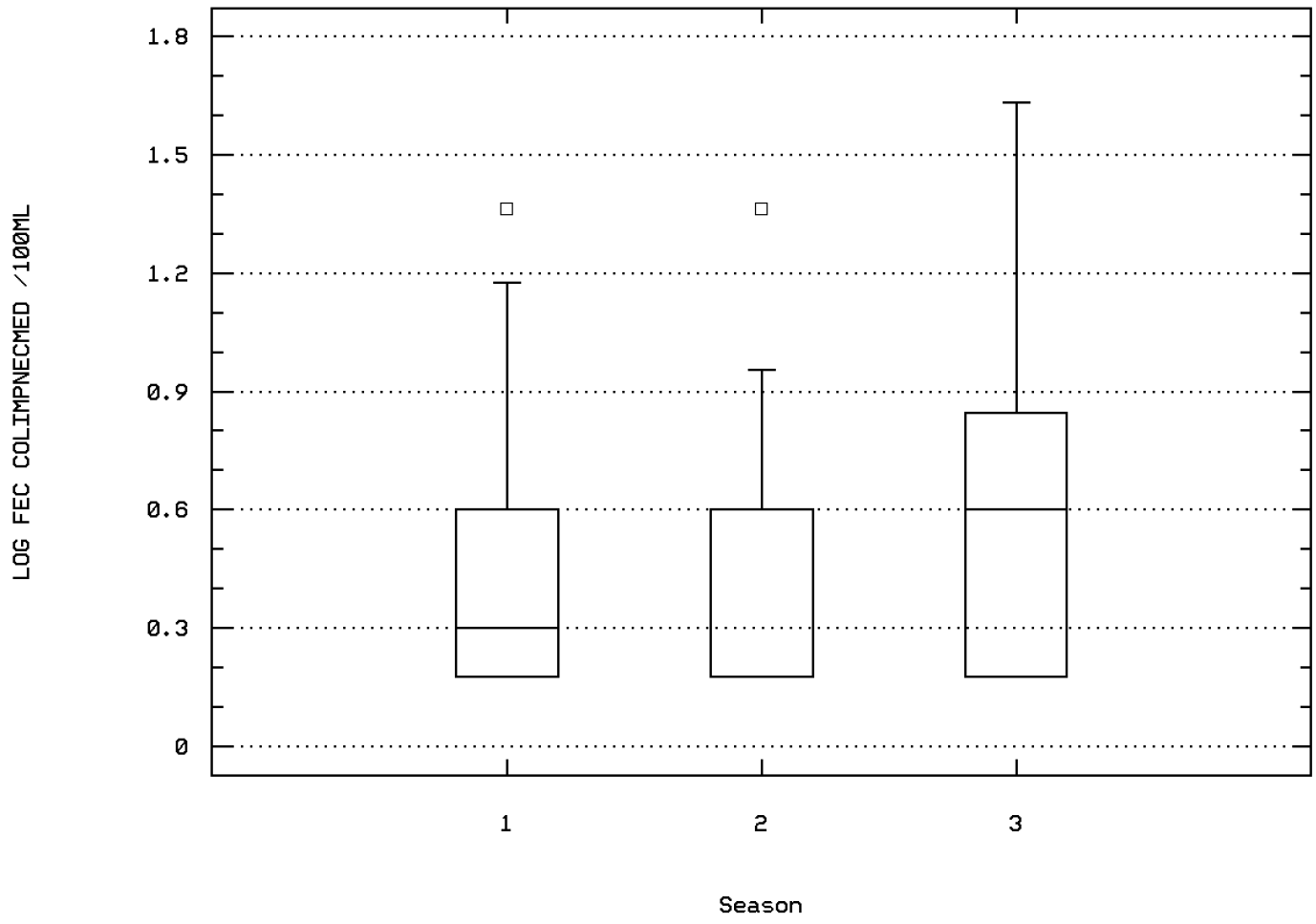
Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	37	4.	9.162	43.	1.5	166.348	12.898	1.5	1.5	8.	43.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	37	0.602	0.68	1.633	0.176	0.212	0.461	0.176	0.176	0.9	1.633
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.782								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	49	0.	0.052	0.95	0.	0.032	0.179	0.	0.	0.	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	49	0.79	0.98	4.26	0.	0.94	0.969	0.	0.18	1.63	2.25

** - 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: COLO0096 Parameter Code: 31615

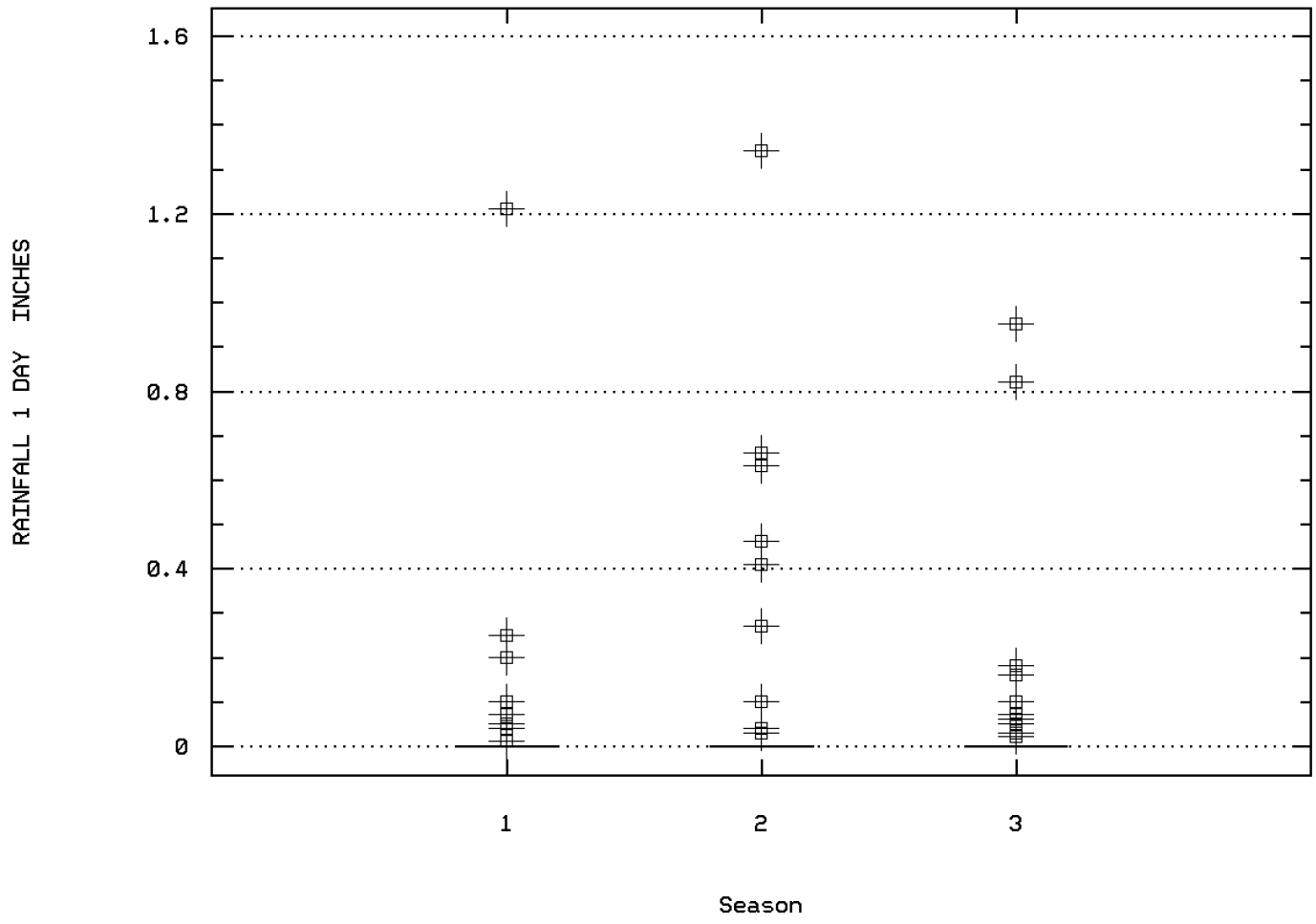
LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0096 Parameter Code: 82553

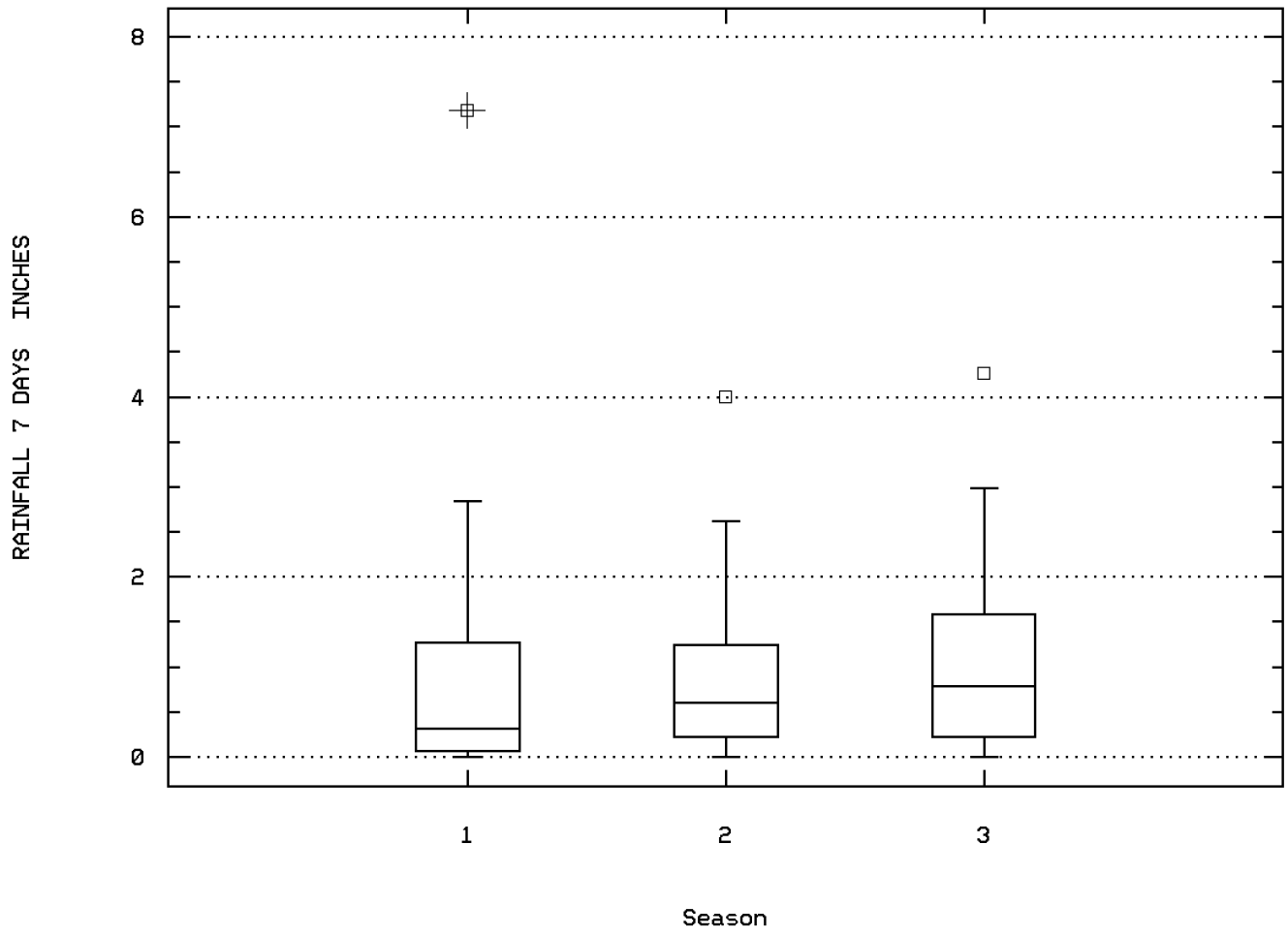
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0096 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station Inventory for Station: COLO0097

NPS Station ID: COLO0097 LAT/LON: 37.223059/ -76.471671 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05213
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 4.290 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	106	4.	8.231	150.	1.5	380.944	19.518	1.5	1.5	4.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	106	0.602	0.561	2.176	0.176	0.201	0.449	0.176	0.176	0.646	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.638								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	41 ##	1.5	8.602	93.	1.5	409.299	20.231	1.5	1.5	3.6	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	41 ##	0.176	0.485	1.968	0.176	0.249	0.499	0.176	0.176	0.556	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.053								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	146	0.	0.07	1.34	0.	0.048	0.219	0.	0.	0.	0.166
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	146	0.59	0.886	7.18	0.	0.994	0.997	0.	0.16	1.323	2.112

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

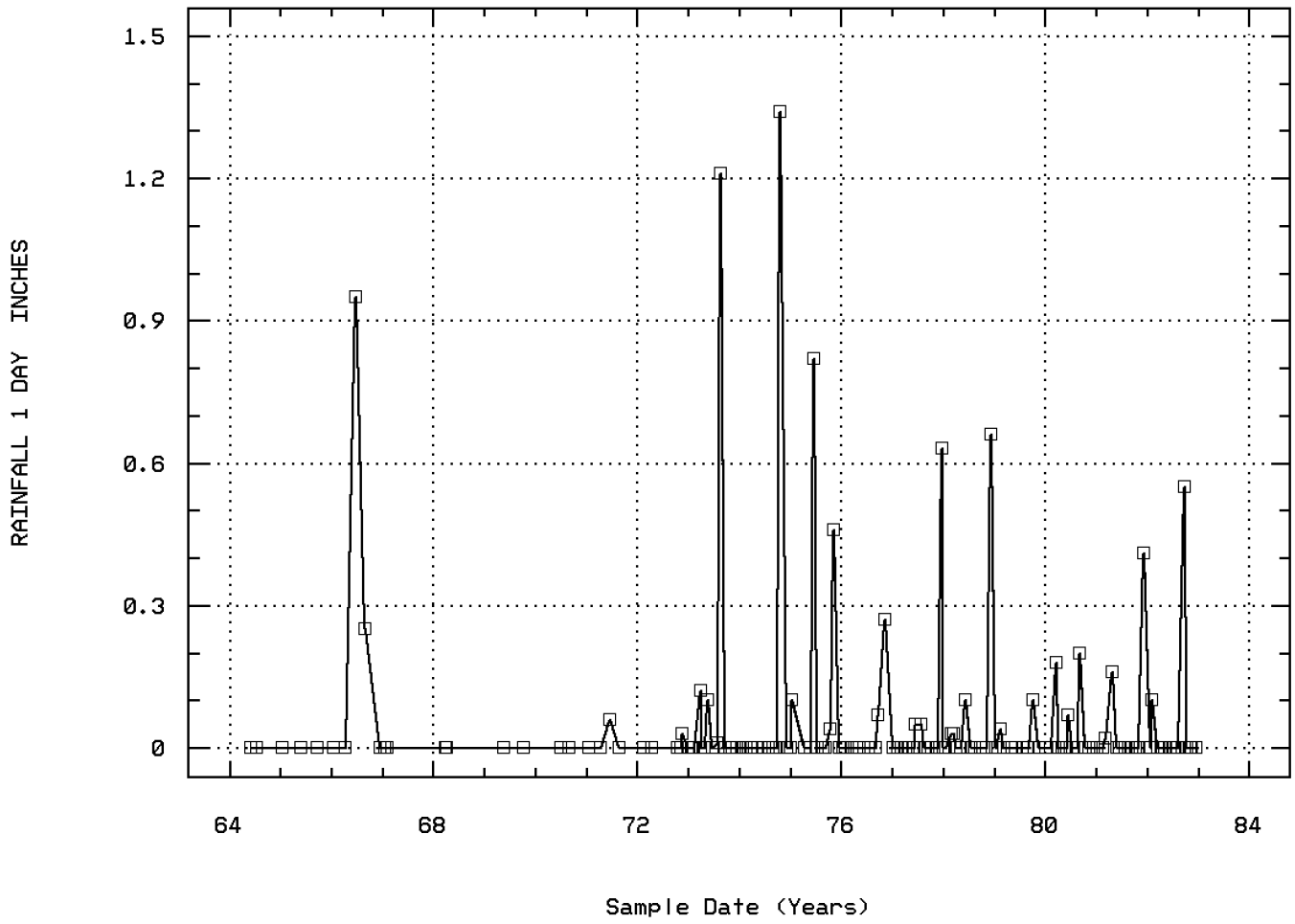
EPA Water Quality Criteria Analysis for Station: COLO0097

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	106	0	0.00	29	0	0.00	39	0	0.00	38	0	0.00			

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

Station: COL00097 Parameter Code: 82553

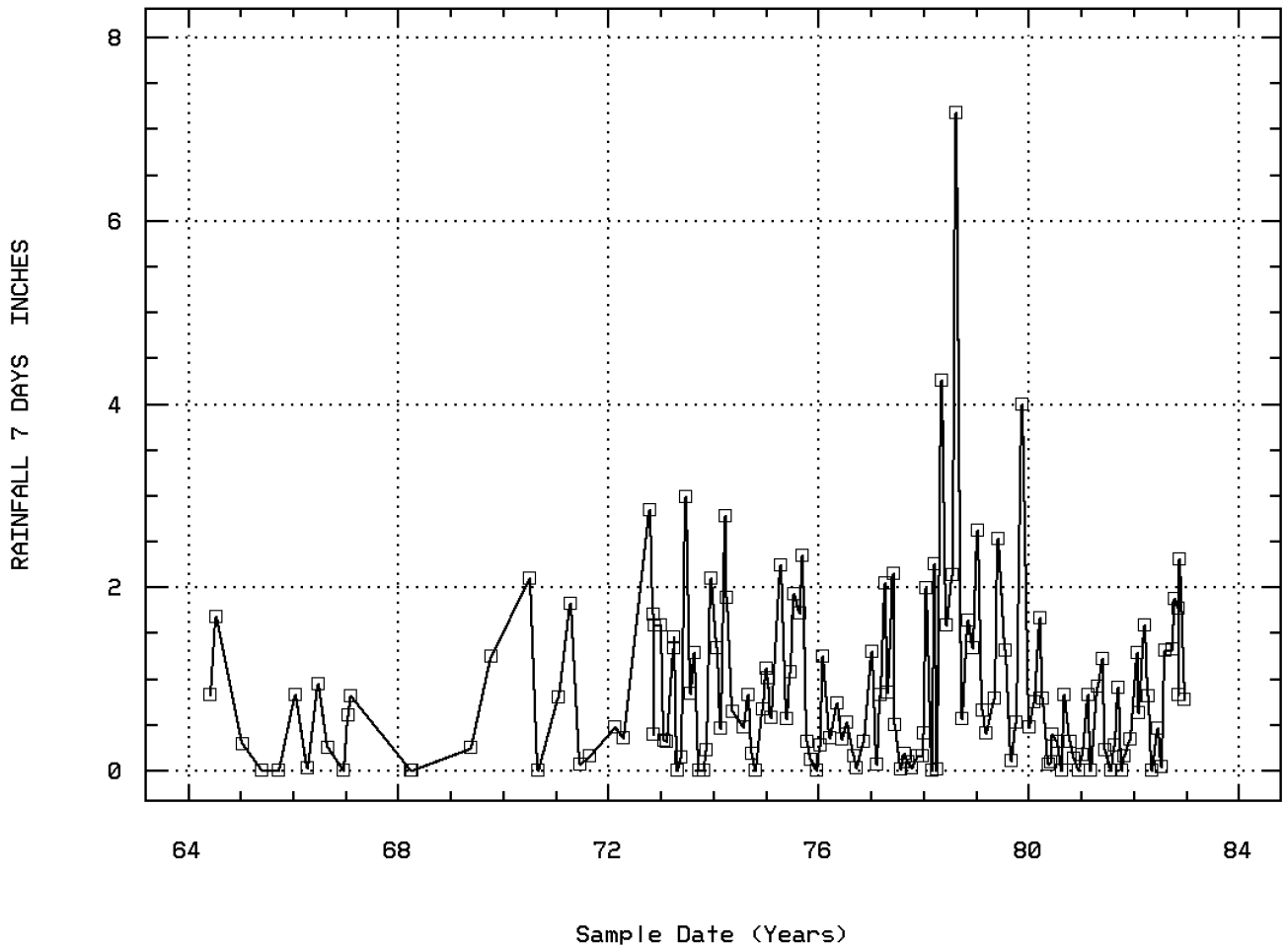
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00097 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3	4.	4.333	7.	2.	6.333	2.517	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3	0.602	0.583	0.845	0.301	0.074	0.273	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.826								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5 ##	2.	4.6	9.	1.5	16.175	4.022	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5 ##	0.301	0.512	0.954	0.176	0.165	0.407	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.253								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.25	2.25	3.	1.5	1.125	1.061	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.327	0.327	0.477	0.176	0.045	0.213	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.121								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4	6.	9.125	23.	1.5	96.063	9.801	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4	0.716	0.742	1.362	0.176	0.273	0.523	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.525								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7 ##	1.5	3.286	9.	1.5	7.738	2.782	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7 ##	0.176	0.409	0.954	0.176	0.098	0.313	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.564								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	1.58	1.276	2.84	0.35	0.849	0.921	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	13	4.	5.5	23.	1.5	35.167	5.93	1.5	1.5	8.	17.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	13	0.602	0.57	1.362	0.176	0.148	0.385	0.176	0.176	0.9	1.199
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.711								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.	0.111	1.21	0.	0.111	0.333	0.	0.	0.055	0.774
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.33	0.847	2.98	0.	0.876	0.936	0.	0.07	1.4	2.628

** - Less than 9 observations ## - Computed with 50% or 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 COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	4.727	23.	1.5	38.118	6.174	1.5	1.5	4.	19.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.505	1.362	0.176	0.121	0.349	0.176	0.176	0.602	1.21
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.198								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	15.045	93.	1.5	732.373	27.062	1.5	1.5	23.	79.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.764	1.968	0.176	0.331	0.575	0.176	0.176	1.362	1.847
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.811								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	3.	4.227	15.	1.5	17.768	4.215	1.5	1.5	4.	13.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.477	0.481	1.176	0.176	0.122	0.349	0.176	0.176	0.602	1.132
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.029								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.	0.034	0.27	0.	0.007	0.086	0.	0.	0.018	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.35	0.528	1.3	0.03	0.191	0.437	0.043	0.243	0.86	1.295

** - Less than 9 observations ## - Computed with 50% or 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 COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	2.75	7.167	23.	1.5	64.924	8.058	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	0.389	0.604	1.362	0.176	0.238	0.488	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.015								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	2.75	18.167	150.	1.5	1860.561	43.134	1.5	1.5	4.	117.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	0.389	0.606	2.176	0.176	0.421	0.649	0.176	0.176	0.602	2.013
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.038								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	4.	16.071	93.	1.5	1154.786	33.982	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.602	0.649	1.968	0.176	0.409	0.64	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.461								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.	0.035	0.2	0.	0.005	0.072	0.	0.	0.035	0.192
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.32	0.446	1.67	0.	0.222	0.471	0.	0.075	0.77	1.33

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

Annual Analysis for 1981 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

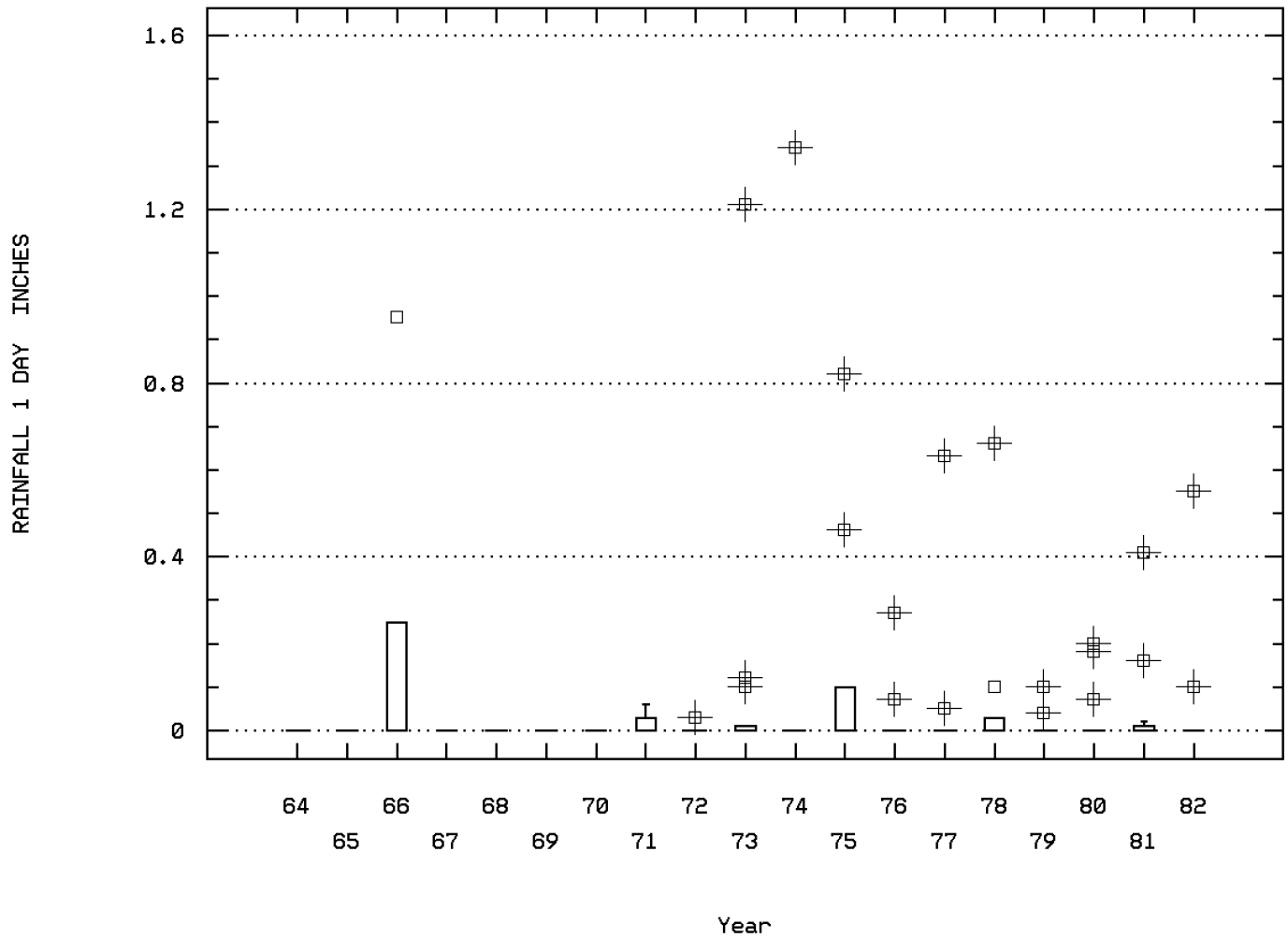
Annual Analysis for 1982 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.046	0.55	0.	0.022	0.147	0.	0.	0.	0.325
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	1.05	1.07	2.3	0.	0.466	0.683	0.02	0.588	1.635	2.085

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

Station: COL00097 Parameter Code: 82553

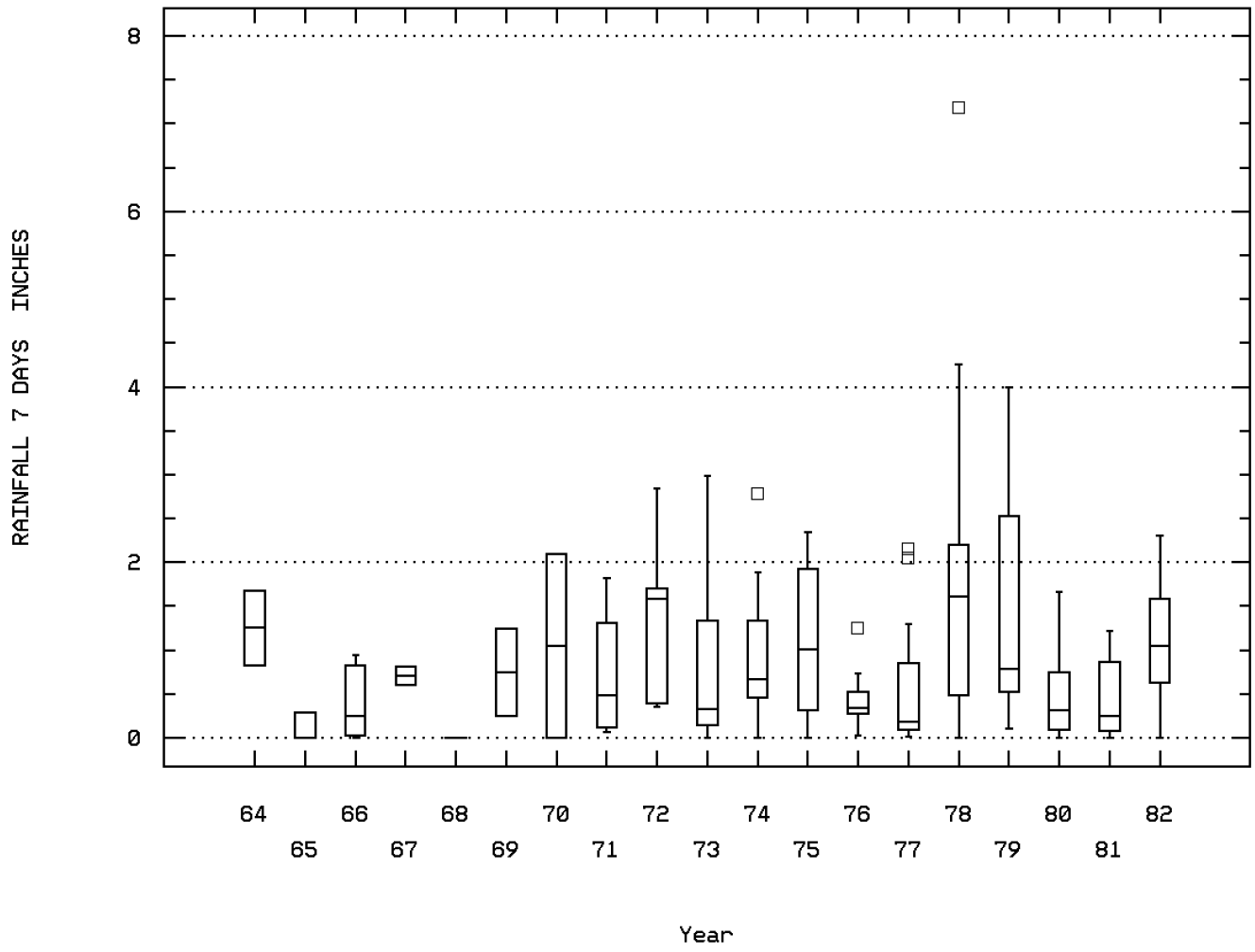
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00097 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29 ##	2.	5.414	43.	1.5	71.769	8.472	1.5	1.5	5.5	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29 ##	0.301	0.497	1.633	0.176	0.159	0.399	0.176	0.176	0.724	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.138								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	42	0.	0.059	1.21	0.	0.042	0.206	0.	0.	0.	0.17
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	42	0.395	0.86	7.18	0.	1.576	1.255	0.	0.078	1.31	2.077

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	4.	7.423	93.	1.5	233.56	15.283	1.5	1.5	4.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	0.602	0.557	1.968	0.176	0.196	0.443	0.176	0.176	0.602	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.61								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	54	0.	0.094	1.34	0.	0.068	0.262	0.	0.	0.	0.435
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	54	0.615	0.813	4.	0.	0.632	0.795	0.	0.208	1.285	1.88

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	38	4.	11.211	150.	1.5	770.846	27.764	1.5	1.5	6.25	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	38	0.602	0.613	2.176	0.176	0.244	0.494	0.176	0.176	0.795	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.106								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	50	0.	0.053	0.95	0.	0.031	0.177	0.	0.	0.005	0.118
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	50	0.79	0.987	4.26	0.	0.923	0.961	0.	0.2	1.61	2.249

** - Less than 9 observations ## - Computed 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: COLO0098

NPS Station ID: COLO0098
Location: 56F 13
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206002100.01
Description:

LAT/LON: 37.223615/ -76.785281
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371325076470701
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.80
Distance from RF3: 0.06

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/71-01/27/78	3	19.	19.333	21.5	17.5	4.083	2.021	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/01/71-01/27/78	3	0.	3.333	10.	0.	33.333	5.774	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/71-01/27/78	3	535.	550.	615.	500.	3475.	58.949	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/71-01/27/78	3	8.	7.733	8.5	6.7	0.863	0.929	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/71-01/27/78	3	8.	7.149	8.5	6.7	1.375	1.173	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/71-01/27/78	3	0.01	0.071	0.2	0.003	0.012	0.111	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/01/71-01/27/78	2	3.35	3.35	5.	1.7	5.445	2.333	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/71-01/27/78	3	280.	272.333	280.	257.	176.333	13.279	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/01/71-01/27/78	3	340.	331.	340.	313.	243.	15.588	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/01/71-01/27/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-01/27/78	2 ##	0.043	0.043	0.08	0.005	0.003	0.053	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-01/27/78	2	0.025	0.025	0.04	0.01	0.	0.021	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-01/27/78	2	0.055	0.055	0.1	0.01	0.004	0.064	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/01/71-01/27/78	3	1.3	1.233	1.3	1.1	0.013	0.115	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-01/27/78	2	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/27/78-01/27/78	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	01/27/78-01/27/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	01/27/78-01/27/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/71-01/27/78	3	3.	3.	4.	2.	1.	1.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/01/71-01/27/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/71-01/27/78	3	1.	0.967	1.1	0.8	0.023	0.153	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/71-01/27/78	3	0.2	0.233	0.4	0.1	0.023	0.153	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/71-01/27/78	3	140.	133.333	140.	120.	133.333	11.547	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/01/71-01/27/78	3	33.	32.333	39.	25.	49.333	7.024	**	**	**	**
00932	SODIUM, PERCENT	07/01/71-01/27/78	3	97.	96.333	97.	95.	1.333	1.155	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/71-01/27/78	3	5.2	5.667	7.1	4.7	1.603	1.266	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/01/71-01/27/78	3	12.	9.667	13.	4.	24.333	4.933	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/71-01/27/78	3	7.	7.	8.	6.	1.	1.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/01/71-01/27/78	3	3.2	3.2	3.4	3.	0.04	0.2	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/01/71-01/27/78	3	23.	22.667	23.	22.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-01/27/78	2	40.	40.	60.	20.	800.	28.284	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/01/71-01/27/78	3	333.	336.667	355.	322.	282.333	16.803	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/01/71-01/27/78	3	360.	347.	362.	319.	589.	24.269	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-01/27/78	2	0.465	0.465	0.48	0.45	0.	0.021	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/01/71-07/01/71	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-01/27/78	2	0.1	0.1	0.2	0.	0.02	0.141	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-01/27/78	2	0.13	0.13	0.26	0.	0.034	0.184	**	**	**	**
71885	IRON (UG/L AS FE)	07/01/71-07/01/71	1	30.	30.	30.	30.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	1	343.	343.	343.	343.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	07/01/71-01/27/78	3	309.	309.	309.	309.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	07/01/71-01/27/78	3	336.	336.	336.	336.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0098

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	3	0	0.00	2	0	0.00	1	0	0.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: COLO0099

NPS Station ID: COLO0099 LAT/LON: 37.224170/ -76.777505 Agency: 21VASWCB Date Created: 08/29/92
Location: COLONIAL PARKWAY BRIDGE (JAMES CITY COUNTY) FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2-POW000.60
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 2-JAMES ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080206175500.00 RF3 Mile Point: 11.51 Distance from RF3: 0.06 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2- JAMES REGION: 5 TIDEWATER
RIVER: POWHATAN CREEK SECTION: 01 TOPO MAP #: 0156 TOPO MAP NAME: SURRY, VA

Parameter Inventory for Station: COLO0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/92-08/25/93	10	15.85	17.01	30.5	6.	93.112	9.649	6.03	7.575	27.5	30.2
00080	COLOR (PLATINUM-COBALT UNITS)	11/05/92-03/03/93	3	67.	74.333	98.	58.	440.333	20.984	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/05/92-08/25/93	10	240.	1642.5	9000.	115.	8114495.833	2848.595	117.5	162.5	2187.5	8495.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/92-07/13/93	8	300.	1085.125	4950.	139.	2679056.411	1636.782	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	11/05/92-08/25/93	10	0.	1.	5.	0.	2.889	1.7	0.	0.	1.5	4.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/05/92-08/25/93	10	9.1	9.22	12.5	5.9	5.362	2.316	5.98	6.775	11.5	12.4
00310	BOD, 5 DAY, 20 DEG C MG/L	11/05/92-07/13/93	8	2.	2.25	3.	1.	0.5	0.707	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/05/92-04/14/93	5	18.	18.4	23.	14.	16.3	4.037	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/92-08/25/93	10	7.785	7.882	8.81	7.1	0.31	0.557	7.114	7.45	8.36	8.78
00400	CONVERTED PH (STANDARD UNITS)	11/05/92-08/25/93	10	7.78	7.616	8.81	7.1	0.389	0.624	7.114	7.45	8.36	8.78
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/92-08/25/93	10	0.017	0.024	0.079	0.002	0.001	0.026	0.002	0.004	0.037	0.077
00403	PH, LAB, STANDARD UNITS SU	11/05/92-07/13/93	8	7.45	7.475	8.	7.1	0.085	0.292	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/92-07/13/93	8	7.447	7.399	8.	7.1	0.092	0.303	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/92-07/13/93	8	0.036	0.04	0.079	0.01	0.001	0.023	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/92-07/13/93	8	42.	42.875	57.	32.	79.268	8.903	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/05/92-07/13/93	8	210.5	654.	2880.	118.	888400.286	942.55	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/05/92-07/13/93	8	41.	133.125	620.	24.	41238.696	203.073	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/05/92-07/13/93	8	175.5	520.875	2260.	86.	547864.982	740.179	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	20.5	27.125	62.	17.	242.982	15.588	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	5.5	5.5	8.	4.	2.286	1.512	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	15.	21.625	54.	12.	211.982	14.56	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/92-08/25/93	10 ##	0.02	0.086	0.26	0.02	0.01	0.099	0.02	0.02	0.205	0.256
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	10	0.01	0.013	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.029
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	10	0.12	0.191	0.52	0.02	0.035	0.188	0.02	0.02	0.41	0.509
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/05/92-08/25/93	10	0.65	0.79	1.7	0.5	0.139	0.373	0.51	0.6	0.825	1.65
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/92-08/25/93	10	0.1	0.115	0.2	0.05	0.002	0.047	0.055	0.1	0.125	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/05/92-04/14/93	6	6.65	6.867	8.	6.2	0.415	0.644	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/92-04/14/93	5	71.	172.4	550.	44.	46293.3	215.159	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/92-07/13/93	8	50.5	297.75	1540.	14.	271037.929	520.613	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/92-07/13/93	8	21.	50.125	222.	7.	5168.696	71.894	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/05/92-04/14/93	4 ##	0.15	0.15	0.25	0.05	0.013	0.115	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/92-12/07/92	2	5.2	5.2	7.4	3.	9.68	3.111	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	68.	82.	120.	58.	1108.	33.287	**	**	**	**

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

Parameter Inventory for Station: COLO0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	1.833	1.892	2.079	1.763	0.028	0.166	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			77.93								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	2	63.	63.	68.	58.	50.	7.071	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	2	1.798	1.798	1.833	1.763	0.002	0.049	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			62.801								
32240	TANNIN AND LIGNIN (MG/L)	11/05/92-03/03/93	3	0.7	0.733	0.9	0.6	0.023	0.153	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/05/92-08/25/93	10	0.03	0.539	5.06	0.01	2.524	1.589	0.011	0.028	0.06	4.563
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/05/92-07/13/93	8	22.5	30.588	78.	13.7	427.99	20.688	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0099

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00400	PH	Other-Hi Lim.	9.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	1	0.13	1	0	0.00	3	1	0.33	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	8	1	0.13	1	0	0.00	3	1	0.33	4	0	0.00			

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

Station Inventory for Station: COLO0100

NPS Station ID: COLO0100
LAT/LON: 37.225281/ -76.766115
Agency: 112WRD
Date Created: 04/14/78
Location: 56F 21
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 371331076455801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: C
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02080206
RF1 Mile Point: 0.000
Distance from RF1: 2.10
On/Off RF1:
RF3 Index: 02080206002000.06
RF3 Mile Point: 2.43
Distance from RF3: 0.15
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/77-06/02/78	3	17.	18.667	22.	17.	8.333	2.887	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/19/77-06/02/78	3	3.	3.333	7.	0.	12.333	3.512	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/77-06/02/78	3	555.	566.667	595.	550.	608.333	24.664	**	**	**	**
00400	PH (STANDARD UNITS)	08/19/77-06/02/78	3	7.7	7.867	8.3	7.6	0.143	0.379	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/19/77-06/02/78	3	7.7	7.777	8.3	7.6	0.155	0.394	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/77-06/02/78	3	0.02	0.017	0.025	0.005	0.	0.01	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/19/77-06/02/78	3	11.	9.267	14.	2.8	33.613	5.798	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/77-06/02/78	3	280.	280.	290.	270.	100.	10.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/19/77-06/02/78	3	340.	340.	350.	330.	100.	10.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/19/77-06/02/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-06/02/78	3 ##	0.005	0.01	0.021	0.005	0.	0.009	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-06/02/78	3	0.01	0.07	0.2	0.	0.013	0.113	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/19/77-06/02/78	3	0.02	0.077	0.2	0.01	0.011	0.107	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/19/77-06/02/78	3	1.3	0.97	1.3	0.31	0.327	0.572	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/19/77-06/02/78	3	0.42	0.317	0.43	0.1	0.035	0.188	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/21/77-06/02/78	2	6.	6.	6.4	5.6	0.32	0.566	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/21/77-12/21/77	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/21/77-06/02/78	2	0.1	0.1	0.2	0.	0.02	0.141	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/02/78-06/02/78	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/77-06/02/78	3	5.	7.667	13.	5.	21.333	4.619	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/77-06/02/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/77-06/02/78	3	1.4	1.967	3.2	1.3	1.143	1.069	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/77-06/02/78	3	0.4	0.633	1.1	0.4	0.163	0.404	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/77-06/02/78	3	140.	140.	140.	140.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/19/77-06/02/78	3	27.	24.	28.	17.	37.	6.083	**	**	**	**
00932	SODIUM, PERCENT	08/19/77-06/02/78	3	96.	95.333	96.	94.	1.333	1.155	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/77-06/02/78	3	6.	5.9	6.7	5.	0.73	0.854	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/77-06/02/78	3	10.	12.	17.	9.	19.	4.359	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/77-06/02/78	3	6.	5.333	6.	4.	1.333	1.155	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/77-06/02/78	3	2.9	3.033	3.5	2.7	0.173	0.416	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/77-06/02/78	3	19.	17.333	20.	13.	14.333	3.786	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/19/77-06/02/78	3	100.	90.	150.	20.	4300.	65.574	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/77-06/02/78	3	358.	358.333	362.	355.	12.333	3.512	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/77-06/02/78	3	356.	355.333	358.	352.	9.333	3.055	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/77-06/02/78	3	0.49	0.487	0.49	0.48	0.	0.006	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/19/77-06/02/78	3	0.	0.3	0.9	0.	0.27	0.52	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/19/77-06/02/78	3	0.	0.023	0.07	0.	0.002	0.04	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-06/02/78	3	285.	285.	285.	285.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-06/02/78	3	315.	315.	315.	315.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0100

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: COLO0101

NPS Station ID: COLO0101 LAT/LON: 37.225837/ -76.483892 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0523
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 5.770 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 2.15 Distance from RF3: 0.32 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	105	4.	6.367	75.	1.5	92.256	9.605	1.5	1.5	7.	17.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	105	0.602	0.577	1.875	0.176	0.159	0.398	0.176	0.176	0.845	1.235
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.772								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	40 ##	1.5	4.595	23.	1.5	33.764	5.811	1.5	1.5	3.6	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	40 ##	0.176	0.465	1.362	0.176	0.138	0.372	0.176	0.176	0.556	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.918								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	144	0.	0.074	1.34	0.	0.051	0.225	0.	0.	0.	0.19
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	144	0.57	0.861	7.18	0.	0.99	0.995	0.	0.16	1.308	2.1

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

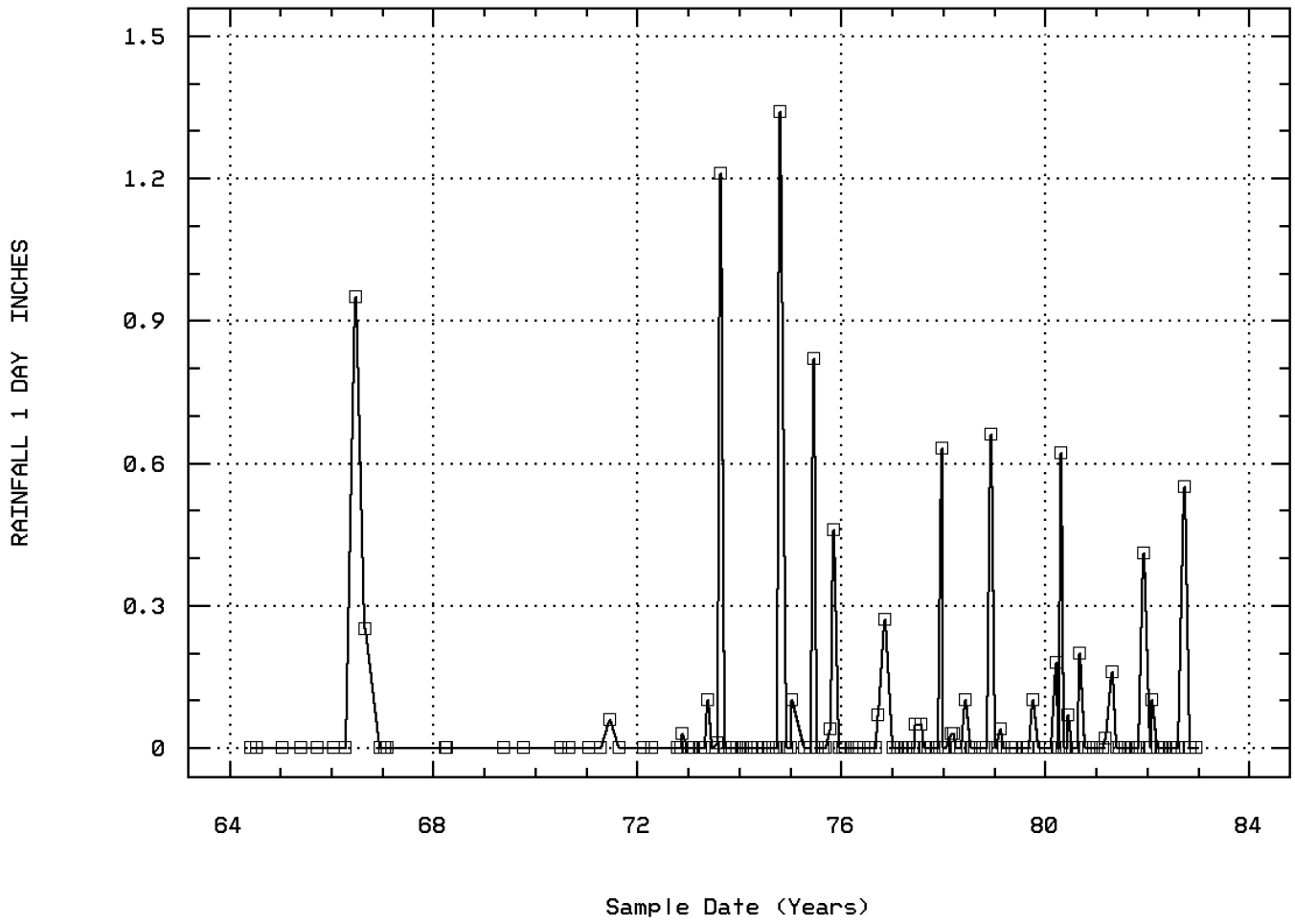
EPA Water Quality Criteria Analysis for Station: COLO0101

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	105	0	0.00	29	0	0.00	39	0	0.00	37	0	0.00			

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

Station: COLO0101 Parameter Code: 82553

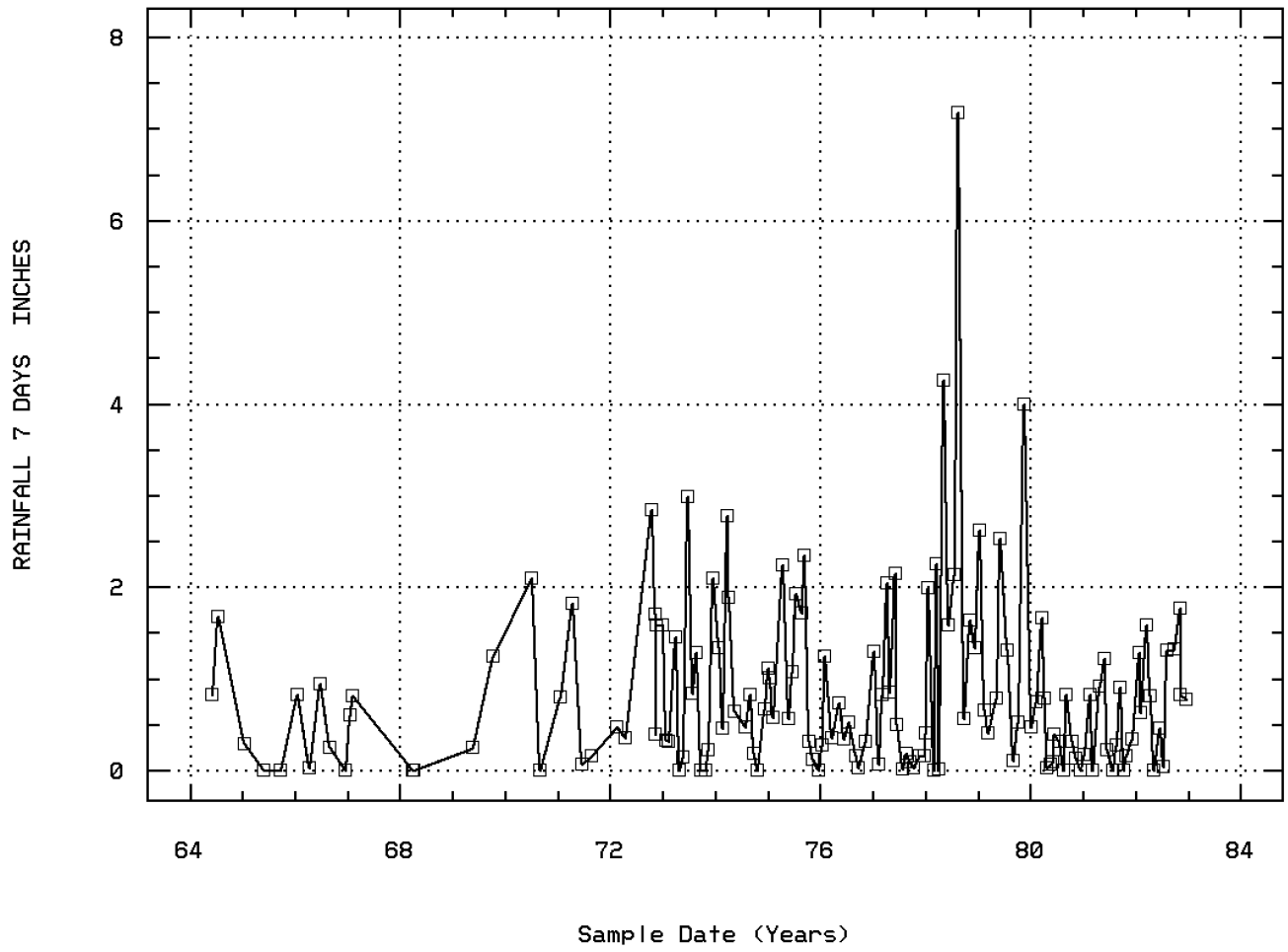
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00101 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	1.75	1.75	2.	1.5	0.125	0.354	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.239	0.239	0.301	0.176	0.008	0.088	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.732								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3 ##	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5 ##	2.	3.7	9.	1.5	9.7	3.114	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5 ##	0.301	0.467	0.954	0.176	0.099	0.314	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.93								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	12.25	12.25	23.	1.5	231.125	15.203	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.769	0.769	1.362	0.176	0.703	0.838	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.874								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	5.25	5.25	9.	1.5	28.125	5.303	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.565	0.565	0.954	0.176	0.303	0.55	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.674								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4 ##	2.75	7.	21.	1.5	88.5	9.407	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4 ##	0.389	0.569	1.322	0.176	0.292	0.541	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.708								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	4.	7.214	23.	1.5	55.155	7.427	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.602	0.699	1.362	0.176	0.151	0.389	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.001								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	1.58	1.276	2.84	0.35	0.849	0.921	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	2.75	4.833	23.	1.5	37.106	6.091	1.5	1.5	6.25	18.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	0.389	0.493	1.362	0.176	0.149	0.386	0.176	0.176	0.784	1.207
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.111								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.11	1.21	0.	0.121	0.348	0.	0.	0.008	0.877
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.325	0.806	2.98	0.	0.932	0.965	0.	0.035	1.415	2.716

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

Annual Analysis for 1974 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11 ##	1.5	3.455	9.	1.5	8.523	2.919	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11 ##	0.176	0.422	0.954	0.176	0.1	0.316	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.645								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	6.227	23.	1.5	38.418	6.198	1.5	1.5	9.	20.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.641	1.362	0.176	0.141	0.376	0.176	0.176	0.954	1.28
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.376								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	5.409	23.	1.5	38.391	6.196	1.5	1.5	4.	20.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.576	1.362	0.176	0.125	0.354	0.176	0.176	0.602	1.28
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.764								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.	0.034	0.27	0.	0.007	0.086	0.	0.	0.018	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.35	0.528	1.3	0.03	0.191	0.437	0.043	0.243	0.86	1.295

** - Less than 9 observations ## - Computed with 50% or 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 COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	3.5	6.542	43.	1.5	136.43	11.68	1.5	1.5	4.	32.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.54	0.529	1.633	0.176	0.186	0.431	0.176	0.176	0.602	1.43
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.384								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	4.	12.75	75.	1.5	422.341	20.551	1.5	4.	12.75	59.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.602	0.804	1.875	0.176	0.238	0.487	0.176	0.602	1.098	1.721
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.375								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	4.	8.643	23.	1.5	60.393	7.771	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.602	0.782	1.362	0.176	0.164	0.405	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.054								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

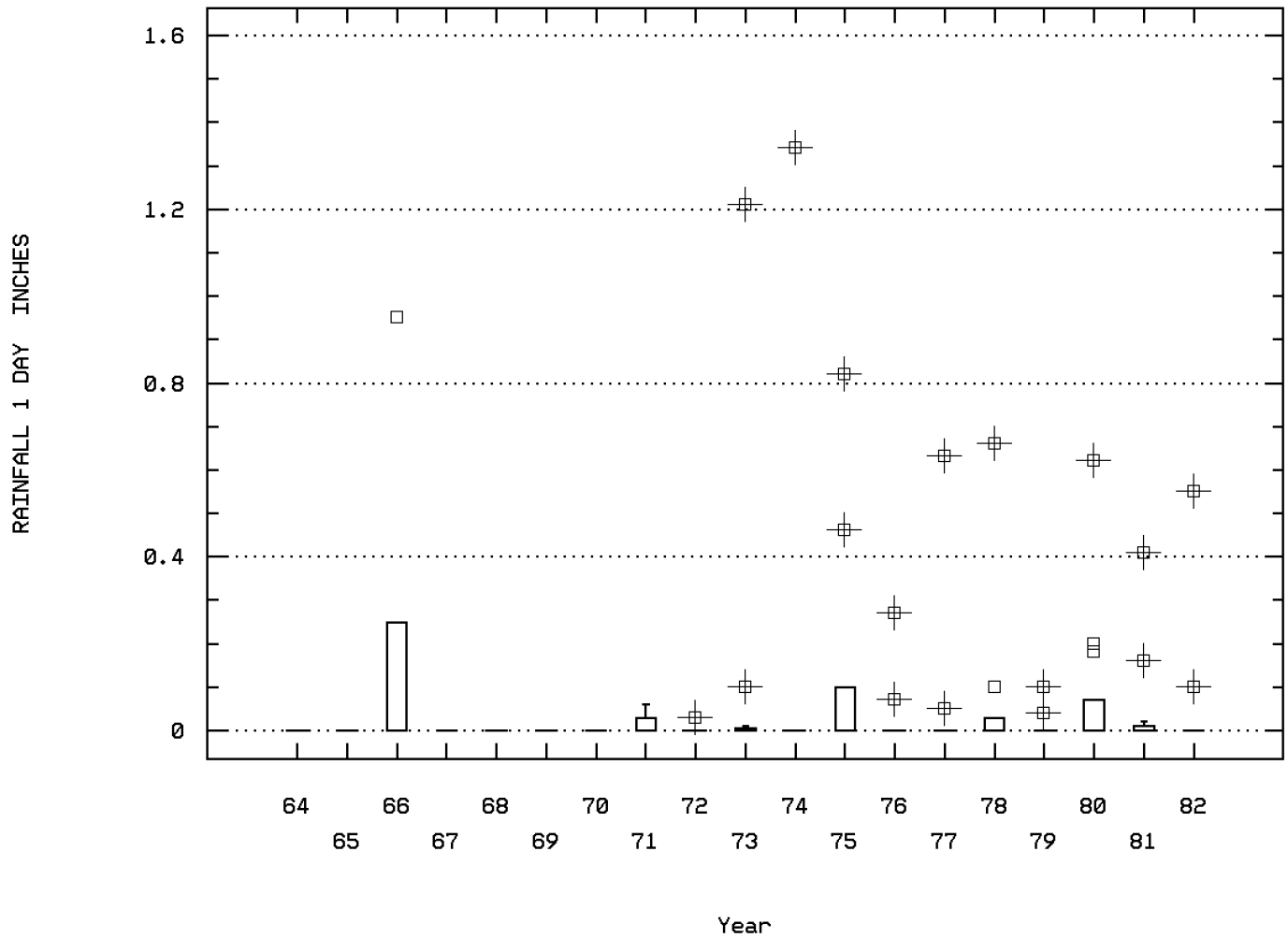
Annual Analysis for 1982 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Station: COL00101 Parameter Code: 82553

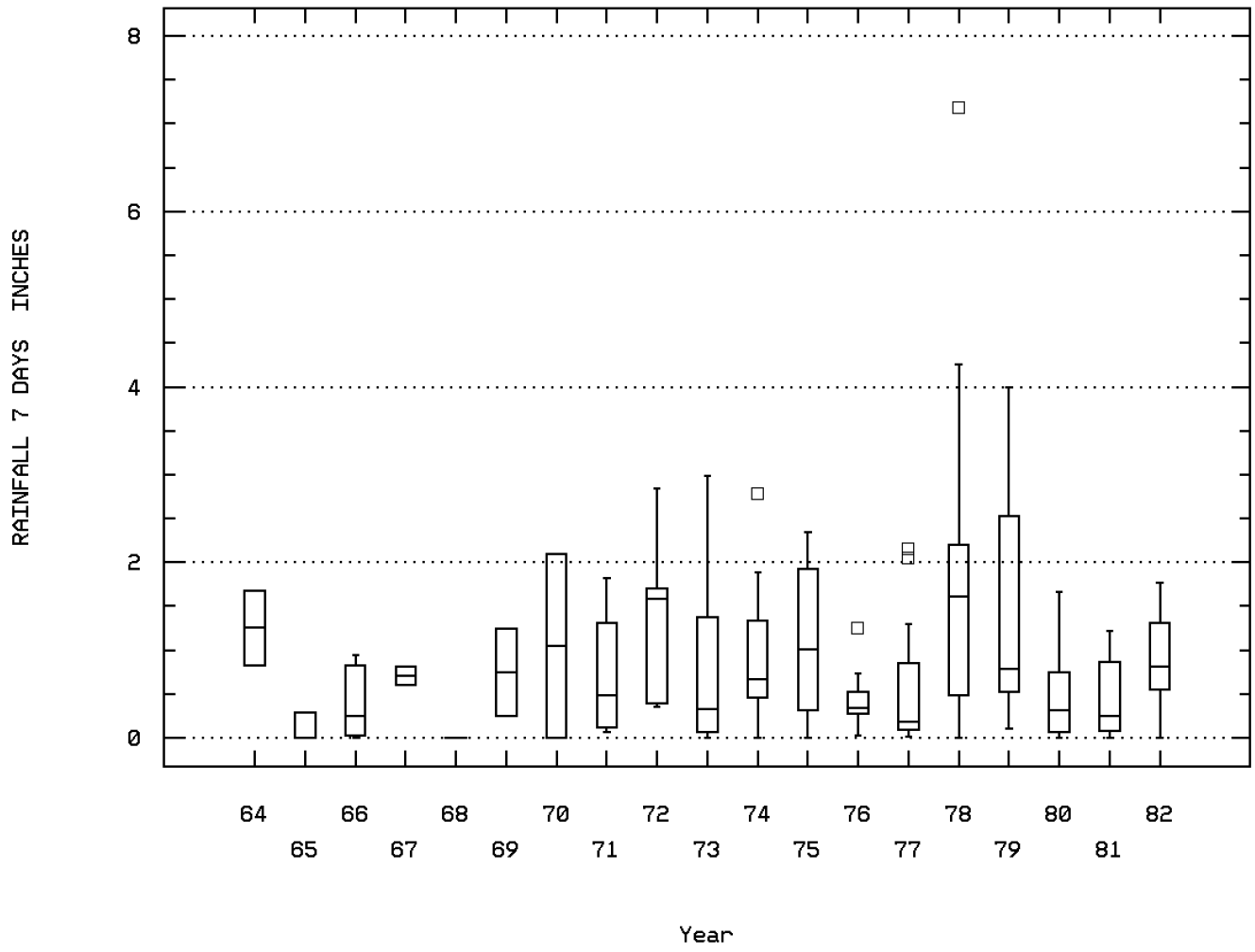
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0101 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29	4.	8.259	75.	1.5	206.154	14.358	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29	0.602	0.624	1.875	0.176	0.204	0.452	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.21								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.	0.06	1.21	0.	0.043	0.208	0.	0.	0.	0.18
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.32	0.835	7.18	0.	1.589	1.261	0.	0.065	1.295	2.098

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	4.	5.449	43.	1.5	55.484	7.449	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	0.602	0.55	1.633	0.176	0.132	0.363	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.547								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.	0.096	1.34	0.	0.07	0.264	0.	0.	0.	0.44
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.6	0.785	4.	0.	0.601	0.775	0.	0.195	1.265	1.742

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	4.	5.851	23.	1.5	43.54	6.598	1.5	1.5	8.	21.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	0.602	0.567	1.362	0.176	0.158	0.397	0.176	0.176	0.9	1.33
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.692								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	50	0.	0.063	0.95	0.	0.038	0.194	0.	0.	0.005	0.154
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	50	0.76	0.961	4.26	0.	0.939	0.969	0.	0.128	1.61	2.249

** - Less than 9 observations ## - Computed 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: COLO0102

NPS Station ID: COLO0102
LAT/LON: 37.225920/ -76.694838
Agency: 21VASWCB
Date Created: / /
Location: COLONIAL PKWY BRIDGE
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2-CLG000.23 /VA2-01-X0061/VA2-5X0061
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 2-JAMES
ECO Region:
RF1 Index: 02080206017
RF1 Mile Point: 7.850
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002910.02
RF3 Mile Point: 14.42
Distance from RF3: 0.07
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 5 TIDEWATER
RIVER: COLLEGE CREEK SECTION: 01 TOPO MAP #: 0161 TOPO MAP NAME: HOG ISLAND, VA

Parameter Inventory for Station: COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	121	18.9	18.574	33.	1.	77.705	8.815	6.72	10.45	27.	29.24
00080	COLOR (PLATINUM-COBALT UNITS)	07/14/92-03/03/93	7	54.	47.286	63.	26.	173.238	13.162	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	74	3780.	6724.108	33200.	120.	54854930.563	7406.411	231.	791.5	11300.	16790.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/14/92-07/13/93	12	4262.	5174.75	15000.	180.	21575390.023	4644.932	219.	1537.5	8100.	13911.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/14/92-08/25/93	14	3.	3.393	8.	0.	8.161	2.857	0.	0.875	5.5	8.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/92-08/25/93	14	8.2	8.964	12.7	5.7	4.216	2.053	6.3	7.5	11.05	12.15
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	106	8.8	8.967	14.8	5.	3.925	1.981	6.3	7.775	10.125	11.73
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	72	2.	2.028	9.	0.5	1.485	1.219	1.	1.	2.75	3.
00340	COD, .25N K2CR2O7 MG/L	07/14/92-04/14/93	5	16.	17.	33.	0.	139.	11.79	**	**	**	**
00400p	PH (STANDARD UNITS)	05/10/72-08/25/93	112	7.655	7.775	9.7	6.5	0.378	0.615	7.	7.5	8.182	8.707
00400p	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	112	7.653	7.443	9.7	6.5	0.489	0.699	7.	7.5	8.182	8.707
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	112	0.022	0.036	0.316	0.	0.002	0.046	0.002	0.007	0.032	0.1
00403	PH, LAB, STANDARD UNITS SU	02/10/81-07/13/93	32	7.6	7.487	8.3	6.7	0.129	0.359	6.83	7.3	7.7	7.87
00403	CONVERTED PH, LAB, STANDARD UNITS	02/10/81-07/13/93	32	7.6	7.33	8.3	6.7	0.155	0.393	6.83	7.3	7.7	7.87
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/10/81-07/13/93	32	0.025	0.047	0.2	0.005	0.002	0.048	0.014	0.02	0.05	0.149
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/10/81-07/13/93	32	49.	63.813	549.	5.	7976.544	89.312	35.6	43.25	57.	62.8
00500	RESIDUE, TOTAL (MG/L)	08/17/72-07/13/93	19	1160.	2303.737	8200.	114.	6364582.205	2522.812	150.	211.	3580.	7400.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/17/72-07/13/93	19	200.	431.474	2700.	28.	394999.374	628.49	33.	53.	500.	1100.
00510	RESIDUE, TOTAL FIXED (MG/L)	08/17/72-07/13/93	19	1100.	1886.842	7100.	86.	4268006.14	2065.915	111.	170.	2740.	4900.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	73	26.	102.425	5000.	0.	341025.72	583.974	11.4	17.	40.	49.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	73	6.	20.301	1000.	0.	13528.63	116.313	3.	4.	9.	12.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	73	18.	75.767	4000.	0.	216999.57	465.832	7.4	12.5	31.	36.
00545	RESIDUE, SETTLEABLE (ML/L)	08/17/72-08/17/72	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	119 ##	0.05	0.117	2.	0.02	0.041	0.202	0.05	0.05	0.1	0.25
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	119	0.01	0.014	0.15	0.005	0.	0.019	0.005	0.005	0.02	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	103	0.38	0.534	17.34	0.02	2.877	1.696	0.025	0.16	0.5	0.7
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/10/72-08/25/93	98	0.5	0.55	3.5	0.1	0.157	0.396	0.3	0.3	0.6	0.9
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/76-04/30/79	16	0.2	0.282	0.9	0.025	0.059	0.244	0.025	0.085	0.488	0.662
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/79-08/25/93	53 ##	0.05	0.092	0.2	0.05	0.003	0.057	0.05	0.05	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	59	0.04	0.04	0.11	0.005	0.001	0.025	0.01	0.02	0.06	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	68	7.	7.951	37.3	1.	20.992	4.582	4.	5.25	9.	12.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/92-04/14/93	8	467.5	632.25	1600.	48.	333119.071	577.165	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/14/92-07/13/93	12	1413.	1660.667	4600.	15.	2288954.606	1512.929	27.3	451.5	2766.25	4378.

** - Less than 9 observations ## - 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: COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/92-07/13/93	12	197.5	234.083	609.	11.	39984.447	199.961	12.5	78.75	389.75	584.1
00951	FLUORIDE, TOTAL (MG/L AS F)	07/14/92-04/14/93	7 ##	0.05	0.107	0.25	0.05	0.01	0.098	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/14/92-12/07/92	6	2.85	3.233	5.4	2.7	1.135	1.065	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/10/72-06/24/82	9 ##	1.	1.222	2.5	0.5	0.444	0.667	0.5	0.75	1.75	2.5
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/12/80-06/12/80	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/10/72-06/24/82	11 ##	5.	4.182	5.	0.5	3.314	1.82	0.5	5.	5.	5.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/80	1 ##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/80	1	9.04	9.04	9.04	9.04	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/10/72-06/24/82	15 ##	5.	5.467	10.	2.	3.981	1.995	3.8	5.	5.	10.
01042	COPPER, TOTAL (UG/L AS CU)	05/10/72-06/24/82	15 ##	5.	12.	50.	5.	170.714	13.066	5.	5.	20.	38.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/12/80-06/12/80	1	5.48	5.48	5.48	5.48	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/05/78-03/15/79	2	785.	785.	1070.	500.	162450.	403.051	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/10/72-06/24/82	14	6.	7.5	20.	2.	22.115	4.703	3.	4.75	9.25	17.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/12/80-06/12/80	1	9.59	9.59	9.59	9.59	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/79-03/15/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/23/73-03/15/79	11 ##	50.	60.	100.	50.	400.	20.	50.	50.	60.	100.
01067	NICKEL, TOTAL (UG/L AS NI)	06/24/82-06/24/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/80	1 ##	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/10/72-06/24/82	14 ##	12.5	33.929	220.	5.	3250.687	57.015	5.	5.	50.	140.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/12/80-06/12/80	1	19.2	19.2	19.2	19.2	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/22/75-11/18/77	4	840.	60607.5	240000.	750.14	302971225.	119595.03	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/22/75-11/18/77	4	2.922	3.525	5.38	2.875	1.532	1.238	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			3347.374								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/23/80-08/06/84	45	430.	4065.578	24000.	16.	51434656.977	7171.796	62.2	230.	4600.	16200.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/23/80-08/06/84	45	2.633	2.858	4.38	1.204	0.781	0.884	1.778	2.362	3.663	4.177
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			721.177								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/23/80-08/06/84	46	43.	141.185	2400.	1.5	139131.782	373.004	4.	9.	99.75	230.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/23/80-08/06/84	46	1.633	1.578	3.38	0.176	0.511	0.715	0.602	0.954	1.996	2.362
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			37.817								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	170.	180.	230.	140.	2100.	45.826	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	2.23	2.246	2.362	2.146	0.012	0.109	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			176.239								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	61 ##	50.	231.836	6000.	9.	655541.739	809.655	50.	50.	100.	224.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	61 ##	1.699	1.907	3.778	0.954	0.187	0.433	1.699	1.699	2.	2.35
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			80.755								
32240	TANNIN AND LIGNIN (MG/L)	10/05/92-04/14/93	5	0.4	0.45	0.8	0.25	0.048	0.218	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/24/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	06/24/82-06/24/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/12/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/10/72-04/30/79	44 ##	0.05	0.066	0.2	0.05	0.002	0.04	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/10/72-08/25/93	58	0.04	0.035	0.08	0.005	0.	0.021	0.005	0.01	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	05/10/72-06/24/82	15 ##	0.25	0.23	0.25	0.15	0.002	0.041	0.15	0.25	0.25	0.25
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/14/92-07/13/93	12	24.	24.317	56.	11.2	137.958	11.746	11.71	17.175	25.	49.4

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

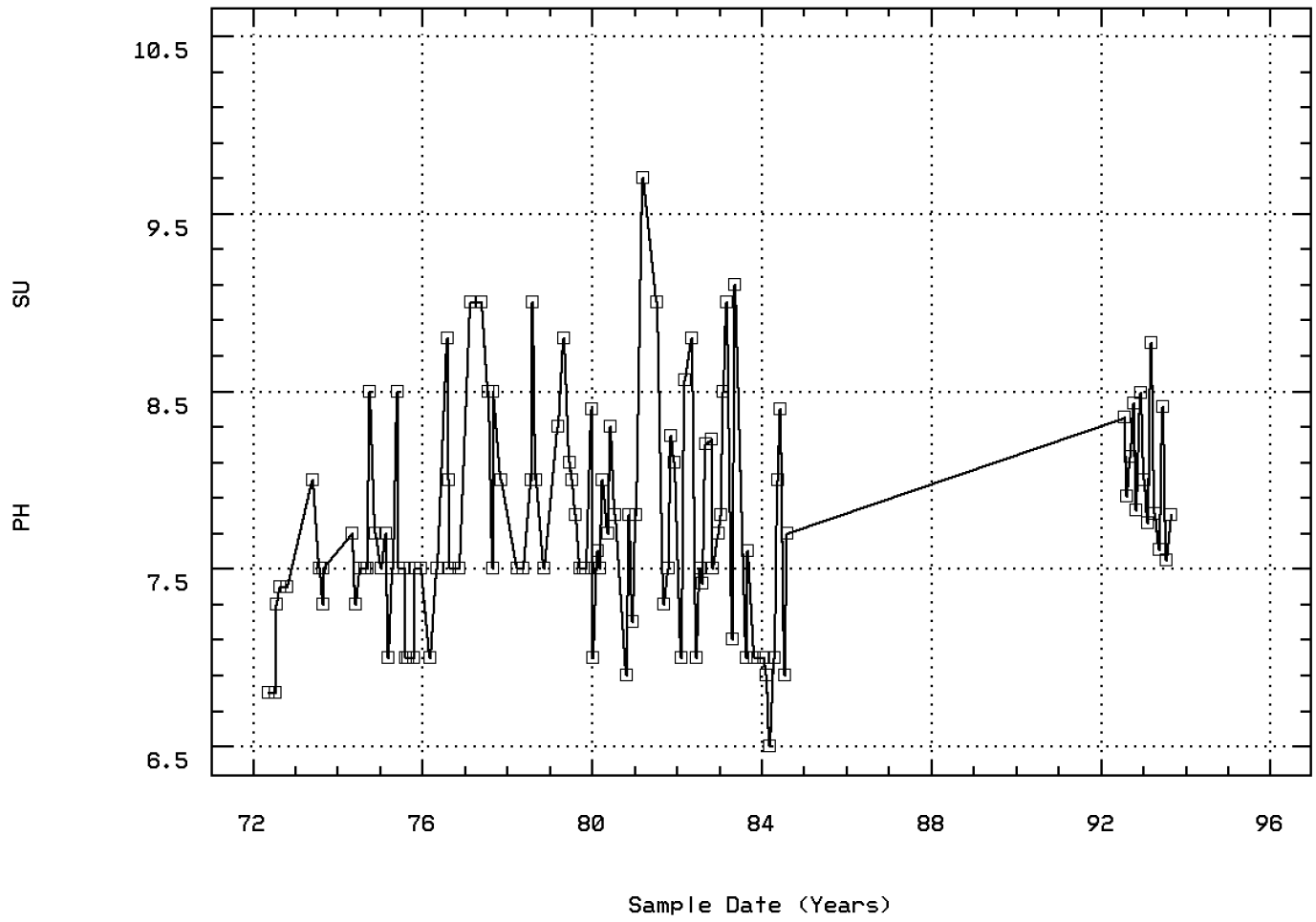
EPA Water Quality Criteria Analysis for Station: COLO0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-2/28 Obs	10/16-2/28 Exceed	10/16-2/28 Prop.	3/01-6/30 Obs	3/01-6/30 Exceed	3/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	14	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	106	0	0.00	37	0	0.00	34	0	0.00	35	0	0.00			
00400	PH	Other-Hi Lim.	9.	112	7	0.06	42	2	0.05	35	1	0.03	35	4	0.11			
		Other-Lo Lim.	6.5	112	1	0.01	42	0	0.00	35	0	0.00	35	1	0.03			
00403	PH, LAB	Other-Hi Lim.	9.	32	0	0.00	10	0	0.00	11	0	0.00	11	0	0.00			
		Other-Lo Lim.	6.5	32	0	0.00	10	0	0.00	11	0	0.00	11	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	119	0	0.00	42	0	0.00	37	0	0.00	40	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	103	1	0.01	35	1	0.03	33	0	0.00	35	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	16	0	0.00	7	0	0.00	4	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	7	0.58	5	5	1.00	3	2	0.67	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	12	2	0.17	5	1	0.20	3	1	0.33	4	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	5	0	0.00				4	0	0.00			
		Drinking Water	50.	9	0	0.00	5	0	0.00				4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5.	2 &	0	0.00	1	0	0.00				1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	15	0	0.00	5	0	0.00	2	0	0.00	8	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	15	4	0.27	5	1	0.20	2	0	0.00	8	3	0.38			
		Drinking Water	1300.	15	0	0.00	5	0	0.00	2	0	0.00	8	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	14	0	0.00	5	0	0.00	2	0	0.00	7	0	0.00			
		Drinking Water	5.	11 &	8	0.73	4	3	0.75	2	1	0.50	5	4	0.80			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	11	0	0.00	5	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	100.	11	2	0.18	5	1	0.20	1	1	1.00	5	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	14	1	0.07	5	0	0.00	1	1	1.00	8	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	4	1	0.25	1	0	0.00	2	1	0.50	1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	45	15	0.33	12	1	0.08	18	5	0.28	15	9	0.60			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	46	7	0.15	12	1	0.08	18	3	0.17	16	3	0.19			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	1	0.33	1	0	0.00				2	1	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	61	10	0.16	22	4	0.18	16	3	0.19	23	3	0.13			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	1	0	0.00				1	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	1	0	0.00				1	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	1	0	0.00				1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	3	0	0.00	1	0	0.00				2	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	2.	2	0	0.00	1	0	0.00				1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	2	0	0.00	1	0	0.00				1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	0.2	2	0	0.00	1	0	0.00				1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	1	0	0.00				1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00							1	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	2	0	0.00	1	0	0.00				1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	15	0	0.00	5	0	0.00	2	0	0.00	8	0	0.00			
		Drinking Water	2.	15	0	0.00	5	0	0.00	2	0	0.00	8	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	12	1	0.08	5	0	0.00	3	1	0.33	4	0	0.00			

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

Station: COLO0102 Parameter Code: 00400

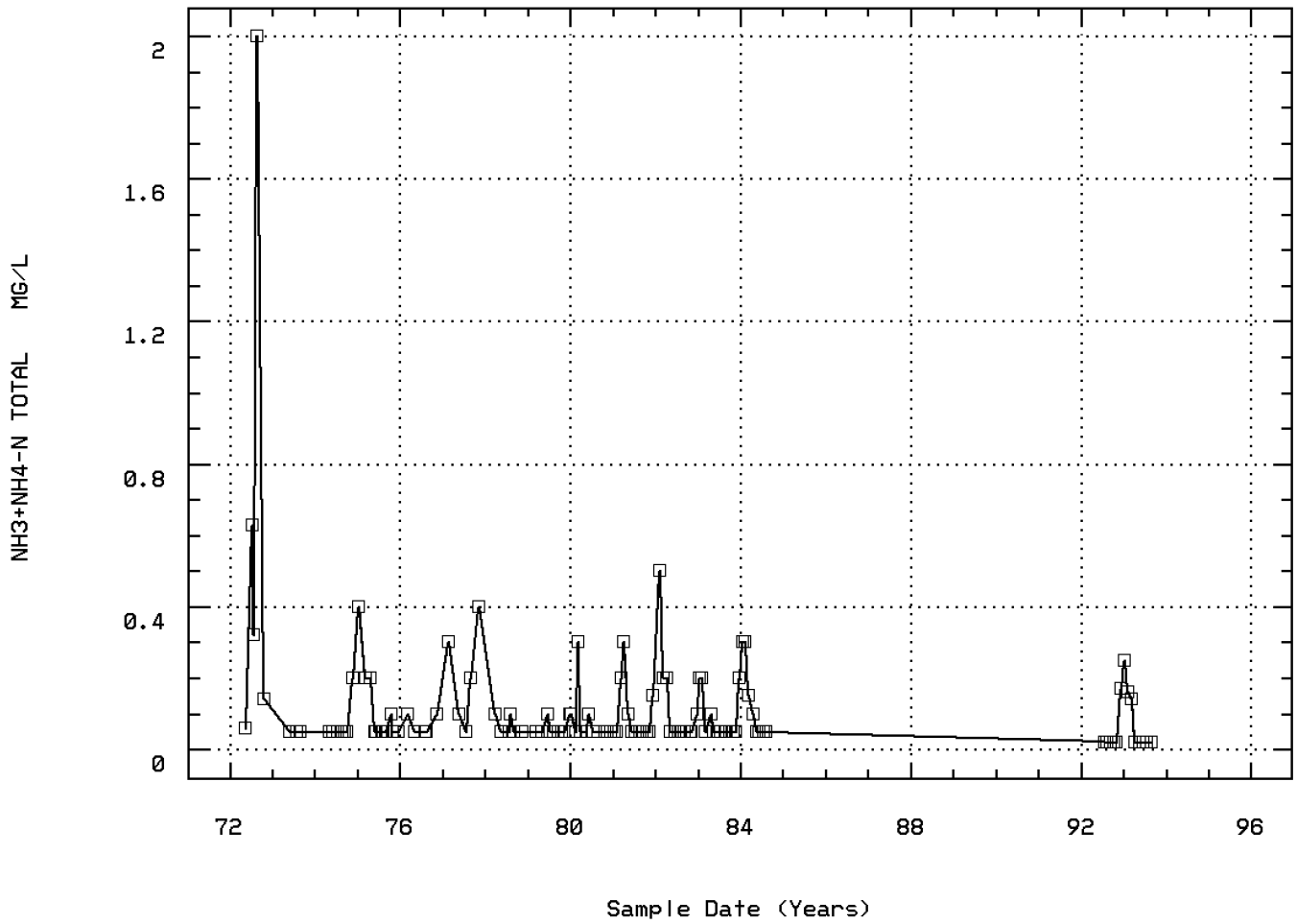
PH (STANDARD UNITS)



COLONIAL PKWY BRIDGE

Station: COLO0102 Parameter Code: 00610

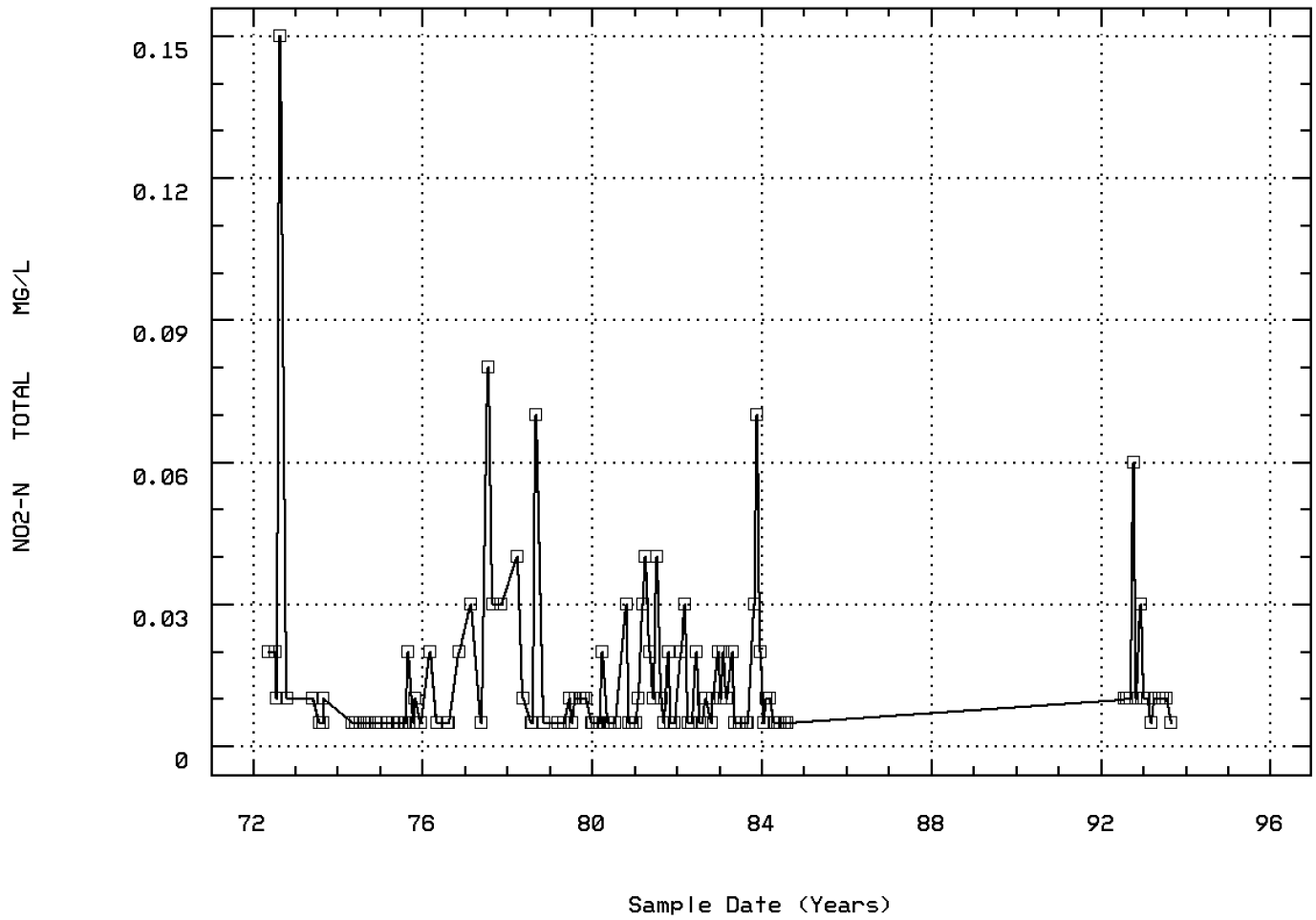
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



COLONIAL PKWY BRIDGE

Station: COLO0102 Parameter Code: 00615

NITRITE NITROGEN, TOTAL (MG/L AS N)



COLONIAL PKWY BRIDGE

Annual Analysis for 1972 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	5	25.	22.22	27.2	13.3	32.112	5.667	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	5	7.2	7.34	9.	6.2	1.398	1.182	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	5	7.3	7.14	7.4	6.8	0.098	0.313	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	5	7.3	7.049	7.4	6.8	0.108	0.329	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	5	0.05	0.089	0.158	0.04	0.004	0.063	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	5	0.32	0.63	2.	0.06	0.635	0.797	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	5	0.02	0.042	0.15	0.01	0.004	0.061	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	5	0.39	3.774	17.34	0.32	57.515	7.584	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	4	26.95	26.25	30.	21.1	13.897	3.728	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	3	8.	7.933	8.	7.8	0.013	0.115	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	4	7.5	7.575	8.	7.3	0.089	0.299	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	4	7.5	7.511	8.	7.3	0.095	0.308	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	4	0.032	0.031	0.05	0.01	0.	0.016	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	4 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	4	0.225	0.233	0.33	0.15	0.006	0.075	**	**	**	**

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

Annual Analysis for 1974 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	6	20.25	19.15	27.2	7.2	67.139	8.194	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	7	6.6	7.371	10.2	5.1	5.602	2.367	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	7	7.5	7.671	8.5	7.3	0.152	0.39	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	7	7.5	7.571	8.5	7.3	0.164	0.405	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	7	0.032	0.027	0.05	0.003	0.	0.015	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	7 ##	0.05	0.071	0.2	0.05	0.003	0.057	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	7 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	7	0.7	0.89	2.	0.36	0.29	0.538	**	**	**	**

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Annual Analysis for 1975 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	12	17.8	17.975	30.	6.7	79.155	8.897	6.7	8.35	26.7	29.67
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	12	8.55	8.275	11.8	5.	3.958	1.99	5.27	6.425	9.075	11.56
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	12	7.5	7.433	8.5	7.	0.181	0.425	7.	7.	7.5	8.26
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	12	7.5	7.292	8.5	7.	0.202	0.45	7.	7.	7.5	8.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	12	0.032	0.051	0.1	0.003	0.001	0.037	0.008	0.032	0.1	0.1

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Annual Analysis for 1975 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	11 ##	0.05	0.114	0.4	0.05	0.013	0.112	0.05	0.05	0.2	0.36
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	11 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.018
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	11	0.5	0.514	1.	0.23	0.059	0.242	0.236	0.27	0.7	0.958

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

Annual Analysis for 1976 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	6	22.5	20.383	28.9	10.6	57.842	7.605	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	6	8.9	8.2	9.8	6.2	2.512	1.585	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	6	7.5	7.717	8.8	7.	0.382	0.618	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	6	7.5	7.463	8.8	7.	0.459	0.677	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	6	0.032	0.034	0.1	0.002	0.001	0.035	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	5 ##	0.005	0.011	0.02	0.005	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	2	0.54	0.54	0.68	0.4	0.039	0.198	**	**	**	**

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Annual Analysis for 1977 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	6	14.85	16.233	33.	1.2	194.131	13.933	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	5	8.	8.12	10.6	6.6	2.452	1.566	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	6	8.5	8.417	9.	7.5	0.342	0.585	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	6	8.5	8.08	9.	7.5	0.478	0.691	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	6	0.003	0.008	0.032	0.001	0.	0.012	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	5	0.2	0.21	0.4	0.05	0.021	0.143	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	5	0.03	0.035	0.08	0.005	0.001	0.027	**	**	**	**

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

Annual Analysis for 1978 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	6	23.75	22.5	31.	13.	52.2	7.225	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	6	8.1	8.367	10.1	6.6	1.579	1.256	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	6	7.75	7.917	9.	7.5	0.342	0.585	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	6	7.682	7.714	9.	7.5	0.391	0.625	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	6	0.021	0.019	0.032	0.001	0.	0.014	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	6 ##	0.05	0.067	0.1	0.05	0.001	0.026	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	6 ##	0.008	0.023	0.07	0.005	0.001	0.027	**	**	**	**

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

Annual Analysis for 1979 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	9	18.	17.089	28.	2.3	71.159	8.436	2.3	10.5	25.	28.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	7	3228.	2169.429	4461.	261.	3299760.952	1816.524	**	**	**	**

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

Annual Analysis for 1979 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	9	9.2	9.544	12.3	7.3	3.453	1.858	7.3	7.7	11.5	12.3
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	7	1.	1.214	2.	0.5	0.321	0.567	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	9	8.	7.989	8.8	7.5	0.211	0.459	7.5	7.5	8.35	8.8
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	9	8.	7.81	8.8	7.5	0.247	0.497	7.5	7.5	8.35	8.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	9	0.01	0.015	0.032	0.002	0.	0.013	0.002	0.004	0.032	0.032
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	7	26.	799.143	5000.	0.	3463650.143	1861.088	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	7	5.	146.714	1000.	0.	141581.238	376.273	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	7	14.	583.143	4000.	0.	2270193.476	1506.716	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	9 ##	0.05	0.061	0.1	0.05	0.	0.022	0.05	0.05	0.075	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	9	0.01	0.008	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	7	0.42	0.361	0.47	0.11	0.019	0.137	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	6	0.065	0.053	0.08	0.01	0.001	0.027	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	7	6.	8.286	13.	4.	17.571	4.192	**	**	**	**

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

Annual Analysis for 1980 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	10	13.	14.08	26.5	4.	55.497	7.45	4.3	8.35	21.875	26.15
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	10	3785.5	9679.7	28840.	163.	118402546.456	10881.293	166.8	965.25	19255.	28381.
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	10	10.15	10.49	13.6	7.1	5.557	2.357	7.15	8.5	12.975	13.56
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	10	2.	2.1	3.	1.	0.544	0.738	1.	1.75	3.	3.
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	10	7.65	7.58	8.3	6.9	0.195	0.442	6.91	7.15	7.85	8.27
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	10	7.647	7.385	8.3	6.9	0.237	0.487	6.91	7.15	7.85	8.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	10	0.023	0.041	0.126	0.005	0.002	0.041	0.006	0.014	0.072	0.123
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	10	26.	26.8	45.	16.	85.511	9.247	16.2	18.75	30.25	44.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	10	7.	7.6	14.	4.	8.267	2.875	4.1	5.75	9.25	13.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	10	19.	19.2	32.	9.	61.733	7.857	9.3	12.	24.25	31.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	10 ##	0.05	0.085	0.3	0.05	0.006	0.078	0.05	0.05	0.1	0.28
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	10 ##	0.005	0.009	0.03	0.005	0.	0.009	0.005	0.005	0.009	0.029
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	10	0.305	0.329	0.7	0.025	0.041	0.203	0.035	0.173	0.485	0.68
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	10	0.02	0.024	0.05	0.005	0.	0.016	0.006	0.01	0.035	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	10	9.5	9.3	14.	5.	6.456	2.541	5.2	7.75	10.5	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 1981 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	12	18.	18.325	31.	5.	91.52	9.567	5.	10.525	28.875	30.94
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	12	13305.	13434.167	21980.	3800.	27896632.152	5281.726	4814.3	9961.75	17197.5	21572.
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	12	9.5	10.067	14.8	6.9	5.668	2.381	7.17	8.4	12.05	14.38
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	12	2.5	2.75	9.	1.	4.932	2.221	1.	1.	3.	7.5
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	7	8.1	8.236	9.7	7.3	0.726	0.852	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	7	8.1	7.794	9.7	7.3	0.953	0.976	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	7	0.008	0.016	0.05	0.	0.	0.019	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	12	22.5	25.083	52.	7.	248.992	15.779	7.9	11.25	39.25	50.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	12	7.	7.	13.	3.	8.182	2.86	3.3	4.25	8.75	12.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	12	15.5	18.083	44.	3.	194.629	13.951	3.3	4.5	30.75	41.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	12 ##	0.05	0.096	0.3	0.05	0.007	0.081	0.05	0.05	0.138	0.27
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	12	0.01	0.017	0.04	0.005	0.	0.013	0.005	0.005	0.028	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	12	0.455	0.406	0.7	0.025	0.052	0.228	0.025	0.203	0.6	0.67
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	12	0.035	0.033	0.07	0.005	0.	0.021	0.005	0.013	0.048	0.067
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	12	7.5	7.667	13.	1.	13.333	3.651	1.9	4.5	10.75	12.7

** - 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 1982 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	11	17.	17.909	29.	6.	75.841	8.709	6.4	9.	27.	28.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	11	2760.	4452.455	12800.	304.	20195517.673	4493.942	304.	435.	7955.	12400.
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	11	8.6	8.945	10.4	6.8	1.621	1.273	6.9	8.3	10.3	10.4
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	11	2.	1.909	4.	1.	1.291	1.136	1.	1.	2.	4.
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	10	7.6	7.791	8.8	7.	0.393	0.627	7.	7.315	8.313	8.776
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	10	7.589	7.471	8.8	7.	0.506	0.712	7.	7.315	8.312	8.776
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	10	0.026	0.034	0.1	0.002	0.001	0.037	0.002	0.005	0.054	0.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	11	38.	35.364	65.	12.	303.455	17.42	12.6	23.	45.	63.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	11	6.	7.364	18.	2.	20.255	4.501	2.6	5.	9.	17.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	11	25.	28.	54.	10.	236.8	15.388	10.	17.	36.	53.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	11 ##	0.05	0.123	0.5	0.05	0.019	0.138	0.05	0.05	0.2	0.44
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	11	0.01	0.012	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	11	0.38	0.338	0.58	0.025	0.032	0.18	0.046	0.17	0.5	0.564
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	11	0.05	0.056	0.11	0.02	0.001	0.03	0.02	0.03	0.08	0.106
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	11	6.	6.273	9.	4.	2.418	1.555	4.2	5.	8.	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

Annual Analysis for 1983 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	12	16.5	17.633	29.	4.5	80.013	8.945	4.8	10.5	27.825	28.85
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	12	4186.	7794.	33200.	137.	92487838.364	9617.06	266.9	946.75	13475.	27800.
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	12	9.4	9.217	11.5	6.3	2.352	1.534	6.63	8.325	10.375	11.41
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	12	2.	1.917	3.	1.	0.629	0.793	1.	1.	2.75	3.
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	8	7.7	7.888	9.1	7.	0.767	0.876	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	8	7.689	7.391	9.1	7.	1.049	1.024	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	8	0.02	0.041	0.1	0.001	0.002	0.045	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	11	32.	27.091	46.	2.	206.891	14.384	4.	14.	39.	44.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	11	7.	7.091	15.	2.	21.291	4.614	2.	3.	11.	14.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	11	18.	21.909	36.	9.	86.891	9.322	9.6	15.	30.	35.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	12 ##	0.05	0.092	0.2	0.05	0.004	0.067	0.05	0.05	0.175	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	12	0.01	0.017	0.07	0.005	0.	0.019	0.005	0.005	0.02	0.058
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	12	0.2	0.273	0.63	0.025	0.063	0.251	0.025	0.025	0.577	0.615
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	12	0.04	0.042	0.09	0.02	0.	0.02	0.02	0.03	0.04	0.084
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	12	7.	6.75	9.	4.	3.114	1.765	4.	5.25	8.	9.

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Annual Analysis for 1984 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	8	19.85	18.575	31.3	1.	122.045	11.047	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	8	784.5	1413.25	3830.	157.	2345589.929	1531.532	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	8	9.9	9.813	12.4	7.7	2.93	1.712	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	8	2.5	2.5	4.	1.	0.857	0.926	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	8	7.	7.3	8.4	6.5	0.429	0.655	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	8	7.	6.999	8.4	6.5	0.532	0.729	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	8	0.1	0.1	0.316	0.004	0.01	0.101	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	8	36.5	34.75	55.	15.	176.786	13.296	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	8	8.	8.	12.	4.	10.286	3.207	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	8	25.5	26.75	50.	11.	153.643	12.395	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	8 ##	0.075	0.131	0.3	0.05	0.012	0.11	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	8 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	8	0.295	0.254	0.44	0.025	0.026	0.163	**	**	**	**

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

Annual Analysis for 1984 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	8	0.035	0.04	0.07	0.01	0.	0.021	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	8	8.5	8.5	15.	5.	9.143	3.024	**	**	**	**

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

Annual Analysis for 1992 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	6	23.35	21.45	29.6	6.8	80.955	8.997	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	6	9000.	7233.333	11000.	1000.	15106666.667	3886.73	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	6	1.5	1.5	2.	1.	0.3	0.548	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	6	8.24	8.19	8.49	7.83	0.077	0.277	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	6	8.226	8.116	8.49	7.83	0.084	0.289	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	6	0.006	0.008	0.015	0.003	0.	0.005	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	6	29.	31.5	50.	15.	238.7	15.45	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	6	6.5	7.	13.	4.	11.2	3.347	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	6	22.	24.5	43.	11.	166.7	12.911	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	6 ##	0.02	0.045	0.17	0.02	0.004	0.061	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	6	0.01	0.022	0.06	0.01	0.	0.02	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	6 ##	0.085	0.16	0.6	0.02	0.051	0.225	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	6	7.15	11.433	37.3	4.1	163.151	12.773	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	8	19.2	18.2	30.8	6.8	101.7	10.085	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	8	1625.	3397.5	13000.	120.	20250478.571	4500.053	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	6	2.	1.75	2.	0.5	0.375	0.612	**	**	**	**
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	8	7.805	7.964	8.77	7.55	0.177	0.421	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	8	7.805	7.835	8.77	7.55	0.196	0.443	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	8	0.016	0.015	0.028	0.002	0.	0.009	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	6	21.	24.5	42.	17.	93.1	9.649	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	6	4.	4.5	8.	2.	5.1	2.258	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	6	17.	20.	36.	14.	67.2	8.198	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	8 ##	0.02	0.081	0.25	0.02	0.008	0.09	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	8	0.01	0.009	0.01	0.005	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	8	0.16	0.195	0.47	0.02	0.035	0.188	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	2	5.55	5.55	6.8	4.3	3.125	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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	43	27.5	26.498	33.	2.5	27.632	5.257	19.02	26.5	29.	30.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	22	7105.5	7994.045	21980.	299.	24130221.188	4912.252	2953.2	3882.5	11300.	13708.
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	37	7.4	7.419	9.8	5.	1.609	1.268	5.76	6.3	8.35	9.22
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	21	2.	2.071	4.	0.5	0.957	0.978	1.	1.	3.	3.8
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	42	7.525	7.75	9.	6.8	0.299	0.547	7.	7.48	8.033	8.5
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	42	7.524	7.487	9.	6.8	0.37	0.608	7.	7.48	8.032	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	42	0.03	0.033	0.158	0.001	0.001	0.035	0.003	0.009	0.033	0.1
00403	PH, LAB, STANDARD UNITS SU	02/10/81-07/13/93	10	7.6	7.47	8.3	6.8	0.213	0.462	6.8	7.025	7.7	8.24
00403	CONVERTED PH, LAB, STANDARD UNITS	02/10/81-07/13/93	10	7.6	7.259	8.3	6.8	0.263	0.513	6.8	7.025	7.7	8.24
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/10/81-07/13/93	10	0.025	0.055	0.158	0.005	0.003	0.058	0.007	0.02	0.099	0.158
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/10/81-07/13/93	10	53.5	101.3	549.	41.	24772.233	157.392	41.5	48.25	57.25	499.9
00500	RESIDUE, TOTAL (MG/L)	08/17/72-07/13/93	9	3048.	3328.222	8200.	224.	6280207.694	2506.034	224.	1226.	5050.	8200.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/17/72-07/13/93	9	417.	475.222	1100.	53.	118615.194	344.406	53.	166.	762.5	1100.
00510	RESIDUE, TOTAL FIXED (MG/L)	08/17/72-07/13/93	9	2363.	2853.	7100.	171.	5187769.25	2277.668	171.	951.5	4750.	7100.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	23	22.	237.609	5000.	0.	1077953.34	1038.245	3.2	12.	34.	45.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	23	5.	48.652	1000.	0.	43019.783	207.412	0.8	3.	8.	12.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	23	17.	189.87	4000.	0.	689951.3	830.633	2.4	10.	25.	34.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	42 ##	0.05	0.117	2.	0.02	0.099	0.314	0.02	0.05	0.05	0.17
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	42 ##	0.005	0.017	0.15	0.005	0.001	0.027	0.005	0.005	0.01	0.054
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	35	0.18	0.728	17.34	0.02	8.413	2.901	0.02	0.025	0.39	0.7
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/10/72-08/25/93	35	0.5	0.634	3.5	0.2	0.369	0.608	0.26	0.3	0.7	1.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/79-08/25/93	15 ##	0.05	0.097	0.2	0.05	0.004	0.067	0.05	0.05	0.2	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	20	6.35	6.805	12.	4.	4.863	2.205	4.01	5.25	7.9	10.9
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	22 ##	50.	366.318	6000.	9.	1595258.227	1263.035	50.	50.	100.	440.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	22 ##	1.699	1.923	3.778	0.954	0.291	0.539	1.699	1.699	2.	2.632
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			83.666								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/10/72-04/30/79	19 ##	0.05	0.071	0.2	0.05	0.002	0.048	0.05	0.05	0.05	0.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/10/72-08/25/93	25 ##	0.04	0.034	0.08	0.005	0.001	0.024	0.005	0.005	0.05	0.062

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	38	9.85	10.1	20.	1.	25.489	5.049	3.83	6.525	14.25	17.1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	27	4302.	9863.593	33200.	261.	90196051.481	9497.16	723.2	1660.	15990.	25168.
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	34	10.15	10.341	14.8	7.9	2.866	1.693	8.4	9.	11.55	12.65
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	26	1.	1.596	3.	0.5	0.6	0.775	1.	1.	2.	3.
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	35	7.6	7.659	9.	6.9	0.258	0.508	7.	7.4	8.	8.436
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	35	7.6	7.422	9.	6.9	0.315	0.561	7.	7.4	8.	8.436
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	35	0.025	0.038	0.126	0.001	0.001	0.038	0.004	0.01	0.04	0.1
00403	PH, LAB, STANDARD UNITS SU	02/10/81-07/13/93	11	7.5	7.418	7.9	6.7	0.142	0.376	6.74	7.1	7.7	7.88
00403	CONVERTED PH, LAB, STANDARD UNITS	02/10/81-07/13/93	11	7.5	7.253	7.9	6.7	0.172	0.414	6.74	7.1	7.7	7.88
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/10/81-07/13/93	11	0.032	0.056	0.2	0.013	0.003	0.058	0.013	0.02	0.079	0.185
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/10/81-07/13/93	11	50.	51.727	72.	35.	122.818	11.082	35.8	44.	60.	70.4
00500	RESIDUE, TOTAL (MG/L)	08/17/72-07/13/93	5	924.	2290.2	7400.	150.	9320631.2	3052.971	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/17/72-07/13/93	5	148.	684.	2700.	33.	1306308.5	1142.939	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/17/72-07/13/93	5	776.	1606.2	4700.	111.	3778960.2	1943.955	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	25	20.	23.96	50.	10.	139.54	11.813	11.6	15.5	32.5	45.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	25	6.	6.24	14.	2.	8.94	2.99	2.6	4.	7.5	10.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	25	14.	17.72	43.	4.	108.293	10.406	5.2	11.5	25.	34.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	37	0.1	0.14	0.5	0.02	0.014	0.12	0.05	0.05	0.2	0.32
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	37	0.01	0.014	0.07	0.005	0.	0.013	0.005	0.005	0.02	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	33	0.45	0.499	2.	0.025	0.111	0.334	0.166	0.355	0.59	0.754
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/10/72-08/25/93	26	0.5	0.521	0.8	0.25	0.025	0.159	0.3	0.4	0.625	0.73
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/79-08/25/93	16 ##	0.05	0.072	0.2	0.05	0.002	0.041	0.05	0.05	0.1	0.13
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	26	6.9	8.281	37.3	1.	44.117	6.642	4.	5.	8.65	13.3

** - 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: 10/16 to 2/28 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	16 ##	50.	260.625	2200.	50.	322872.917	568.219	50.	50.	100.	1360.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	16 ##	1.699	1.967	3.342	1.699	0.254	0.504	1.699	1.699	2.	3.103
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			92.766								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/10/72-04/30/79	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/10/72-08/25/93	14	0.03	0.035	0.07	0.01	0.	0.021	0.01	0.018	0.05	0.07

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/10/72-08/25/93	40	19.	18.105	31.3	6.7	45.736	6.763	8.1	12.025	22.925	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/25/93	25	570.	2215.92	13350.	120.	14286743.827	3779.781	149.	200.5	2105.	10829.4
00300	OXYGEN, DISSOLVED MG/L	05/10/72-08/06/84	35	9.5	9.269	13.4	5.2	3.045	1.745	7.26	8.	10.3	11.68
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-07/13/93	25	2.	2.44	9.	1.	2.59	1.609	1.	2.	3.	4.
00400	PH (STANDARD UNITS)	05/10/72-08/25/93	35	7.81	7.922	9.7	6.5	0.579	0.761	7.	7.5	8.5	9.
00400	CONVERTED PH (STANDARD UNITS)	05/10/72-08/25/93	35	7.81	7.416	9.7	6.5	0.843	0.918	7.	7.5	8.5	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/10/72-08/25/93	35	0.015	0.038	0.316	0.	0.004	0.062	0.001	0.003	0.032	0.1
00403	PH, LAB, STANDARD UNITS SU	02/10/81-07/13/93	11	7.6	7.573	8.	7.3	0.052	0.228	7.3	7.3	7.7	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	02/10/81-07/13/93	11	7.6	7.521	8.	7.3	0.055	0.235	7.3	7.3	7.7	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/10/81-07/13/93	11	0.025	0.03	0.05	0.01	0.	0.015	0.011	0.02	0.05	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/10/81-07/13/93	11	45.	41.818	58.	5.	211.364	14.538	10.2	37.	49.	57.8
00500	RESIDUE, TOTAL (MG/L)	08/17/72-07/13/93	5	211.	473.2	1160.	114.	209229.7	457.416	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/17/72-07/13/93	5	60.	100.2	300.	28.	12762.2	112.97	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/17/72-07/13/93	5	170.	428.4	1100.	86.	193974.8	440.426	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/72-07/13/93	25	40.	56.52	500.	17.	8692.177	93.232	20.	27.	47.5	61.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/17/72-07/13/93	25	8.	8.28	18.	2.	15.377	3.921	3.6	5.	11.5	13.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/17/72-07/13/93	25	27.	28.84	54.	7.	154.39	12.425	14.6	19.	35.5	50.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/10/72-08/25/93	40 ##	0.05	0.094	0.3	0.02	0.005	0.072	0.05	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	40 ##	0.005	0.011	0.04	0.005	0.	0.01	0.005	0.005	0.018	0.029
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/10/72-08/25/93	35	0.38	0.372	0.8	0.02	0.045	0.212	0.025	0.23	0.5	0.688
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/10/72-08/25/93	37	0.5	0.492	1.	0.1	0.046	0.215	0.26	0.35	0.6	0.82
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/21/79-08/25/93	22	0.1	0.105	0.2	0.05	0.003	0.058	0.05	0.05	0.125	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-04/14/93	22	9.	8.605	15.	4.	8.221	2.867	4.09	6.75	10.	12.7
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	23 ##	50.	83.174	230.	50.	3160.787	56.221	50.	50.	100.	200.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/10/72-06/17/93	23 ##	1.699	1.851	2.362	1.699	0.054	0.232	1.699	1.699	2.	2.301
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			70.886								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/10/72-04/30/79	15 ##	0.05	0.067	0.2	0.05	0.002	0.041	0.05	0.05	0.05	0.14
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/10/72-08/25/93	19	0.04	0.036	0.05	0.005	0.	0.017	0.01	0.02	0.05	0.05

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

Station Inventory for Station: COLO0103

NPS Station ID: COLO0103 LAT/LON: 37.226116/ -76.472781 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0524
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 4.470 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 2.20 Distance from RF3: 0.22 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/72-07/16/72	4	25.5	25.225	25.5	24.4	0.303	0.55	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	07/13/72-04/24/80	5	12.6	12.68	14.1	11.6	1.017	1.008	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	108	4.	4.824	23.	1.5	29.572	5.438	1.5	1.5	4.	9.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	108	0.602	0.505	1.362	0.176	0.133	0.364	0.176	0.176	0.602	0.973
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.197								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	40 ##	1.5	9.328	150.	1.5	618.328	24.866	1.5	1.5	3.6	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	40 ##	0.176	0.509	2.176	0.176	0.242	0.492	0.176	0.176	0.556	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.229								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	147	0.	0.073	1.34	0.	0.05	0.223	0.	0.	0.	0.184
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	147	0.6	0.885	7.18	0.	0.983	0.992	0.	0.16	1.33	2.1

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

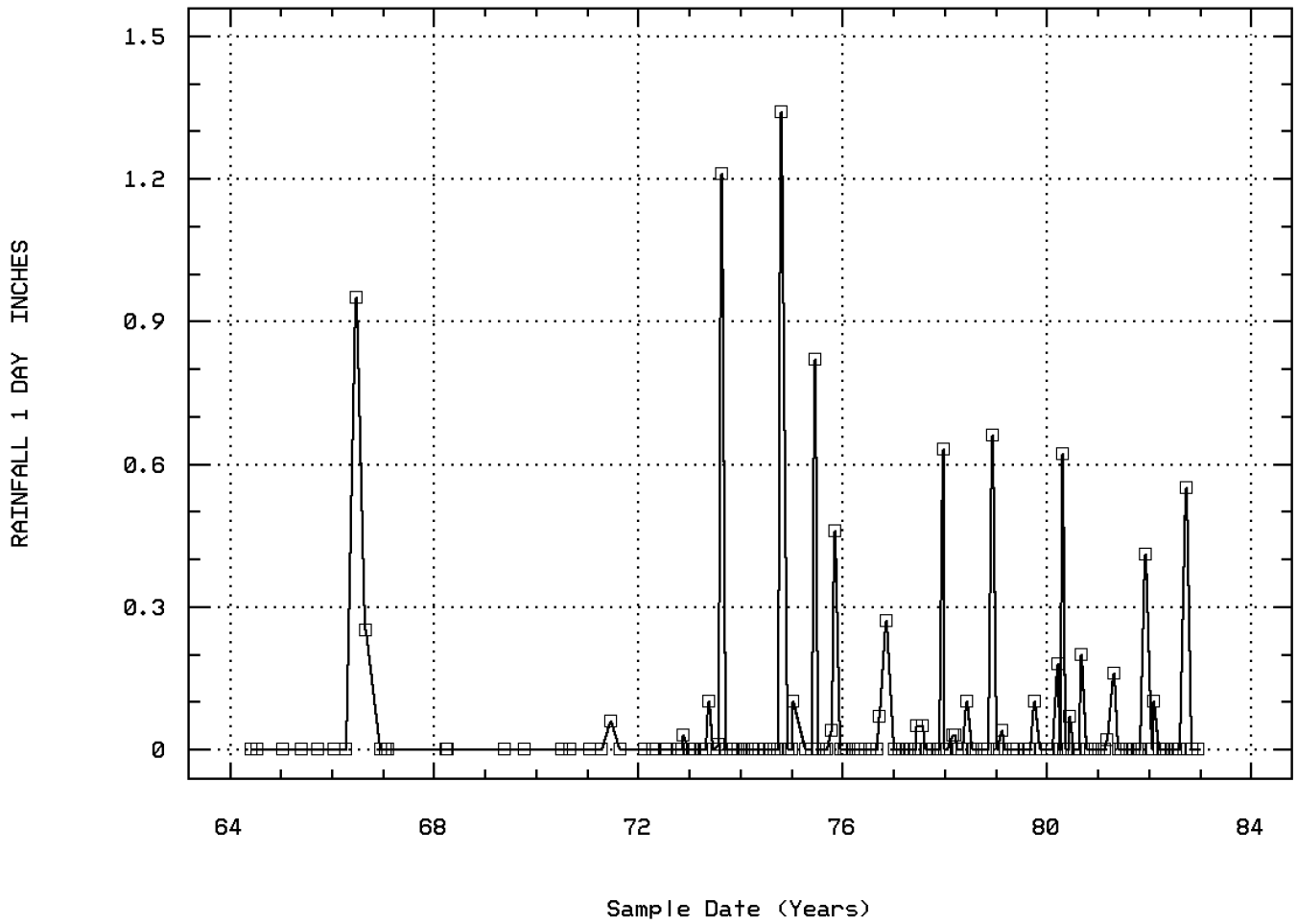
EPA Water Quality Criteria Analysis for Station: COLO0103

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	108	0	0.00	33	0	0.00	39	0	0.00	36	0	0.00			

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

Station: COL00103 Parameter Code: 82553

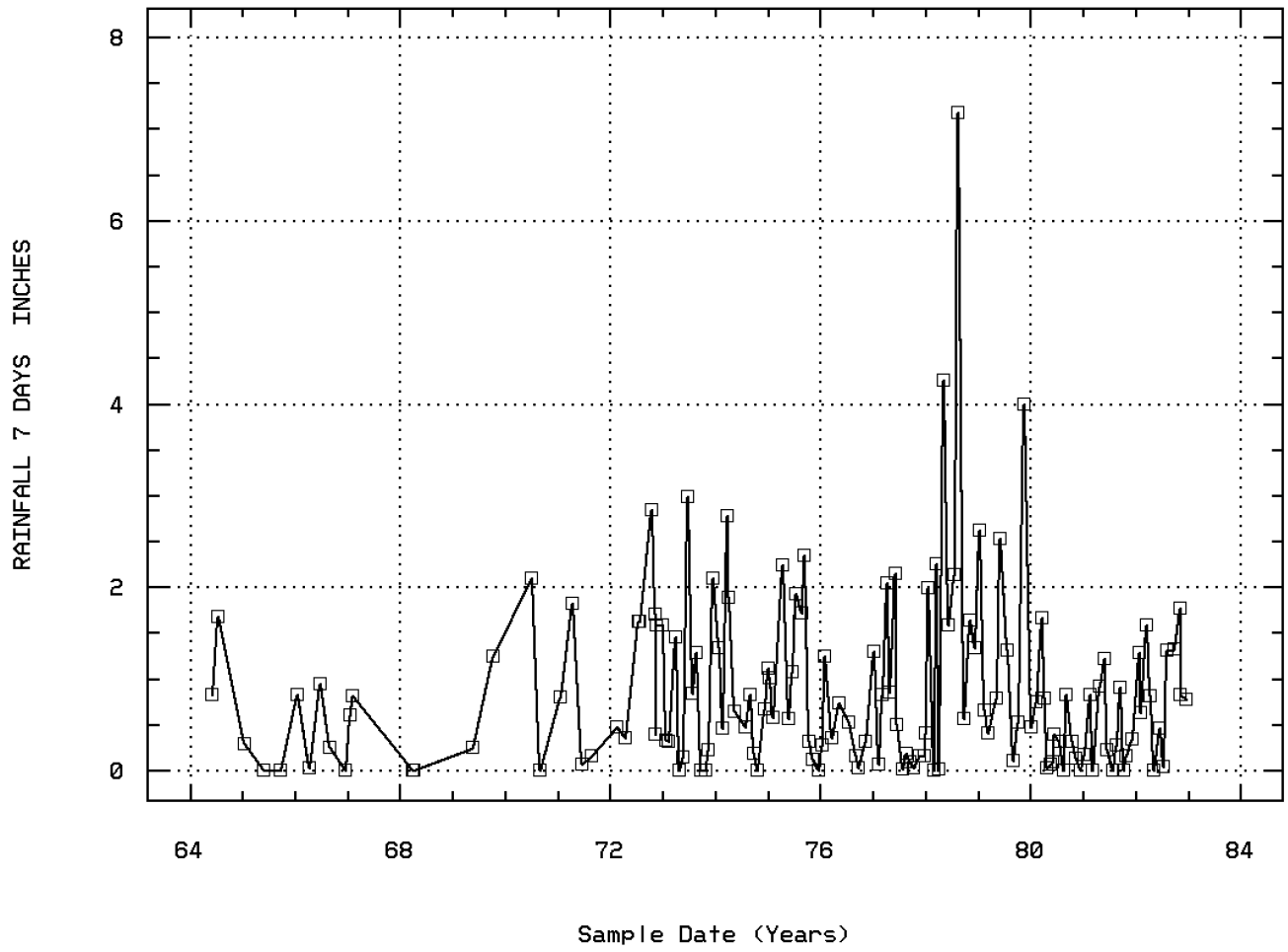
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00103 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3 ##	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5 ##	2.	1.9	2.	1.5	0.05	0.224	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5 ##	0.301	0.276	0.301	0.176	0.003	0.056	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.888								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4	4.	8.75	23.	4.	90.25	9.5	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4	0.602	0.792	1.362	0.602	0.144	0.38	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.194								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	3.545	9.	1.5	4.773	2.185	1.5	1.5	4.	8.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.479	0.954	0.176	0.068	0.261	0.176	0.176	0.602	0.884
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.014								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.003	0.03	0.	0.	0.009	0.	0.	0.	0.024
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.62	1.401	2.84	0.35	0.539	0.734	0.36	0.47	1.62	2.612

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

Annual Analysis for 1973 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	4.	5.583	15.	1.5	22.72	4.767	1.5	1.5	8.5	14.7
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.602	0.603	1.176	0.176	0.139	0.373	0.176	0.176	0.927	1.167
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.007								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.11	1.21	0.	0.121	0.348	0.	0.	0.008	0.877
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.325	0.806	2.98	0.	0.932	0.965	0.	0.035	1.415	2.716

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

Annual Analysis for 1974 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	5.955	23.	1.5	42.523	6.521	1.5	1.5	9.	20.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.574	1.362	0.176	0.185	0.43	0.176	0.176	0.954	1.28
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.746								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	3.864	15.	1.5	15.205	3.899	1.5	1.5	4.	12.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.461	1.176	0.176	0.102	0.319	0.176	0.176	0.602	1.061
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.888								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	10 ##	1.5	3.9	15.	1.5	18.6	4.313	1.5	1.5	4.75	14.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	10 ##	0.176	0.428	1.176	0.176	0.131	0.361	0.176	0.176	0.663	1.143
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.68								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.038	0.27	0.	0.008	0.09	0.	0.	0.035	0.27
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.36	0.549	1.3	0.03	0.21	0.458	0.03	0.215	0.99	1.3

** - 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 1977 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	1.5	8.125	23.	1.5	88.415	9.403	1.5	1.5	19.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	0.176	0.602	1.362	0.176	0.295	0.544	0.176	0.176	1.26	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.001								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	1.5	3.375	9.	1.5	8.097	2.845	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12 ##	0.176	0.412	0.954	0.176	0.099	0.314	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.584								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	4.	7.071	23.	1.5	60.619	7.786	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.602	0.629	1.362	0.176	0.227	0.477	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.253								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

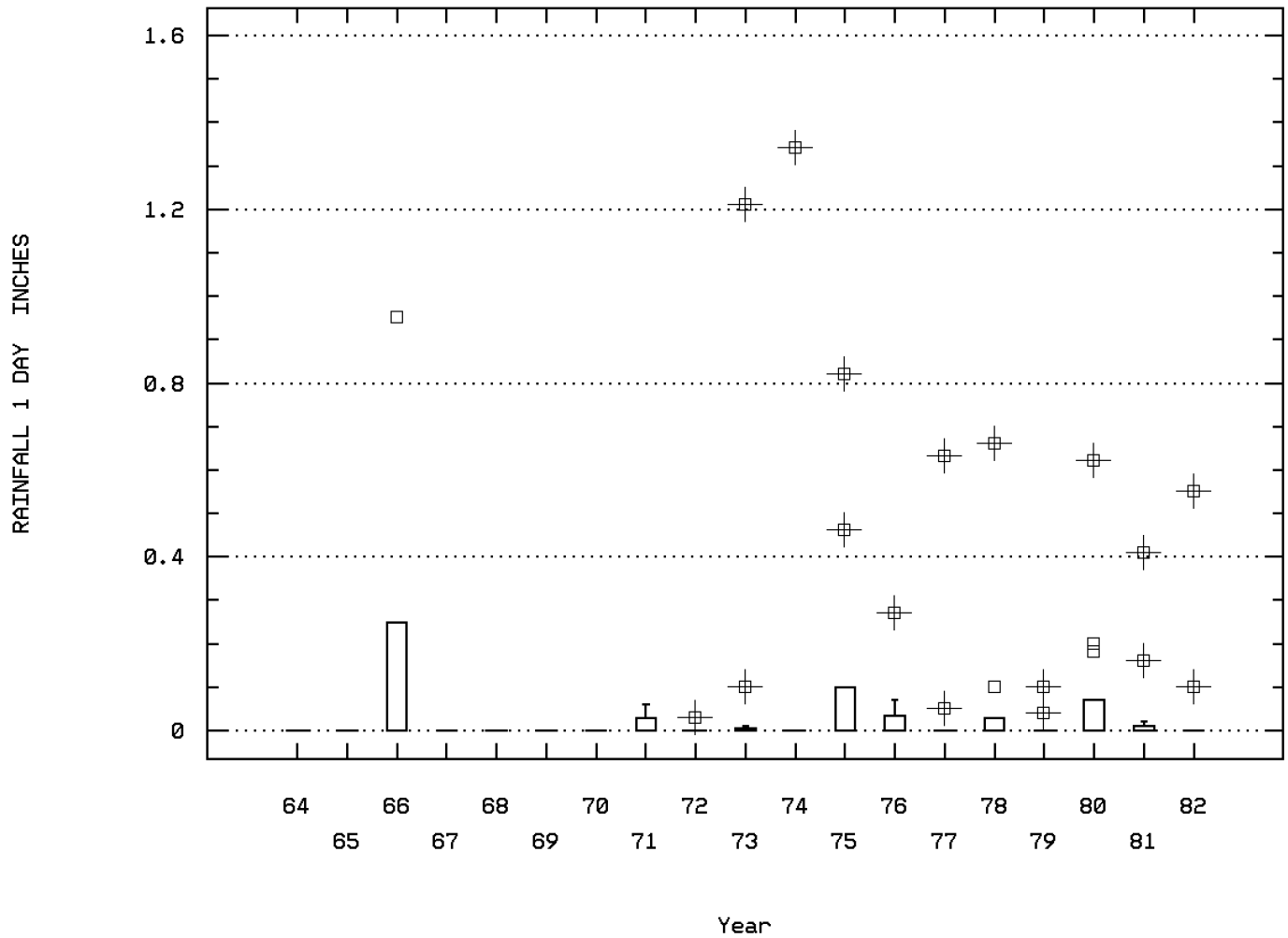
Annual Analysis for 1982 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Station: COL00103 Parameter Code: 82553

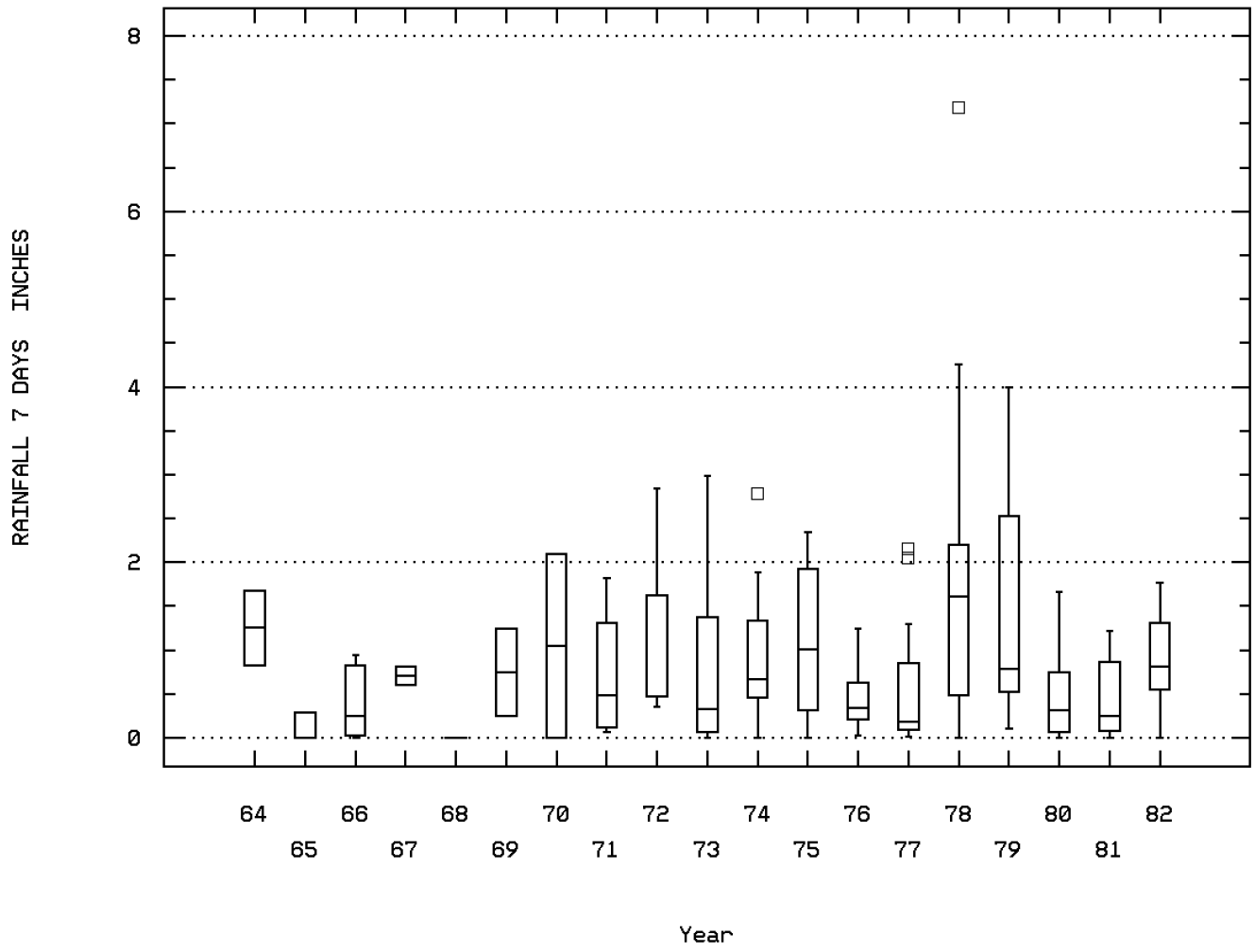
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00103 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	33 ##	2.	4.106	23.	1.5	20.574	4.536	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	33 ##	0.301	0.463	1.362	0.176	0.111	0.333	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.902								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	45	0.	0.055	1.21	0.	0.04	0.2	0.	0.	0.	0.14
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	45	0.53	0.905	7.18	0.	1.496	1.223	0.	0.095	1.47	2.014

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	4.	5.359	23.	1.5	29.618	5.442	1.5	1.5	9.	14.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	0.602	0.562	1.362	0.176	0.138	0.371	0.176	0.176	0.954	1.146
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.645								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.	0.096	1.34	0.	0.07	0.264	0.	0.	0.	0.44
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.6	0.785	4.	0.	0.601	0.775	0.	0.195	1.265	1.742

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	36 ##	2.	4.903	23.	1.5	38.626	6.215	1.5	1.5	4.	17.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	36 ##	0.301	0.481	1.362	0.176	0.149	0.385	0.176	0.176	0.602	1.232
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.03								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	49	0.	0.064	0.95	0.	0.038	0.196	0.	0.	0.01	0.16
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	49	0.79	0.974	4.26	0.	0.95	0.975	0.	0.115	1.63	2.25

** - 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 Inventory for Station: COLO0104

NPS Station ID: COLO0104 LAT/LON: 37.228337/ -76.482226 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05214
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 4.770 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 2.50 Distance from RF3: 0.16 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31612	COLIFORM, FECAL 10/ML	12/05/78-12/05/78	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
31612	LOG COLIFORM, FECAL 10/ML	12/05/78-12/05/78	1	0.556	0.556	0.556	0.556	0.	0.	**	**	**	**
31612	GM COLIFORM, FECAL 10/ML	GEOMETRIC MEAN =			3.6								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	102	4.	20.824	1100.	1.5	13715.543	117.113	1.5	1.5	9.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	102	0.602	0.611	3.041	0.176	0.24	0.49	0.176	0.176	0.954	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.085								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/74-12/07/82	43 ##	1.5	4.953	75.	1.5	127.647	11.298	1.5	1.5	3.6	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	12/05/74-12/07/82	43 ##	0.176	0.424	1.875	0.176	0.146	0.383	0.176	0.176	0.556	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.655								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	145	0.	0.074	1.34	0.	0.05	0.224	0.	0.	0.	0.188
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	145	0.58	0.883	7.18	0.	0.999	1.	0.	0.16	1.315	2.116

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

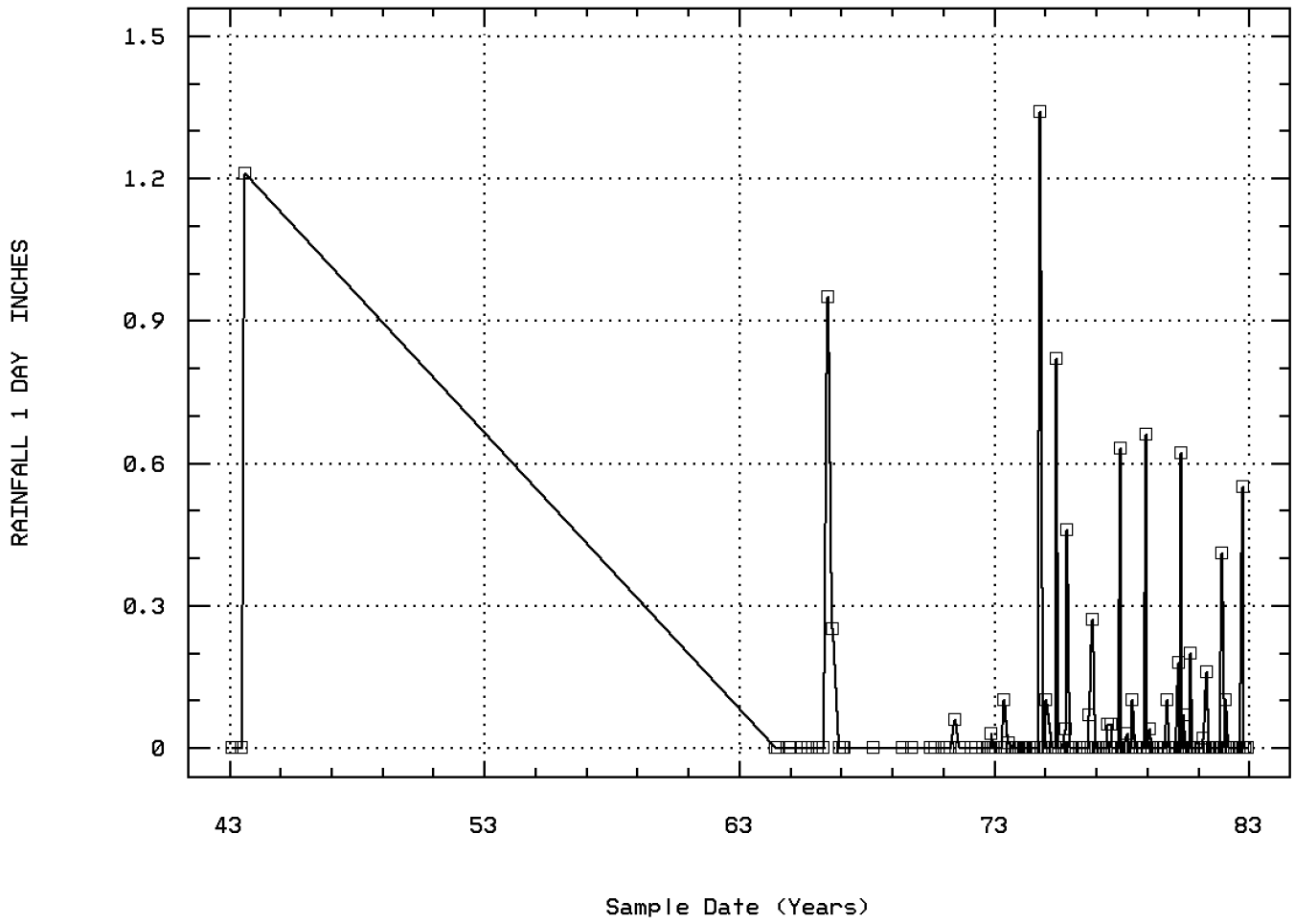
EPA Water Quality Criteria Analysis for Station: COLO0104

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	102	2	0.02	29	0	0.00	36	0	0.00	37	2	0.05			

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

Station: COL00104 Parameter Code: 82553

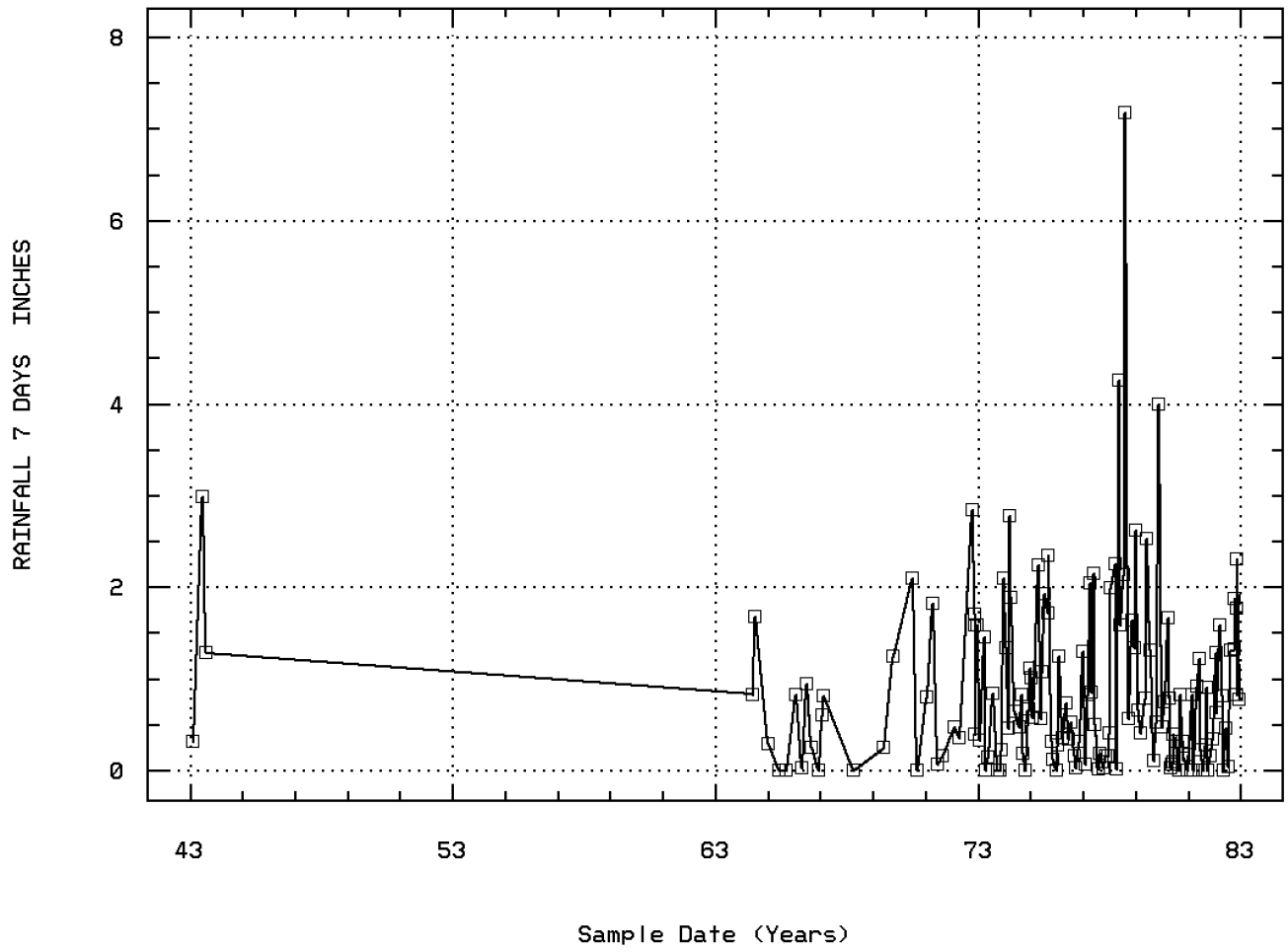
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00104 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1943 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	3 ##	1.5	2.333	4.	1.5	2.083	1.443	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	3 ##	0.176	0.318	0.602	0.176	0.06	0.246	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.08								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	3	0.	0.403	1.21	0.	0.488	0.699	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	3	1.28	1.527	2.98	0.32	1.815	1.347	**	**	**	**

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

Annual Analysis for 1964 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	5.5	5.5	9.	2.	24.5	4.95	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.628	0.628	0.954	0.301	0.213	0.462	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.243								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	3 ##	2.	2.667	4.	2.	1.333	1.155	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	3 ##	0.301	0.401	0.602	0.301	0.03	0.174	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.52								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	5 ##	2.	2.6	4.	1.5	1.675	1.294	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	5 ##	0.301	0.371	0.602	0.176	0.047	0.217	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.352								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	2 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	4 ##	2.75	7.5	23.	1.5	108.167	10.4	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	4 ##	0.389	0.579	1.362	0.176	0.313	0.559	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.793								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	7	4.	4.571	9.	1.5	10.202	3.194	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	7	0.602	0.563	0.954	0.176	0.103	0.32	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.657								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	7	1.58	1.276	2.84	0.35	0.849	0.921	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	9	4.	126.389	1100.	1.5	133310.299	365.117	1.5	1.5	9.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	9	0.602	0.836	3.041	0.176	0.788	0.888	0.176	0.176	0.954	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.861								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	9	0.	0.012	0.1	0.	0.001	0.033	0.	0.	0.005	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	9	0.22	0.566	2.1	0.	0.568	0.754	0.	0.	1.15	2.1

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

Annual Analysis for 1974 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	10	4.	5.65	23.	1.5	41.947	6.477	1.5	1.5	5.25	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	10	0.602	0.585	1.362	0.176	0.138	0.372	0.176	0.176	0.69	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.85								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11	4.	5.364	9.	1.5	12.955	3.599	1.5	1.5	9.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11	0.602	0.607	0.954	0.176	0.135	0.367	0.176	0.176	0.954	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.048								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11	7.	10.455	43.	1.5	152.023	12.33	1.5	4.	9.	39.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	11	0.845	0.806	1.633	0.176	0.198	0.445	0.176	0.602	0.954	1.579
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.391								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	10	0.	0.034	0.27	0.	0.007	0.086	0.	0.	0.018	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	10	0.35	0.528	1.3	0.03	0.191	0.437	0.043	0.243	0.86	1.295

** - Less than 9 observations ## - Computed with 50% or 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 COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	12	4.	6.167	23.	1.5	37.152	6.095	1.5	1.5	9.	18.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	12	0.602	0.626	1.362	0.176	0.154	0.393	0.176	0.176	0.954	1.239
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.228								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	10	4.	50.6	460.	1.5	20701.767	143.881	1.5	3.375	9.5	415.1
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	10	0.602	0.826	2.663	0.176	0.498	0.706	0.176	0.496	0.976	2.501
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.705								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	0.	0.072	0.66	0.	0.039	0.197	0.	0.	0.03	0.548
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	11	1.64	2.125	7.18	0.02	4.109	2.027	0.098	0.57	2.25	6.596

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

Annual Analysis for 1979 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	7	4.	8.643	39.	1.5	186.31	13.65	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	7	0.602	0.611	1.591	0.176	0.274	0.524	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.084								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

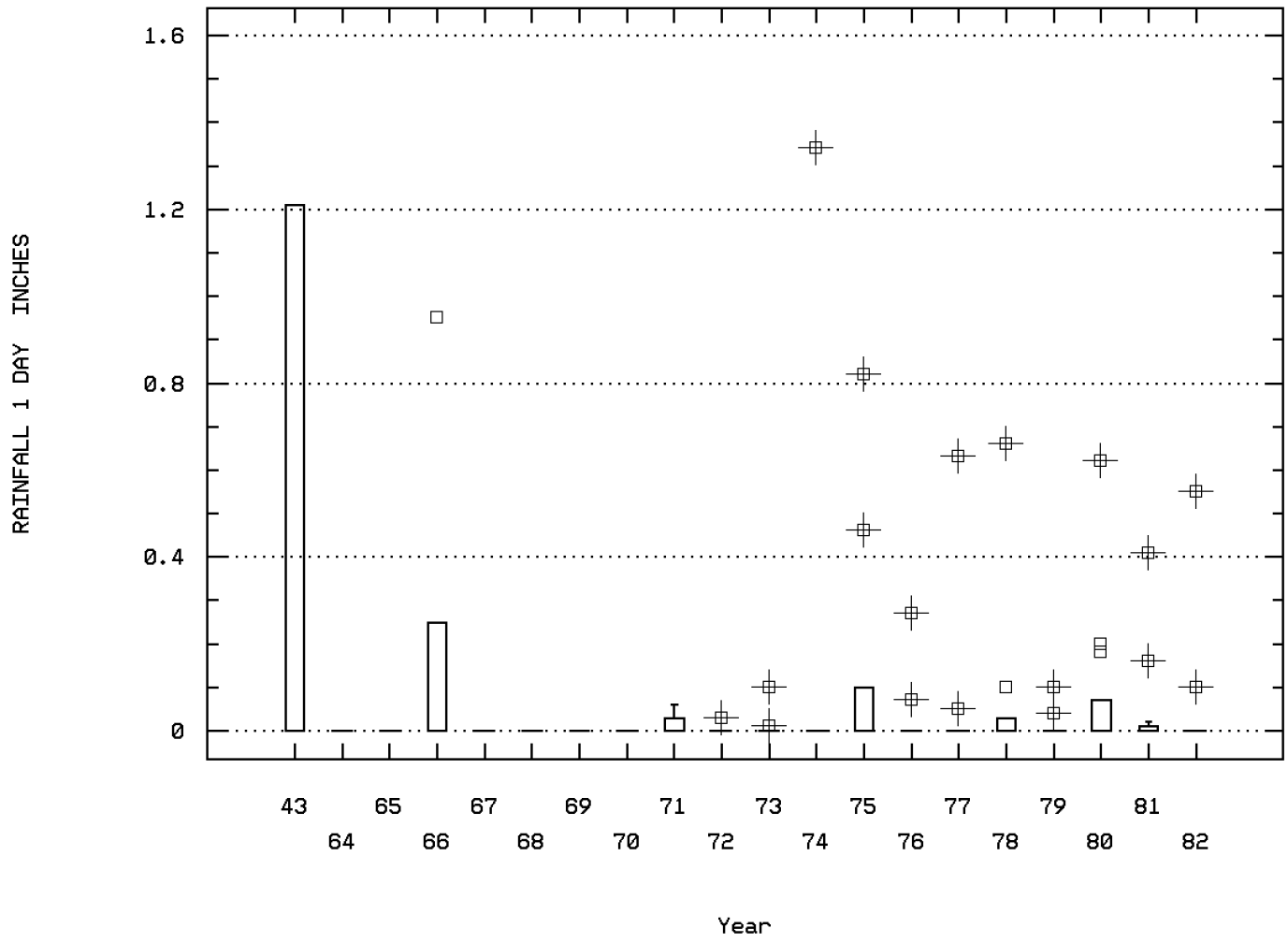
Annual Analysis for 1982 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	14	0.	0.046	0.55	0.	0.022	0.147	0.	0.	0.	0.325
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	14	1.05	1.07	2.3	0.	0.466	0.683	0.02	0.588	1.635	2.085

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

Station: COL00104 Parameter Code: 82553

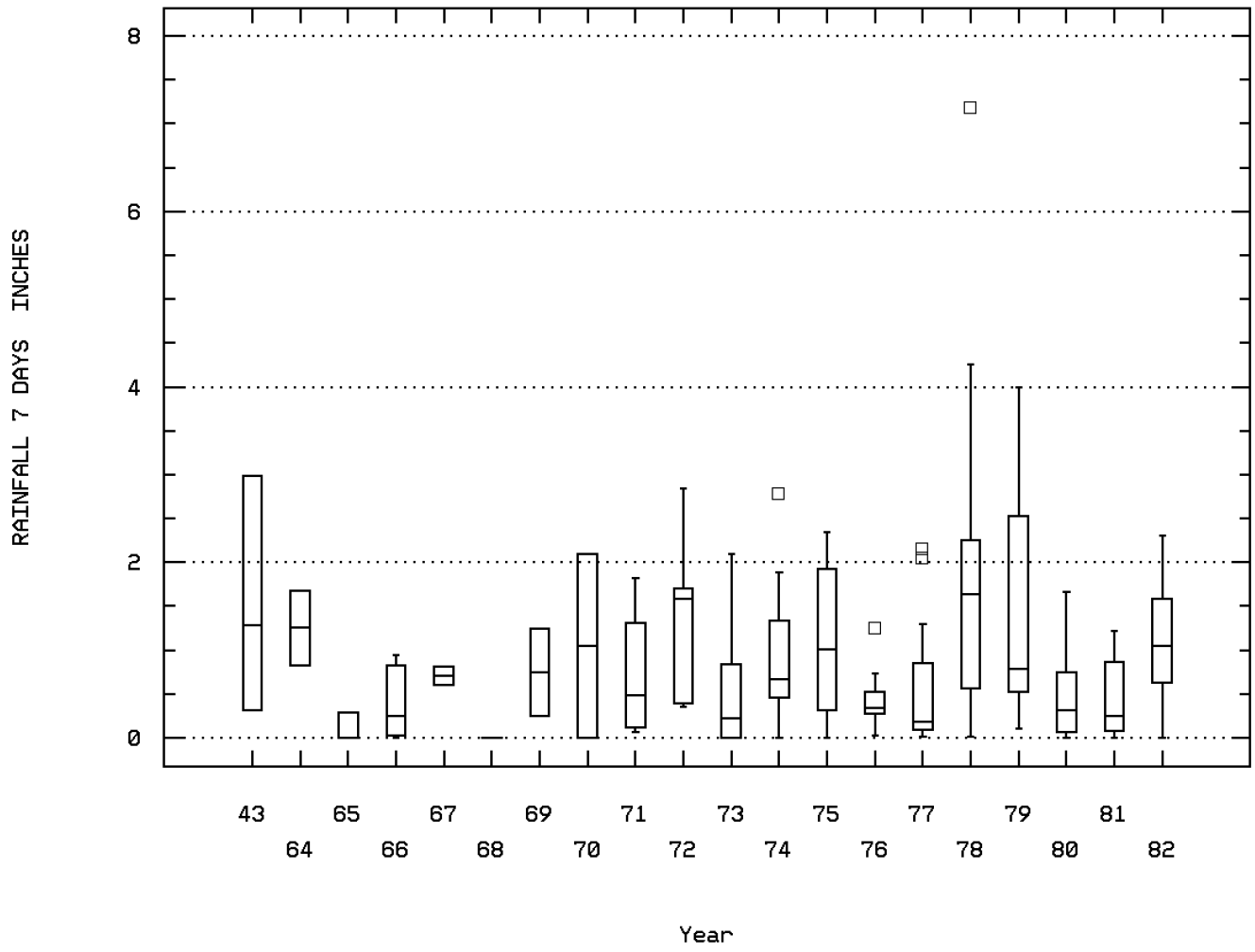
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0104 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	29	4.	4.845	23.	1.5	21.288	4.614	1.5	1.5	8.	9.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	29	0.602	0.541	1.362	0.176	0.122	0.35	0.176	0.176	0.9	0.954
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.472								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/74-12/07/82	13 ##	1.5	4.023	9.1	1.5	11.082	3.329	1.5	1.5	8.2	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	12/05/74-12/07/82	13 ##	0.176	0.468	0.959	0.176	0.124	0.353	0.176	0.176	0.911	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.939								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	42	0.	0.059	1.21	0.	0.042	0.206	0.	0.	0.	0.17
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	42	0.395	0.86	7.18	0.	1.576	1.255	0.	0.078	1.31	2.077

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	36	4.	5.472	43.	1.5	51.128	7.15	1.5	1.5	9.	9.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	36	0.602	0.556	1.633	0.176	0.14	0.374	0.176	0.176	0.954	0.954
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.597								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/74-12/07/82	16 ##	1.5	7.425	75.	1.5	331.334	18.203	1.5	1.5	6.375	28.87
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	12/05/74-12/07/82	16 ##	0.176	0.441	1.875	0.176	0.231	0.481	0.176	0.176	0.787	1.234
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.76								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	53	0.	0.095	1.34	0.	0.07	0.264	0.	0.	0.	0.44
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	53	0.63	0.829	4.	0.	0.631	0.794	0.024	0.245	1.29	1.902

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

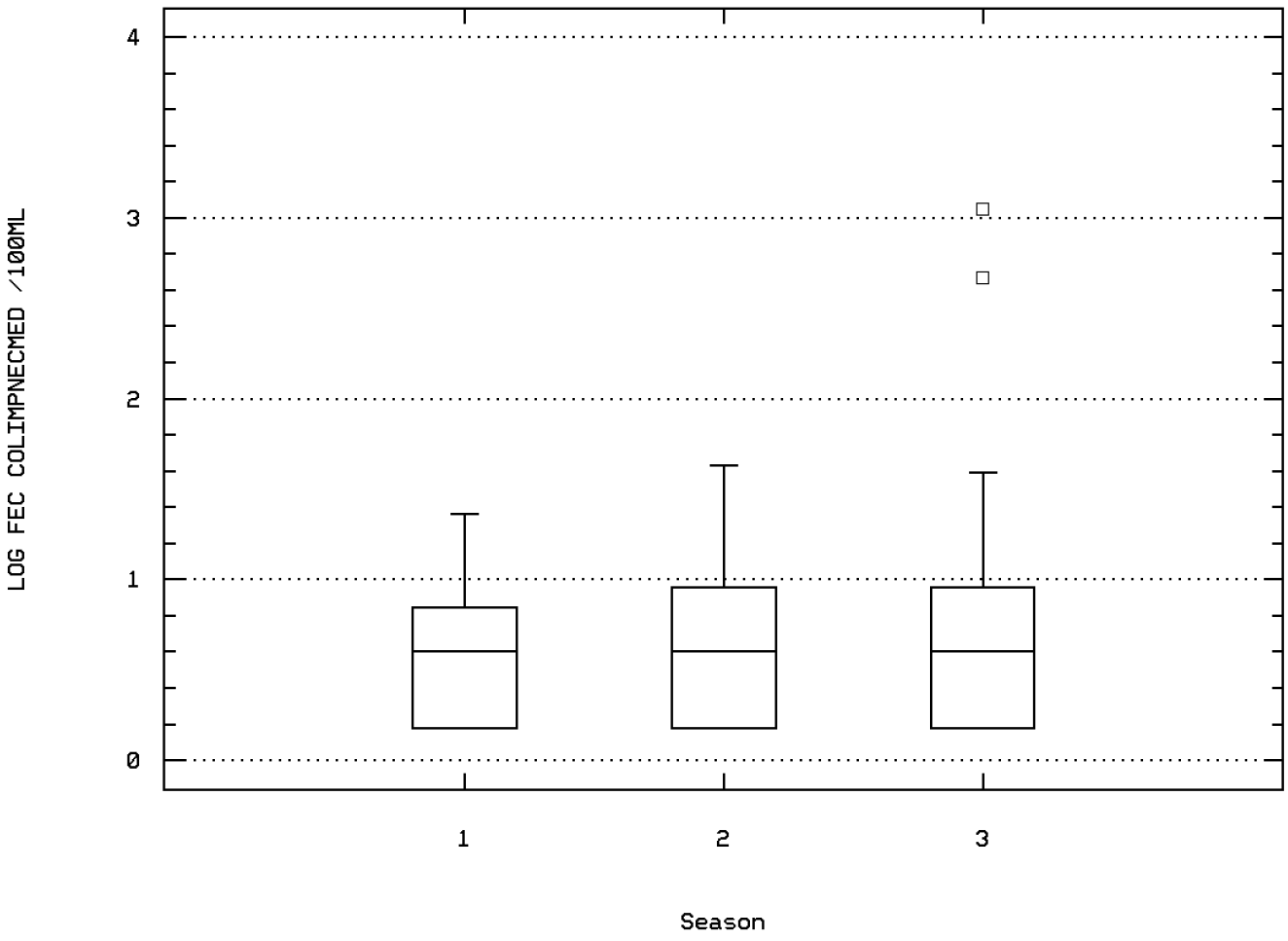
Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	37	4.	48.284	1100.	1.5	37197.105	192.866	1.5	1.5	9.	26.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/13/43-08/30/79	37	0.602	0.72	3.041	0.176	0.422	0.649	0.176	0.176	0.954	1.408
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.252								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/74-12/07/82	14 ##	1.5	2.993	9.1	1.5	7.338	2.709	1.5	1.5	3.6	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	12/05/74-12/07/82	14 ##	0.176	0.364	0.959	0.176	0.086	0.293	0.176	0.176	0.556	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.311								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	50	0.	0.063	0.95	0.	0.038	0.194	0.	0.	0.005	0.154
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	02/13/43-12/07/82	50	0.76	0.961	4.26	0.	0.939	0.969	0.	0.128	1.61	2.249

** - Less than 9 observations ## - Computed 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: COLO0104 Parameter Code: 31615

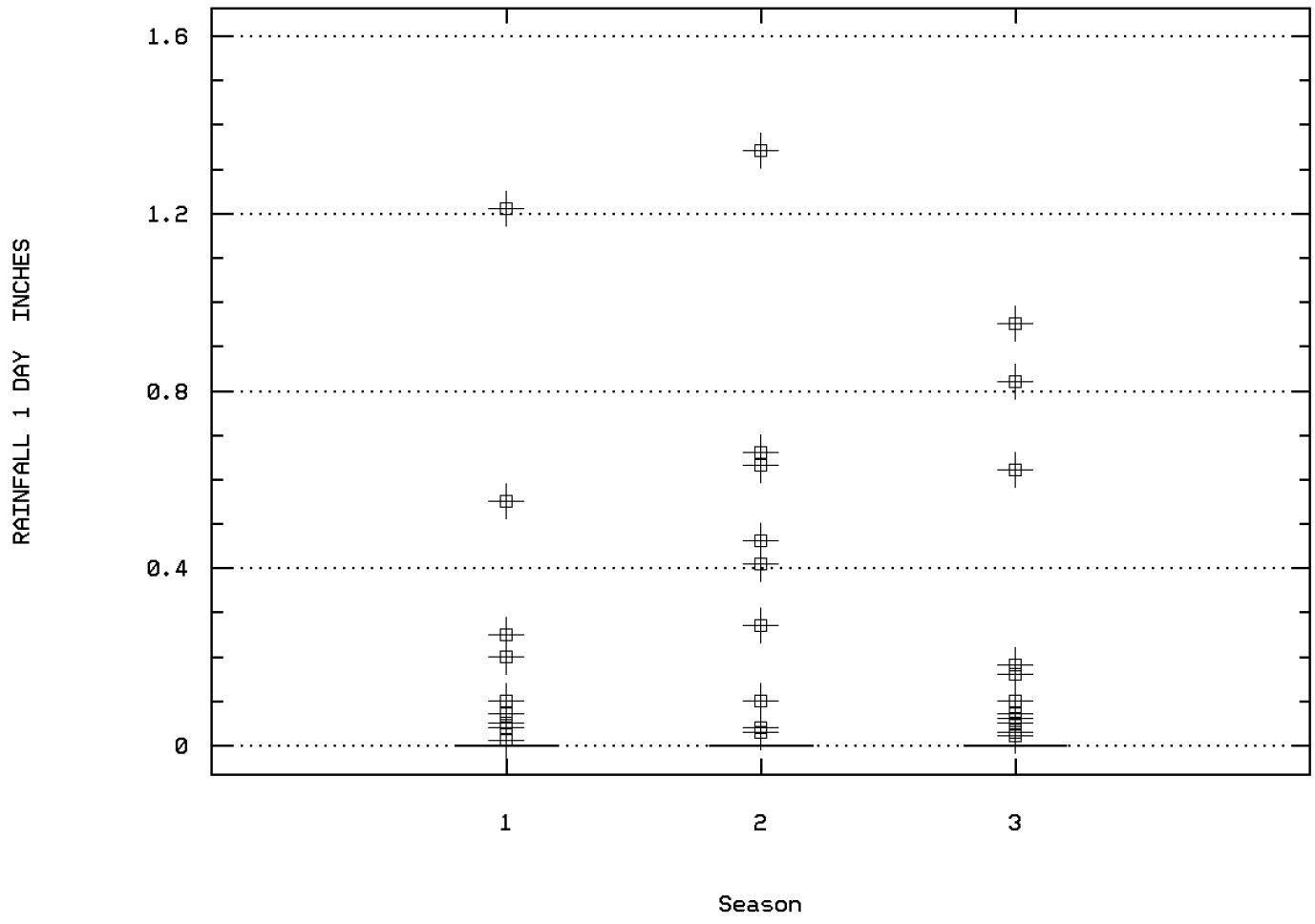
LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0104 Parameter Code: 82553

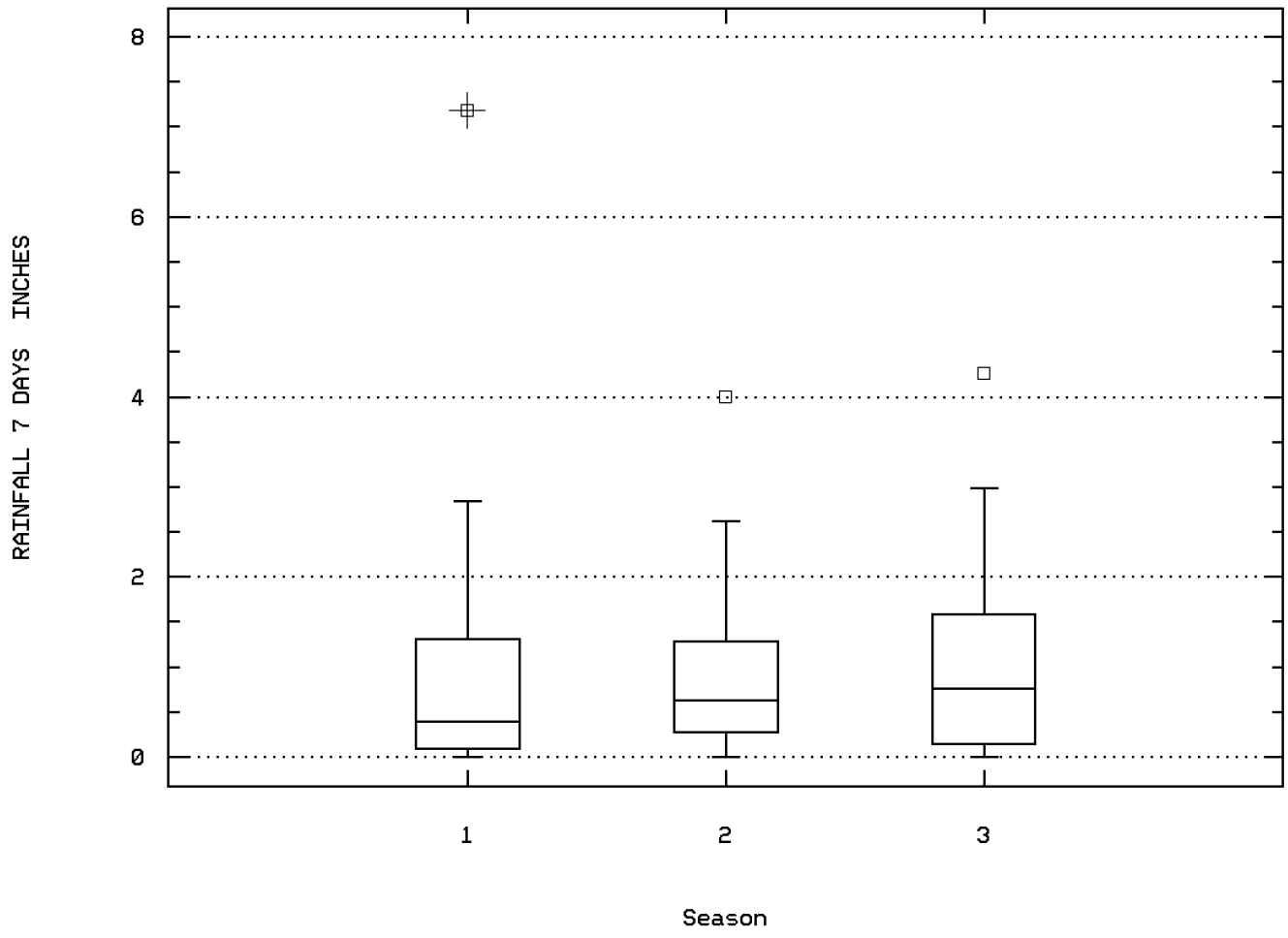
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0104 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station Inventory for Station: COLO0105

NPS Station ID: COLO0105
Location: 57F 7
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206001610.54
Description:

LAT/LON: 37.228615/ -76.668893
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 11.57

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371343076400801
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 2.80
Distance from RF3: 0.10

Date Created: 06/29/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-08/02/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-08/02/77	1	1190.	1190.	1190.	1190.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/77-08/02/77	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/77-08/02/77	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/77-08/02/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-08/02/77	1	420.	420.	420.	420.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-08/02/77	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-08/02/77	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-08/02/77	1	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-08/02/77	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-08/02/77	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-08/02/77	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-08/02/77	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-08/02/77	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/02/77-08/02/77	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/02/77-08/02/77	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-08/02/77	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-08/02/77	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-08/02/77	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-08/02/77	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-08/02/77	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-08/02/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-08/02/77	1	685.	685.	685.	685.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-08/02/77	1	723.	723.	723.	723.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-08/02/77	1	0.93	0.93	0.93	0.93	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-08/02/77	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-08/02/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	1	470.	470.	470.	470.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	1	424.	424.	424.	424.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-08/02/77	1	463.	463.	463.	463.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0105

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: COLO0106

NPS Station ID: COLO0106 LAT/LON: 37.229448/ -76.490837 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0522
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 6.020 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.03 RF3 Mile Point: 2.02 Distance from RF3: 0.22 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	64	4.	6.555	43.	1.5	79.318	8.906	1.5	1.5	7.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	64	0.602	0.576	1.633	0.176	0.177	0.42	0.176	0.176	0.845	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.765								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	40 ##	1.5	5.565	75.	1.5	174.384	13.205	1.5	1.5	3.6	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	40 ##	0.176	0.405	1.875	0.176	0.165	0.407	0.176	0.176	0.556	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.539								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	103	0.	0.054	0.95	0.	0.025	0.159	0.	0.	0.	0.172
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	103	0.5	0.824	7.18	0.	1.118	1.057	0.	0.1	1.25	2.076

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: COLO0106

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	64	0	0.00	19	0	0.00	19	0	0.00	26	0	0.00			

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

Annual Analysis for 1964 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.47	1.22	2.84	0.35	1.972	1.404	**	**	**	**

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

Annual Analysis for 1976 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.049	0.27	0.	0.01	0.101	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.34	0.486	1.3	0.03	0.182	0.426	**	**	**	**

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

Annual Analysis for 1977 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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 1982 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19 ##	2.	4.684	23.	1.5	31.45	5.608	1.5	1.5	4.	15.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19 ##	0.301	0.486	1.362	0.176	0.138	0.371	0.176	0.176	0.602	1.176
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.062								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	31	0.	0.039	0.55	0.	0.012	0.112	0.	0.	0.	0.18
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	31	0.27	0.785	7.18	0.	1.916	1.384	0.	0.03	1.25	2.048

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19	4.	7.868	43.	1.5	115.246	10.735	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19	0.602	0.626	1.633	0.176	0.219	0.467	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.228								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	33	0.	0.065	0.66	0.	0.03	0.172	0.	0.	0.	0.354
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	33	0.63	0.805	4.	0.	0.722	0.85	0.024	0.165	1.055	1.902

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	26	4.	6.962	43.	1.5	90.118	9.493	1.5	1.5	7.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	26	0.602	0.604	1.633	0.176	0.179	0.424	0.176	0.176	0.872	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.022								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	39	0.	0.057	0.95	0.	0.033	0.181	0.	0.	0.02	0.16
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	39	0.73	0.87	4.26	0.	0.878	0.937	0.	0.07	1.59	2.15

** - 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

Station Inventory for Station: COLO0107

NPS Station ID: COLO0107
Location: YORK RIV VCB0069
Station Type: /TYPA/AMBNT/ESTURY
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: NORTH ATLANTIC
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
RF1 Index: 02080107002
RF3 Index: 02080107000801.14
Description:
12.8 781108

LAT/LON: 37.229615/ -76.475504
Depth of Water: 42
Elevation: 0
RF1 Mile Point: 4.570
RF3 Mile Point: 1.13

Agency: CHESBAY
FIPS State/County: 51990 VIRGINIA/
STORET Station ID(s): XQF3885 /X369000
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.69

Date Created: 10/06/79
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80250	SEDIMENT PARTICLE SIZE FRACT.<.0625MM % DRY WEIGHT	11/08/78-11/08/78	1	100.	100.	100.	100.	0.	0.	**	**	**	**
80251	SEDIMENT PRCTL.SIZE CLASS.06-.125MMV-FINESAND%DRWT	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80252	SEDIMENT PRTCL.SIZE CLASS.125-.250MMFINESAND%DRYWT	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80253	SEDIMENT PRCTL.SIZE CLASS0.25-.50MMMED SAND %DRYWT	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80254	SEDIMENT PRCTL.SIZE CLASS0.5-2.0MMCRS SAND %DRYWT	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80255	SEDIMENT PRCTL.SIZE CLASS1.0-2.0MMV-CRS SAND%DRYWT	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80256	SEDIMENT PRTCL.SIZE CLASS>2.0MM GRAVEL % DRY WT.	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0108

NPS Station ID: COLO0108 LAT/LON: 37.232504/ -76.489170 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05215
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 5.390 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 2.20 Distance from RF3: 0.41 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	68 ##	2.	10.728	460.	1.5	3081.764	55.514	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	68 ##	0.301	0.463	2.663	0.176	0.188	0.434	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.904								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	42	3.	9.502	240.	1.5	1344.759	36.671	1.5	1.5	3.6	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	42	0.477	0.492	2.38	0.176	0.189	0.435	0.176	0.176	0.556	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.106								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	109	0.	0.051	0.95	0.	0.024	0.155	0.	0.	0.	0.16
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	109	0.57	0.876	7.18	0.	1.107	1.052	0.	0.145	1.315	2.1

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

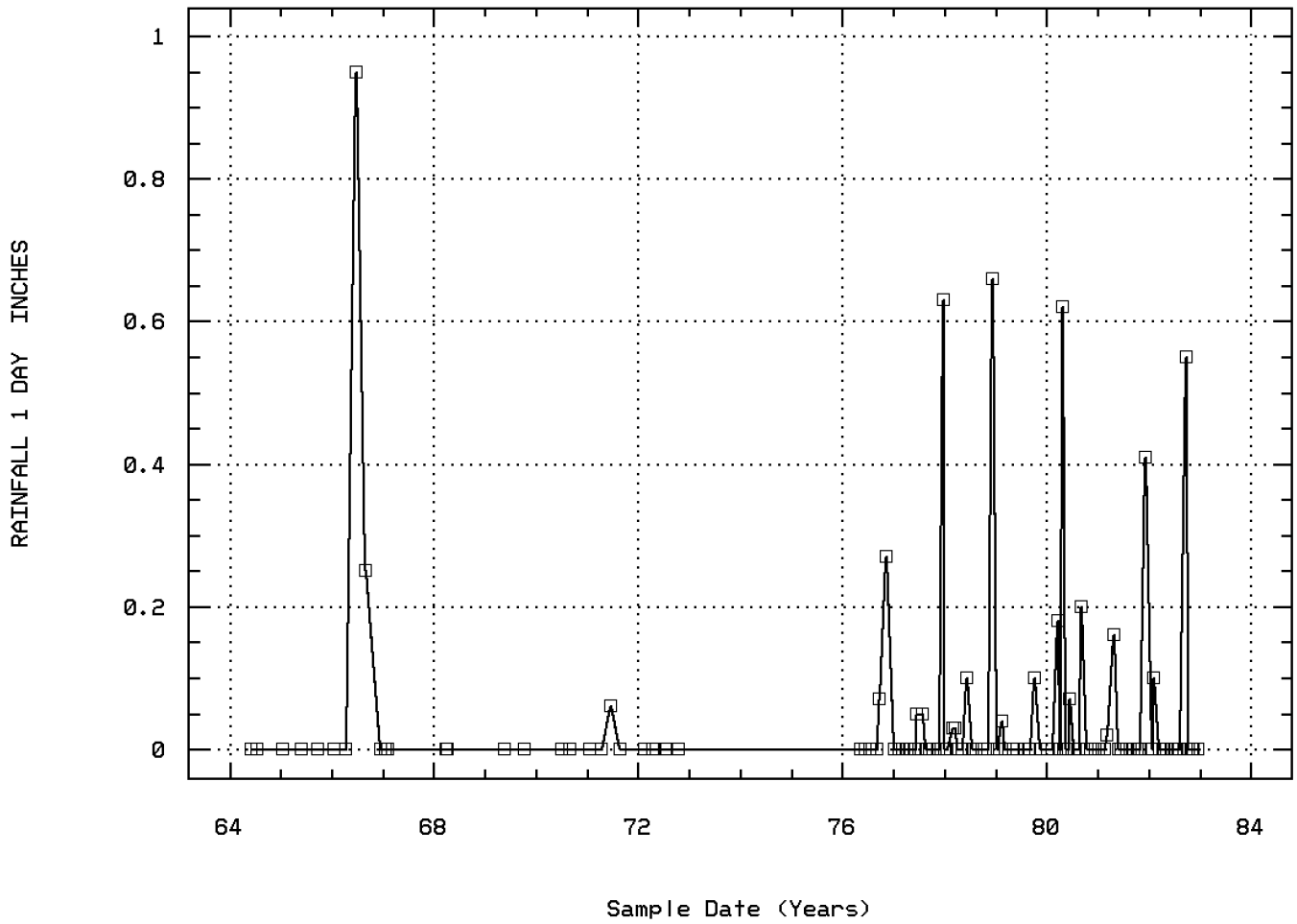
EPA Water Quality Criteria Analysis for Station: COLO0108

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	68	1	0.01	23	0	0.00	19	0	0.00	26	1	0.04			

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

Station: COL00108 Parameter Code: 82553

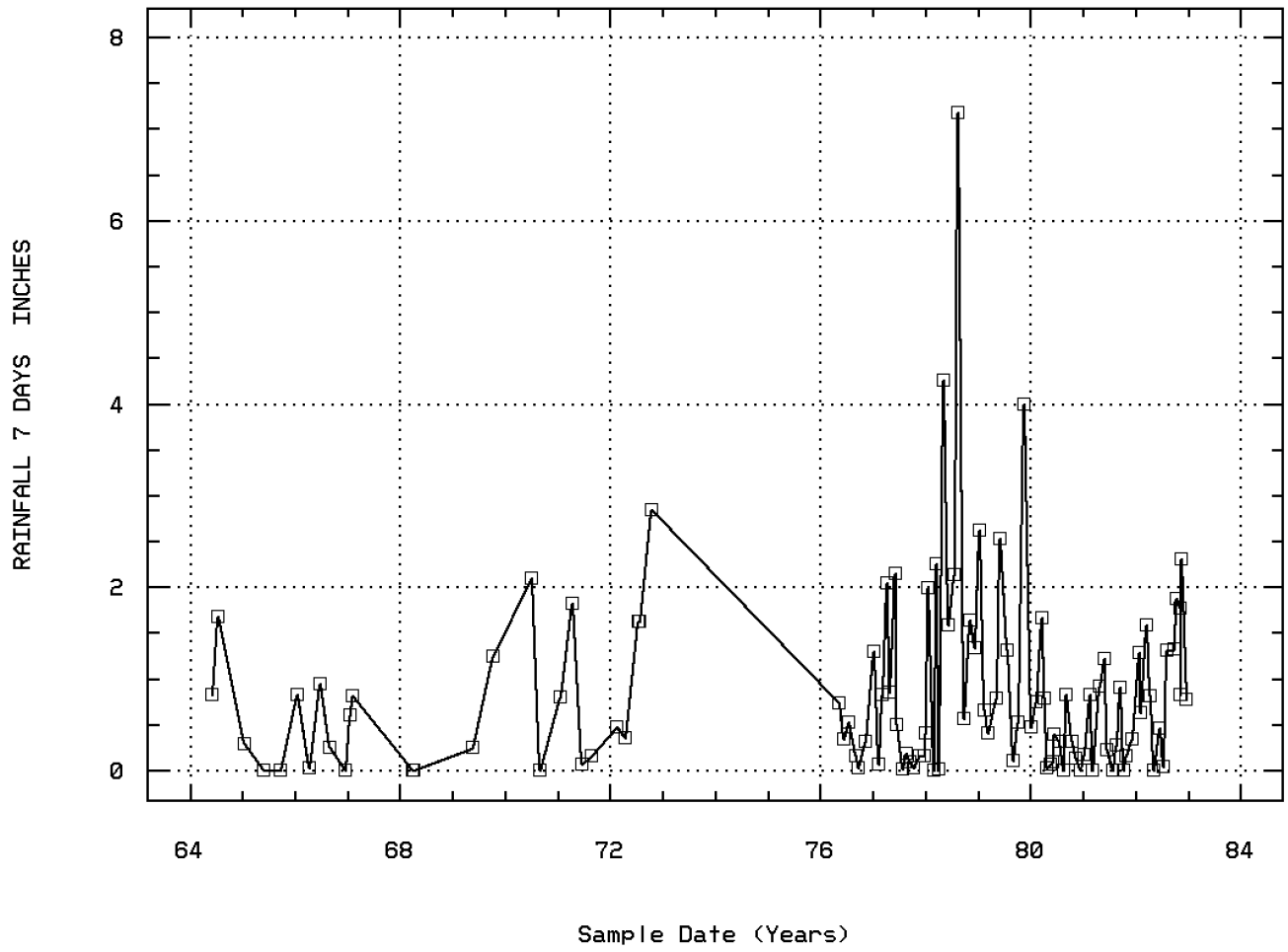
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00108 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	1.62	1.449	2.84	0.35	0.703	0.838	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.049	0.27	0.	0.01	0.101	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.34	0.486	1.3	0.03	0.182	0.426	**	**	**	**

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

Annual Analysis for 1977 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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 1982 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.046	0.55	0.	0.022	0.147	0.	0.	0.	0.325
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	1.05	1.07	2.3	0.	0.466	0.683	0.02	0.588	1.635	2.085

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	23 ##	1.5	4.196	23.	1.5	38.062	6.169	1.5	1.5	4.	17.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	23 ##	0.176	0.406	1.362	0.176	0.135	0.367	0.176	0.176	0.602	1.199
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.545								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	36	0.	0.034	0.55	0.	0.011	0.104	0.	0.	0.	0.13
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	36	0.425	0.908	7.18	0.	1.74	1.319	0.	0.053	1.545	1.951

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19 ##	1.5	3.474	23.	1.5	23.68	4.866	1.5	1.5	4.	4.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19 ##	0.176	0.386	1.362	0.176	0.094	0.306	0.176	0.176	0.602	0.602
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.433								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	34	0.	0.063	0.66	0.	0.029	0.17	0.	0.	0.	0.34
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	34	0.645	0.849	4.	0.	0.766	0.875	0.03	0.168	1.285	2.145

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	26 ##	2.	21.808	460.	1.5	8001.662	89.452	1.5	1.5	9.	10.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	26 ##	0.301	0.57	2.663	0.176	0.299	0.547	0.176	0.176	0.954	1.021
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.713								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	39	0.	0.057	0.95	0.	0.033	0.181	0.	0.	0.02	0.16
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	39	0.73	0.87	4.26	0.	0.878	0.937	0.	0.07	1.59	2.15

** - 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

Station Inventory for Station: COLO0109

NPS Station ID: COLO0109
Location: 57F 14
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206002000.00
Description:

LAT/LON: 37.233616/ -76.651392
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371401076390501
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 2.00
Distance from RF3: 0.03

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/77-06/02/78	2	18.5	18.5	22.	15.	24.5	4.95	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	12/12/77-06/02/78	2	77.5	77.5	150.	5.	10512.5	102.53	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/12/77-06/02/78	2	204.5	204.5	300.	109.	18240.5	135.057	**	**	**	**
00400	PH (STANDARD UNITS)	12/12/77-06/02/78	2	7.85	7.85	8.8	6.9	1.805	1.344	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/12/77-06/02/78	2	7.196	7.196	8.8	6.9	2.661	1.631	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/12/77-06/02/78	2	0.064	0.064	0.126	0.002	0.008	0.088	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	12/12/77-06/02/78	2	16.05	16.05	32.	0.1	508.805	22.557	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/12/77-06/02/78	2	86.	86.	130.	42.	3872.	62.225	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/12/77-06/02/78	2	105.5	105.5	160.	51.	5940.5	77.075	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	12/12/77-06/02/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/12/77-06/02/78	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/12/77-06/02/78	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/12/77-06/02/78	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/12/77-06/02/78	2	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/12/77-06/02/78	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/02/78-06/02/78	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/02/78-06/02/78	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/12/77-06/02/78	2	94.	94.	140.	48.	4232.	65.054	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	12/12/77-06/02/78	2	8.5	8.5	11.	6.	12.5	3.536	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/12/77-06/02/78	2	36.	36.	55.	17.	722.	26.87	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/12/77-06/02/78	2	1.25	1.25	1.4	1.1	0.045	0.212	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/12/77-06/02/78	2	4.6	4.6	4.8	4.4	0.08	0.283	**	**	**	**
00931	SODIUM ADSORPTION RATIO	12/12/77-06/02/78	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
00932	SODIUM, PERCENT	12/12/77-06/02/78	2	11.	11.	15.	7.	32.	5.657	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/12/77-06/02/78	2	3.8	3.8	5.8	1.8	8.	2.828	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/12/77-06/02/78	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/12/77-06/02/78	2	10.	10.	11.	9.	2.	1.414	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/12/77-06/02/78	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/12/77-06/02/78	2	6.45	6.45	9.9	3.	23.805	4.879	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/12/77-06/02/78	2	90.	90.	160.	20.	9800.	98.995	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/12/77-06/02/78	2	147.5	147.5	177.	118.	1740.5	41.719	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	12/12/77-06/02/78	2	119.5	119.5	167.	72.	4512.5	67.175	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/12/77-06/02/78	2	0.2	0.2	0.24	0.16	0.003	0.057	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/12/77-06/02/78	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/12/77-06/02/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	12/12/77-12/12/77	1	126.	126.	126.	126.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	12/12/77-06/02/78	2	106.	106.	106.	106.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	12/12/77-06/02/78	2	126.	126.	126.	126.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00				1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00				1	0	0.00	1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00				1	0	0.00	1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00				1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00				1	0	0.00	1	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00				1	0	0.00	1	0	0.00			

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

Station Inventory for Station: COLO0110

NPS Station ID: COLO0110 LAT/LON: 37.234726/ -76.499448 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0521
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 6.010 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 1.80 Distance from RF3: 0.05 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	105	4.	12.305	240.	1.5	752.791	27.437	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	105	0.602	0.701	2.38	0.176	0.269	0.519	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.02								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	40	3.6	5.05	23.	1.5	25.307	5.031	1.5	1.5	9.1	14.41
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	40	0.556	0.53	1.362	0.176	0.144	0.379	0.176	0.176	0.959	1.154
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.388								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	144	0.	0.074	1.34	0.	0.051	0.225	0.	0.	0.	0.19
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	144	0.575	0.873	7.18	0.	0.992	0.996	0.	0.16	1.31	2.1

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

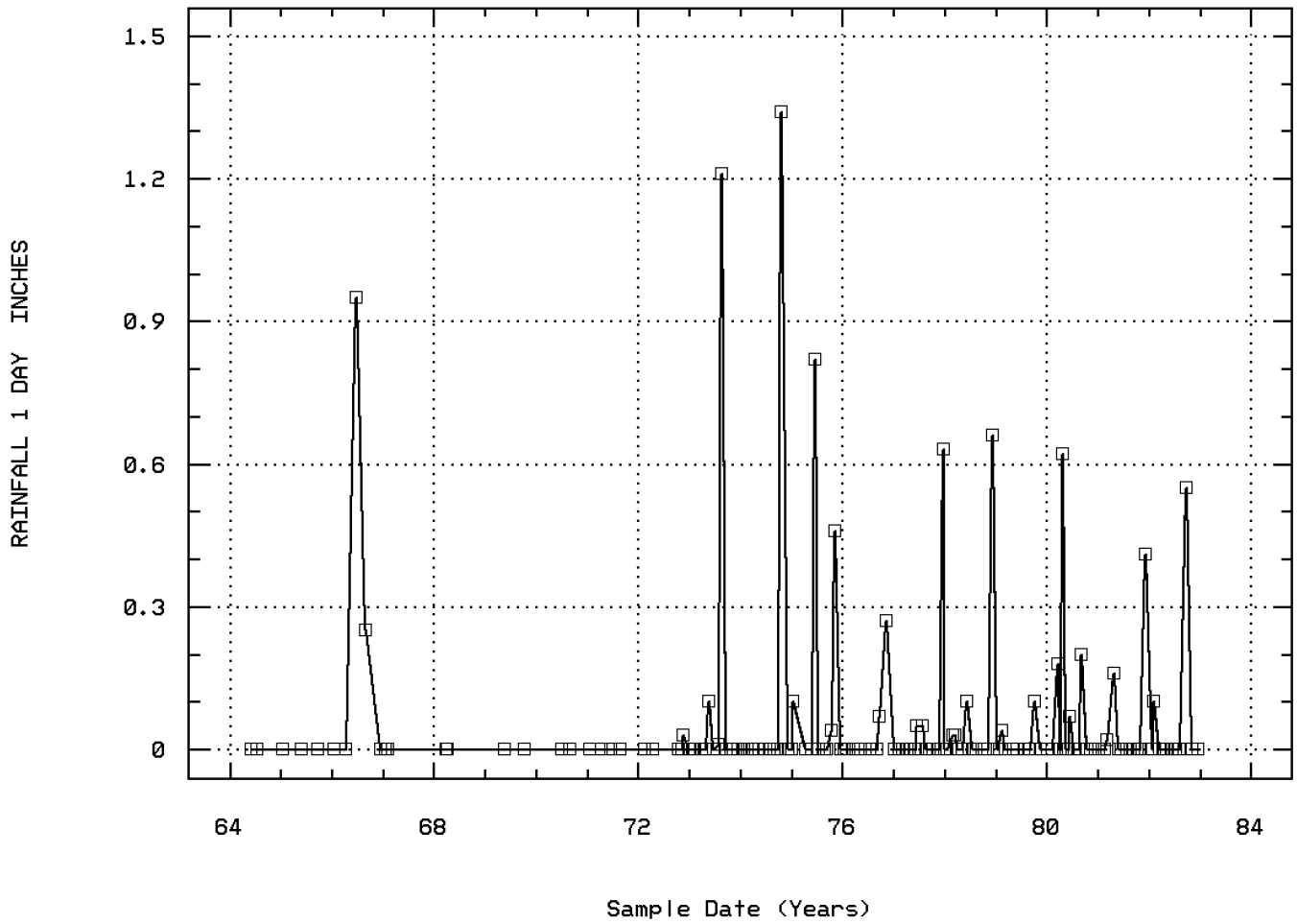
EPA Water Quality Criteria Analysis for Station: COLO0110

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	105	1	0.01	29	0	0.00	39	0	0.00	37	1	0.03			

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

Station: COLO0110 Parameter Code: 82553

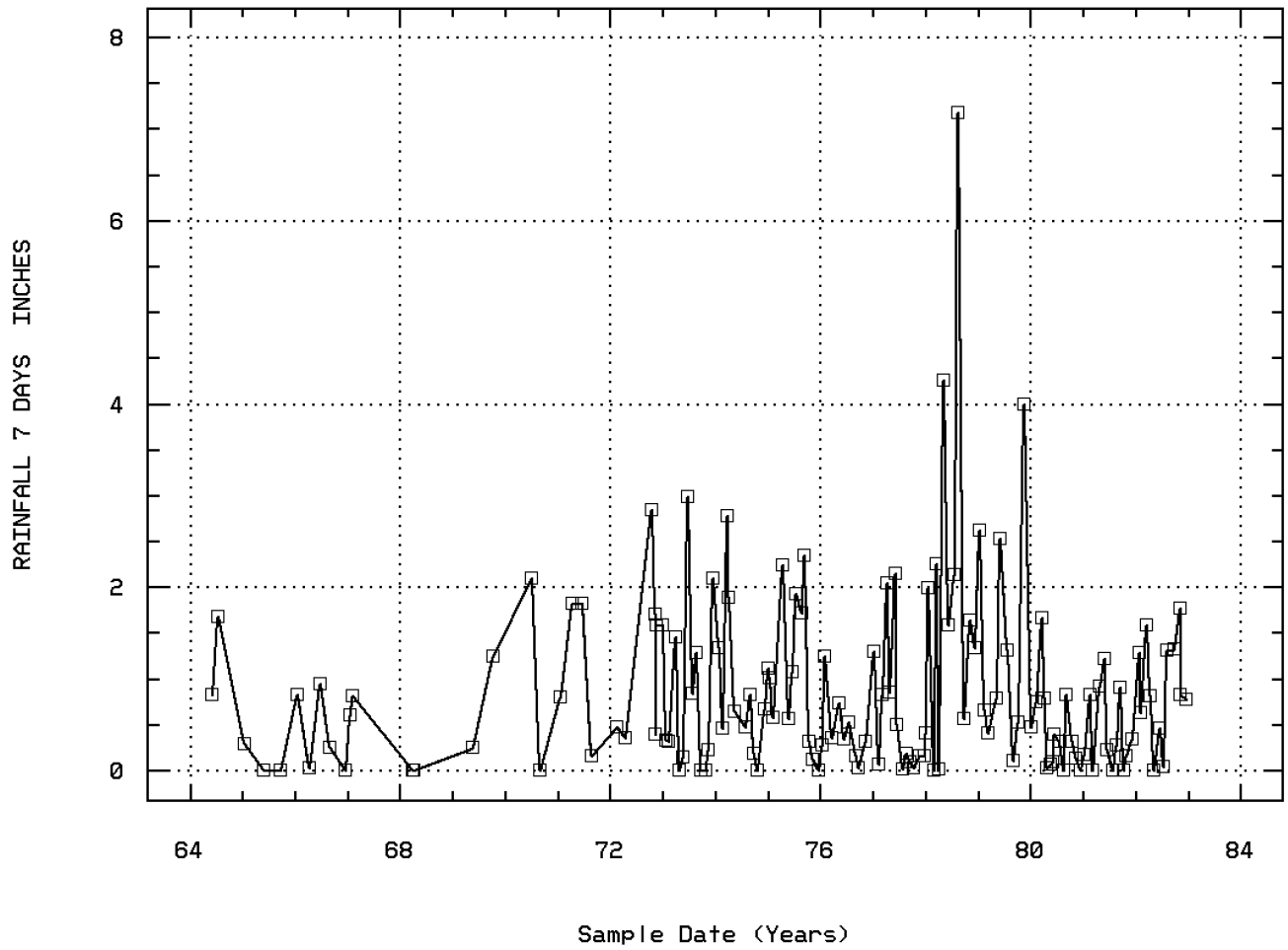
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00110 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	3 ##	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5 ##	2.	6.5	23.	1.5	86.	9.274	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	5 ##	0.301	0.548	1.362	0.176	0.231	0.481	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.535								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.389	0.389	0.602	0.176	0.091	0.301	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	8.25	8.25	15.	1.5	91.125	9.546	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2 ##	0.676	0.676	1.176	0.176	0.5	0.707	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.743								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	2	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4 ##	1.5	6.875	23.	1.5	115.563	10.75	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	4 ##	0.176	0.473	1.362	0.176	0.351	0.593	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.968								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	1.31	1.15	1.82	0.16	0.667	0.817	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	4.	5.786	15.	1.5	21.821	4.671	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	0.602	0.656	1.176	0.176	0.105	0.324	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.526								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	1.58	1.276	2.84	0.35	0.849	0.921	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	4.	9.792	43.	1.5	150.294	12.259	1.5	2.125	13.5	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.602	0.742	1.633	0.176	0.224	0.473	0.176	0.283	1.121	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.524								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.11	1.21	0.	0.121	0.348	0.	0.	0.008	0.877
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.325	0.806	2.98	0.	0.932	0.965	0.	0.035	1.415	2.716

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

Annual Analysis for 1974 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11 ##	1.5	2.455	7.	1.5	3.273	1.809	1.5	1.5	4.	6.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11 ##	0.176	0.314	0.845	0.176	0.06	0.245	0.176	0.176	0.602	0.796
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.062								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	4.	17.182	93.	1.5	795.064	28.197	1.5	1.5	23.	83.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.602	0.788	1.968	0.176	0.404	0.635	0.176	0.176	1.362	1.901
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.142								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	9.	30.864	240.	1.5	4890.955	69.935	1.5	1.5	23.	196.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	11	0.954	0.919	2.38	0.176	0.458	0.677	0.176	0.176	1.362	2.177
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.294								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.	0.034	0.27	0.	0.007	0.086	0.	0.	0.018	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.35	0.528	1.3	0.03	0.191	0.437	0.043	0.243	0.86	1.295

** - Less than 9 observations ## - Computed with 50% or 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 COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	4.	17.083	93.	1.5	718.947	26.813	1.5	3.25	21.	78.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.602	0.861	1.968	0.176	0.321	0.567	0.176	0.508	1.315	1.868
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.26								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	4.	12.5	43.	1.5	236.227	15.37	1.5	4.	19.5	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	12	0.602	0.825	1.633	0.176	0.247	0.497	0.176	0.602	1.26	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.683								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	15.	15.786	43.	1.5	197.155	14.041	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	7	1.176	1.011	1.633	0.176	0.239	0.489	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.266								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

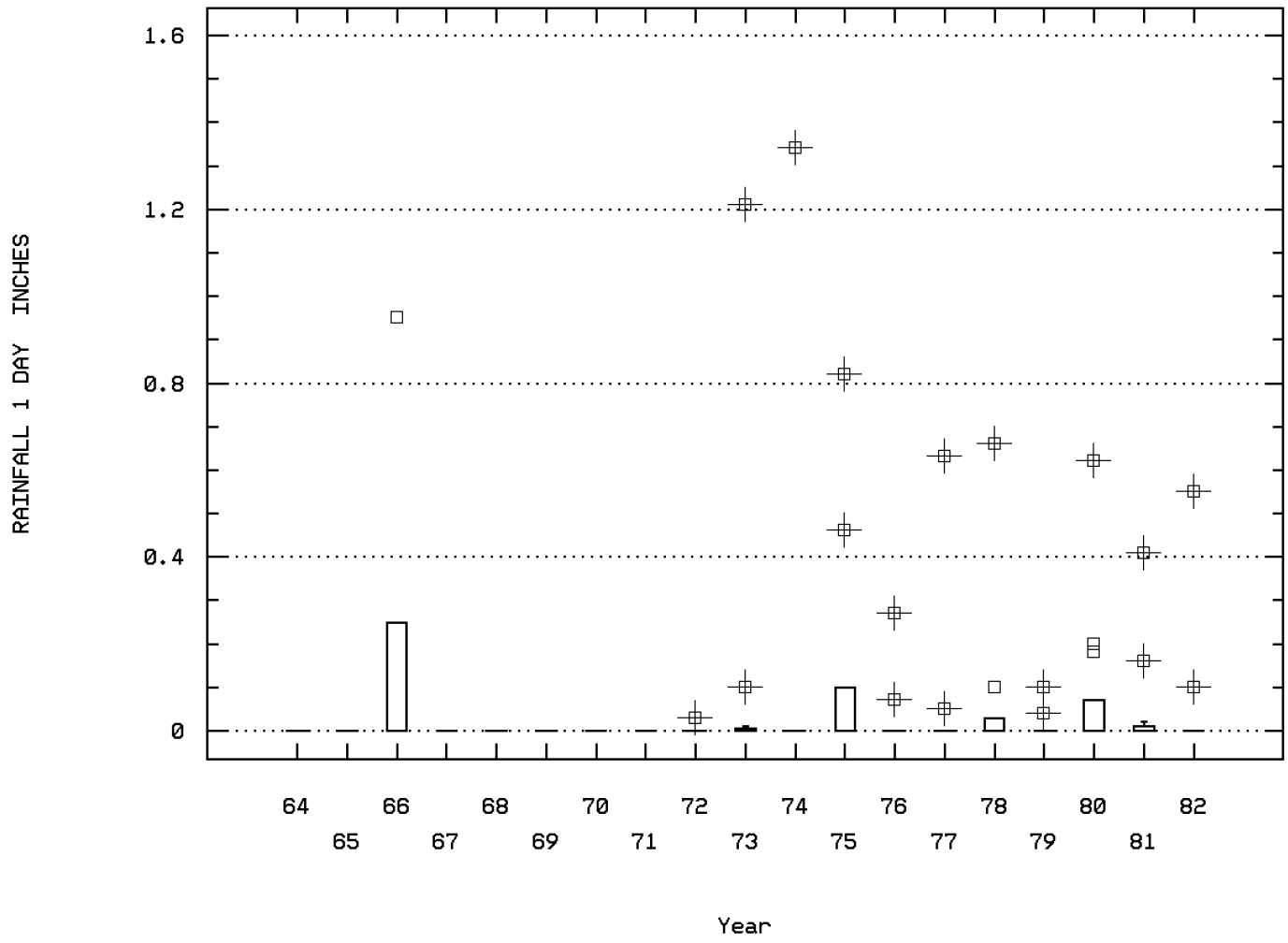
Annual Analysis for 1982 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Station: COL00110 Parameter Code: 82553

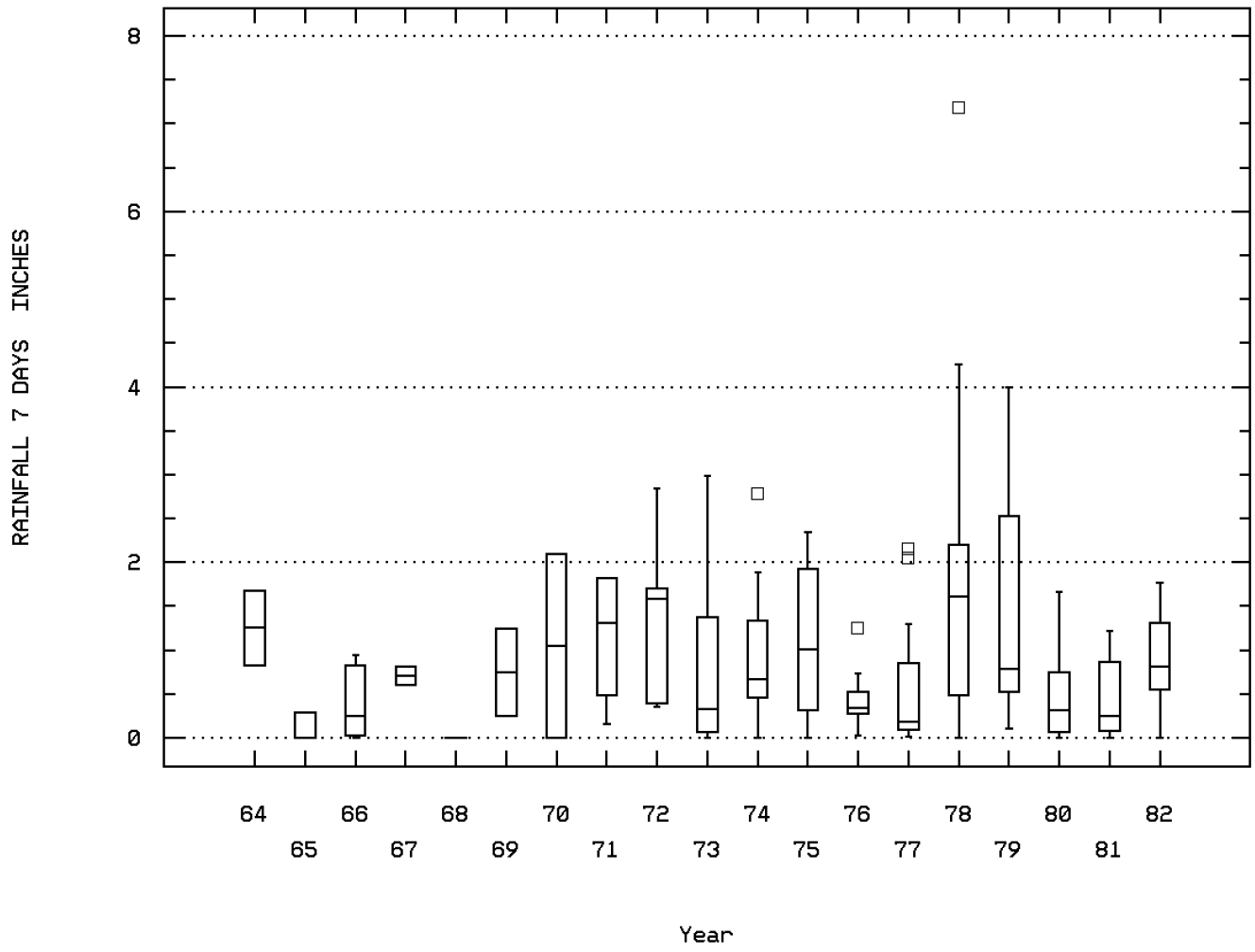
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00110 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29	4.	12.845	93.	1.5	370.109	19.238	1.5	1.75	15.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	29	0.602	0.779	1.968	0.176	0.28	0.529	0.176	0.239	1.176	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.009								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.	0.06	1.21	0.	0.043	0.208	0.	0.	0.	0.18
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.32	0.835	7.18	0.	1.589	1.261	0.	0.065	1.295	2.098

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	4.	5.295	43.	1.5	57.009	7.55	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	39	0.602	0.522	1.633	0.176	0.139	0.373	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.328								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.	0.096	1.34	0.	0.07	0.264	0.	0.	0.	0.44
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.6	0.785	4.	0.	0.601	0.775	0.	0.195	1.265	1.742

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	7.	19.27	240.	1.5	1723.355	41.513	1.5	1.5	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	37	0.845	0.828	2.38	0.176	0.358	0.598	0.176	0.176	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.724								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	50	0.	0.062	0.95	0.	0.038	0.195	0.	0.	0.	0.154
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	50	0.79	0.996	4.26	0.	0.936	0.968	0.	0.2	1.708	2.249

** - Less than 9 observations ## - Computed 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: COLO0111

NPS Station ID: COLO0111
Location: VIMS STATION L52 - YORK RIVER
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: NORTH ATLANTIC
Minor Basin: RAPPAHANNOCK-YORK RIVERS
RF1 Index: 02080107004
RF3 Index: 02080107003800.00
Description:

LAT/LON: 37.234726/ -76.501115
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 6.970
RF3 Mile Point: 0.36

Agency: CHESBAY
FIPS State/County: 51073 VIRGINIA/GLOUCESTER
STORET Station ID(s): XQE4199
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.09

Date Created: 02/05/83
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	2356	17.2	15.78	30.6	0.	70.655	8.406	4.2	7.725	24.2	26.1
00480	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	2309	19.7	19.598	26.6	10.6	5.949	2.439	16.3	18.	21.4	22.7

** - 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

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

Annual Analysis for 1955 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	74	21.85	21.739	28.9	15.8	12.894	3.591	16.7	18.9	24.85	26.7
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	74	19.1	19.591	22.6	16.5	2.011	1.418	17.9	18.6	20.8	21.65

** - 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 1956 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	161	19.4	19.158	30.6	7.2	40.901	6.395	9.16	12.8	25.45	26.7
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	161	19.3	19.173	22.5	16.	1.796	1.34	17.3	18.1	20.	20.98

** - 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 1957 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	298	14.45	16.233	30.	3.2	70.421	8.392	5.6	7.875	25.375	26.9
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	297	19.2	19.249	23.8	12.4	6.731	2.594	15.7	17.3	21.9	22.6

** - 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 1958 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	238	10.5	12.033	28.3	0.	63.538	7.971	3.3	4.4	18.325	24.2
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	238	19.3	18.171	21.8	11.5	7.795	2.792	13.5	15.95	20.5	20.9

** - 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 1959 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	168	7.8	9.599	26.7	0.3	37.277	6.106	3.18	5.225	14.35	20.
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	168	19.2	19.169	22.1	16.1	1.419	1.191	17.49	18.4	20.1	20.41

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

Annual Analysis for 1960 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	193	17.8	16.648	29.4	0.8	77.943	8.829	4.22	7.3	25.2	27.
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	193	18.	17.901	21.6	12.7	3.863	1.965	15.08	16.3	19.55	20.52

** - 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

Annual Analysis for 1961 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	114	20.6	18.824	28.9	2.4	74.625	8.639	4.3	8.9	26.7	27.8
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	112	19.15	18.637	22.1	10.6	7.547	2.747	14.03	17.3	20.975	21.6

** - 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 1962 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	202	19.45	16.537	27.	0.7	64.253	8.016	4.5	8.875	23.5	25.7
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	199	18.8	18.921	26.6	13.2	5.728	2.393	16.1	17.1	20.5	22.2

** - 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 1963 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	124	12.1	12.574	25.9	0.8	67.592	8.221	2.2	4.4	18.25	25.3
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	121	22.7	22.131	24.2	17.6	2.418	1.555	19.9	20.5	23.4	23.78

** - 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 1964 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	229	10.	12.472	26.7	1.7	56.76	7.534	3.6	6.35	19.7	24.2
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	205	19.3	19.645	23.4	14.2	4.638	2.154	16.7	18.1	21.6	22.4

** - 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 1965 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	265	20.1	17.152	27.4	1.1	68.407	8.271	5.2	8.35	24.8	26.2
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	265	21.4	21.406	23.7	16.7	2.987	1.728	18.6	20.4	23.	23.3

** - 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 1966 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	201	19.4	16.345	29.6	0.3	67.77	8.232	4.4	8.5	23.1	26.36
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	184	22.4	21.971	24.4	18.8	2.131	1.46	19.5	21.	23.	23.7

** - 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

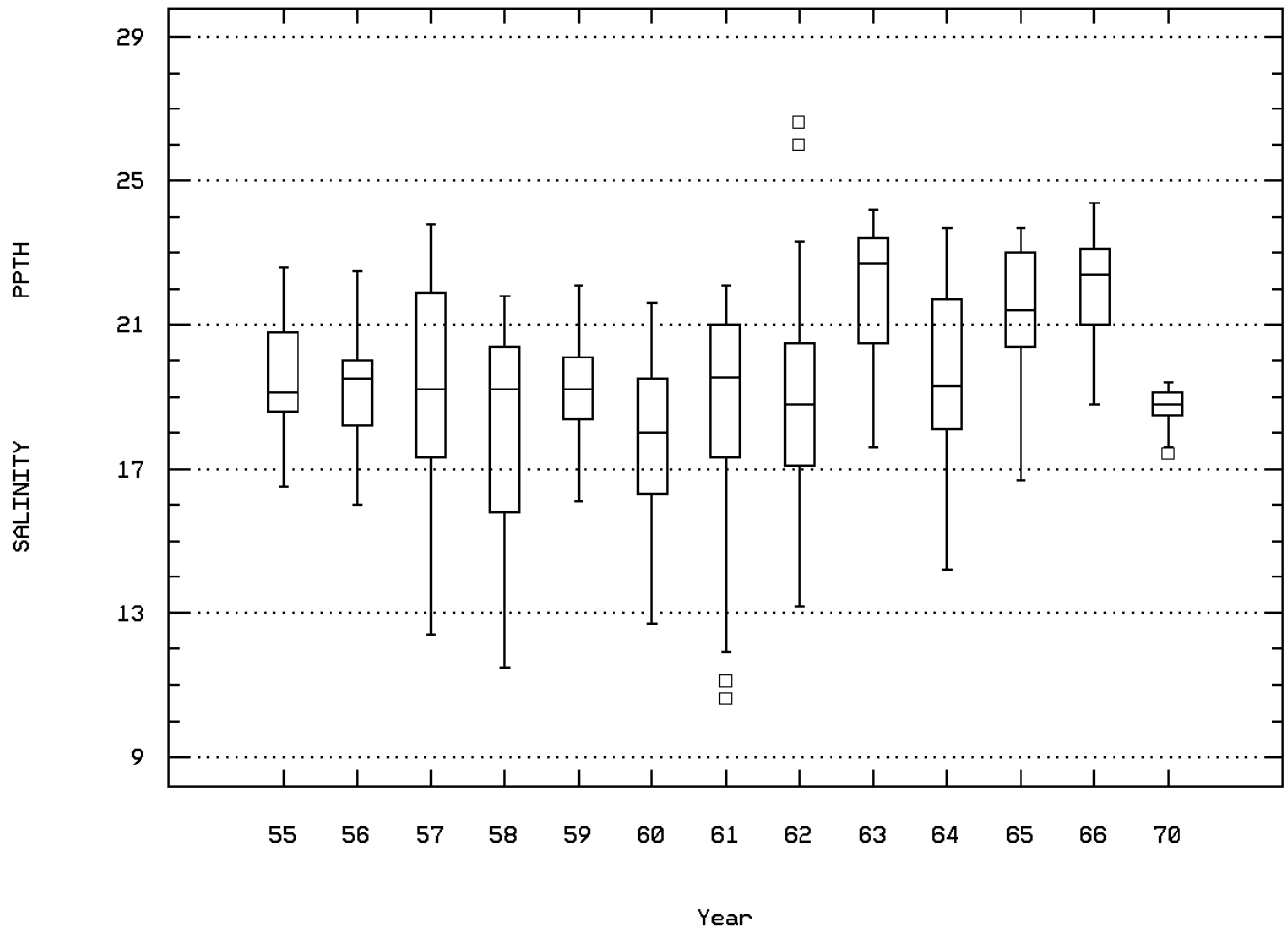
Annual Analysis for 1970 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	89	24.9	24.992	27.2	24.2	0.305	0.553	24.5	24.6	25.1	25.7
00480p	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	92	18.8	18.748	19.4	17.4	0.171	0.414	18.2	18.5	19.1	19.2

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

Station: COLO0111 Parameter Code: 00480

SALINITY - PARTS PER THOUSAND



VIMS STATION L52 - YORK RIVER

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	603	25.6	24.728	30.6	16.1	7.181	2.68	20.2	23.5	26.6	27.2
00480	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	600	21.3	21.046	26.6	15.8	3.702	1.924	18.	20.	22.6	23.4

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	805	6.7	7.71	21.	0.	21.171	4.601	2.8	4.1	10.6	14.64
00480	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	784	20.5	20.536	23.9	12.4	3.518	1.876	18.25	19.2	22.1	23.

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/19/55-06/30/70	948	18.7	16.94	30.	0.8	45.472	6.743	6.88	10.525	22.3	24.91
00480	SALINITY - PARTS PER THOUSAND	04/19/55-06/30/70	925	18.2	17.863	26.	10.6	4.36	2.088	15.	16.7	19.2	20.34

** - 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

Station Inventory for Station: COLO0112

NPS Station ID: COLO0112
Location: 56F 18
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206179601.17
Description:

LAT/LON: 37.234726/ -76.775004
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 2.74

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371405076463001
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 9.60
Distance from RF3: 0.33

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/77-12/21/77	2	18.25	18.25	19.	17.5	1.125	1.061	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/19/77-12/21/77	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/77-12/21/77	2	537.5	537.5	545.	530.	112.5	10.607	**	**	**	**
00400	PH (STANDARD UNITS)	08/19/77-12/21/77	2	7.4	7.4	7.6	7.2	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/19/77-12/21/77	2	7.355	7.355	7.6	7.2	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/77-12/21/77	2	0.044	0.044	0.063	0.025	0.001	0.027	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/19/77-12/21/77	2	21.	21.	30.	12.	162.	12.728	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/77-12/21/77	2	250.	250.	250.	250.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/19/77-12/21/77	2	300.	300.	300.	300.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/19/77-12/21/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-12/21/77	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-12/21/77	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/19/77-12/21/77	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/19/77-12/21/77	2	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/19/77-12/21/77	2	0.68	0.68	0.68	0.68	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/21/77-12/21/77	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/21/77-12/21/77	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/21/77-12/21/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/77-12/21/77	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/77-12/21/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/77-12/21/77	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/77-12/21/77	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/77-12/21/77	2	140.	140.	140.	140.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/19/77-12/21/77	2	39.	39.	40.	38.	2.	1.414	**	**	**	**
00932	SODIUM, PERCENT	08/19/77-12/21/77	2	97.5	97.5	98.	97.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/77-12/21/77	2	4.3	4.3	4.5	4.1	0.08	0.283	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/77-12/21/77	2	27.5	27.5	28.	27.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/77-12/21/77	2	8.5	8.5	9.	8.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/77-12/21/77	2	4.	4.	4.2	3.8	0.08	0.283	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/77-12/21/77	2	35.5	35.5	36.	35.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/19/77-12/21/77	2 ##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/77-12/21/77	2	357.	357.	362.	352.	50.	7.071	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/77-12/21/77	2	371.	371.	373.	369.	8.	2.828	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/77-12/21/77	2	0.485	0.485	0.49	0.48	0.	0.007	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/19/77-12/21/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/19/77-12/21/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/19/77-08/19/77	1	409.	409.	409.	409.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-12/21/77	2	375.	375.	375.	375.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-12/21/77	2	405.	405.	405.	405.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: COLO0113

NPS Station ID: COLO0113
LAT/LON: 37.235003/ -76.485003
Agency: CHESBAY
Date Created: 08/24/84
Location: MIDSTRE. BTN AMOCO PIER AND SARAH'S CK BUOY 2
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LE4.3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
ECO Region:
RF1 Index: 02080107002
RF1 Mile Point: 5.190
Distance from RF1: 14.20
On/Off RF1: OFF
RF3 Index: 02080206179601.17
RF3 Mile Point: 3.21
Distance from RF3: 0.15
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0113

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

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

Station Inventory for Station: COLO0114

NPS Station ID: COLO0114
LAT/LON: 37.235003/ -76.645281
Agency: 112WRD
Date Created: 06/29/78
Location: 57F 8
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 371406076384301
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: C
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02080206
RF1 Mile Point: 0.000
Distance from RF1: 5.20
On/Off RF1:
RF3 Index: 02080206179500.10
RF3 Mile Point: 1.75
Distance from RF3: 0.29
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/77-06/02/78	2	20.	20.	20.	20.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/02/77-06/02/78	2	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/02/77-06/02/78	2	1745.	1745.	1790.	1700.	4050.	63.64	**	**	**	**
00400	PH (STANDARD UNITS)	08/02/77-06/02/78	2	6.9	6.9	7.8	6.	1.62	1.273	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/02/77-06/02/78	2	6.294	6.294	7.8	6.	2.354	1.534	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/77-06/02/78	2	0.508	0.508	1.	0.016	0.484	0.696	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/02/78-06/02/78	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/02/77-06/02/78	2	340.	340.	340.	340.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/02/77-06/02/78	2	420.	420.	420.	420.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/02/77-06/02/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-06/02/78	2	0.155	0.155	0.3	0.01	0.042	0.205	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/02/77-06/02/78	2	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/02/77-06/02/78	2 ##	0.175	0.175	0.3	0.05	0.031	0.177	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/02/77-06/02/78	2	0.61	0.61	0.64	0.58	0.002	0.042	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/02/77-06/02/78	2	0.2	0.2	0.21	0.19	0.	0.014	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/02/77-06/02/78	2	13.	13.	13.	13.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/02/77-06/02/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/02/77-06/02/78	2	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/02/77-06/02/78	2	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/02/77-06/02/78	2	385.	385.	390.	380.	50.	7.071	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/02/77-06/02/78	2	47.	47.	48.	46.	2.	1.414	**	**	**	**
00932	SODIUM, PERCENT	08/02/77-06/02/78	2	97.	97.	97.	97.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/02/77-06/02/78	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/77-06/02/78	2	320.	320.	330.	310.	200.	14.142	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/02/77-06/02/78	2	30.5	30.5	33.	28.	12.5	3.536	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/02/77-06/02/78	2	2.25	2.25	2.3	2.2	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/02/77-06/02/78	2	18.	18.	18.	18.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/02/77-06/02/78	2	55.	55.	60.	50.	50.	7.071	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/77-06/02/78	2	946.	946.	948.	944.	8.	2.828	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/02/77-06/02/78	2	979.	979.	980.	978.	2.	1.414	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/02/77-06/02/78	2	1.285	1.285	1.29	1.28	0.	0.007	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/02/77-08/02/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/02/77-06/02/78	2	0.51	0.51	0.99	0.03	0.461	0.679	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/02/77-08/02/77	1	510.	510.	510.	510.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-06/02/78	2	451.	451.	451.	451.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/02/77-06/02/78	2	500.	500.	500.	500.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50	1	1	1.00				1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00				1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00				1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00				1	0	0.00			

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

Station Inventory for Station: COLO0115

NPS Station ID: COLO0115
Location: 57F 10
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206002000.06
Description:

LAT/LON: 37.235003/ -76.749171
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.54

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371406076445701
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 2.50
Distance from RF3: 0.19

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/19/77	2	17.	17.	18.	16.	2.	1.414	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/19/77	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/19/77	2	640.5	640.5	655.	626.	420.5	20.506	**	**	**	**
00400	PH (STANDARD UNITS)	08/11/77-12/19/77	2	6.35	6.35	6.4	6.3	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/11/77-12/19/77	2	6.347	6.347	6.4	6.3	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/77-12/19/77	2	0.45	0.45	0.501	0.398	0.005	0.073	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	2	210.	210.	210.	210.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/19/77	2	260.	260.	260.	260.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	2	0.34	0.34	0.35	0.33	0.	0.014	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/19/77	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/19/77	2	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/19/77	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	2	32.	32.	32.	32.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/19/77	2	7.25	7.25	7.3	7.2	0.005	0.071	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/19/77	2	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/19/77	2	130.	130.	130.	130.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/11/77-12/19/77	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/11/77-12/19/77	2	86.	86.	86.	86.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/19/77	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/19/77	2	68.5	68.5	69.	68.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/19/77	2	5.5	5.5	6.	5.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/19/77	2	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/19/77	2	33.	33.	35.	31.	8.	2.828	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/19/77	2 ##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/19/77	2	384.	384.	385.	383.	2.	1.414	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/19/77	2	390.	390.	392.	388.	8.	2.828	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/19/77	2	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/19/77	2	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	12/19/77-12/19/77	1	206.	206.	206.	206.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: COLO0116

NPS Station ID: COLO0116
Location: 56F 22
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206178402.16
Description:

LAT/LON: 37.236115/ -76.758615
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 2.15

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371410076453101
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 6.20
Distance from RF3: 0.16

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/19/77	2	11.	11.	17.	5.	72.	8.485	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/19/77	2	9.	9.	10.	8.	2.	1.414	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/19/77	2	541.	541.	572.	510.	1922.	43.841	**	**	**	**
00400	PH (STANDARD UNITS)	08/11/77-12/19/77	2	5.95	5.95	6.3	5.6	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/11/77-12/19/77	2	5.822	5.822	6.3	5.6	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/77-12/19/77	2	1.507	1.507	2.512	0.501	2.021	1.422	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	2	220.	220.	220.	220.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/19/77	2	270.	270.	270.	270.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	2	0.13	0.13	0.25	0.01	0.029	0.17	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	2	0.12	0.12	0.24	0.	0.029	0.17	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/19/77	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/19/77	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/19/77	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	2	19.5	19.5	20.	19.	0.5	0.707	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/19/77	2	4.65	4.65	4.8	4.5	0.045	0.212	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/19/77	2	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/19/77	2	125.	125.	130.	120.	50.	7.071	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/11/77-12/19/77	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
00932	SODIUM, PERCENT	08/11/77-12/19/77	2	89.5	89.5	90.	89.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/19/77	2	8.75	8.75	9.	8.5	0.125	0.354	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/19/77	2	45.	45.	46.	44.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/19/77	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/19/77	2	1.35	1.35	1.5	1.2	0.045	0.212	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/19/77	2	23.5	23.5	24.	23.	0.5	0.707	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/19/77	2	35.	35.	40.	30.	50.	7.071	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/19/77	2	338.	338.	345.	331.	98.	9.899	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/19/77	2	348.	348.	353.	343.	50.	7.071	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/19/77	2	0.46	0.46	0.47	0.45	0.	0.014	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/19/77	2	0.55	0.55	1.1	0.	0.605	0.778	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/19/77	2	0.425	0.425	0.82	0.03	0.312	0.559	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/11/77-12/19/77	2	204.	204.	204.	204.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	2	188.	188.	188.	188.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	2	204.	204.	204.	204.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: COLO0117

NPS Station ID: COLO0117 LAT/LON: 37.236392/ -76.505003 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0520.5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 7.120 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.19 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/07/79-09/10/80	5	23.	21.6	43.	4.	203.8	14.276	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/07/79-09/10/80	5	1.362	1.227	1.633	0.602	0.149	0.386	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.866								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-08/18/81	22 ##	1.5	29.164	460.	1.5	9644.575	98.207	1.5	1.5	9.1	72.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-08/18/81	22 ##	0.176	0.61	2.663	0.176	0.45	0.671	0.176	0.176	0.959	1.786
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.076								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/07/79-08/18/81	27	0.	0.05	0.62	0.	0.017	0.129	0.	0.	0.02	0.184
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/07/79-08/18/81	27	0.39	0.693	4.	0.	0.788	0.887	0.	0.1	0.83	1.842

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

EPA Water Quality Criteria Analysis for Station: COLO0117

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	0	0.00	3	0	0.00				2	0	0.00			

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

Station Inventory for Station: COLO0118

NPS Station ID: COLO0118
Location: 56F 23
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206088300.00
Description:

LAT/LON: 37.236392/ -76.751670
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371411076450601
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 2.10
Distance from RF3: 0.14

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/19/77	2	12.5	12.5	18.	7.	60.5	7.778	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/19/77	2	9.	9.	13.	5.	32.	5.657	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/19/77	2	667.	667.	690.	644.	1058.	32.527	**	**	**	**
00400	PH (STANDARD UNITS)	08/11/77-12/19/77	2	6.75	6.75	6.8	6.7	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/11/77-12/19/77	2	6.747	6.747	6.8	6.7	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/77-12/19/77	2	0.179	0.179	0.2	0.158	0.001	0.029	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/11/77-12/19/77	2	74.5	74.5	83.	66.	144.5	12.021	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	2	210.	210.	210.	210.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/19/77	2	260.	260.	260.	260.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	2	0.315	0.315	0.34	0.29	0.001	0.035	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/19/77	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/19/77	2	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/19/77	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	2	32.	32.	33.	31.	2.	1.414	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/19/77	2	7.25	7.25	7.6	6.9	0.245	0.495	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/19/77	2	3.35	3.35	3.4	3.3	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/19/77	2	140.	140.	140.	140.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/11/77-12/19/77	2	11.	11.	11.	11.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/11/77-12/19/77	2	87.	87.	87.	87.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/19/77	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/19/77	2	75.5	75.5	77.	74.	4.5	2.121	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/19/77	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/19/77	2	1.	1.	1.1	0.9	0.02	0.141	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/19/77	2	32.5	32.5	35.	30.	12.5	3.536	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/19/77	2	120.	120.	220.	20.	20000.	141.421	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/19/77	2	395.5	395.5	396.	395.	0.5	0.707	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/19/77	2	407.5	407.5	408.	407.	0.5	0.707	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/19/77	2	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/19/77	2	1.4	1.4	1.5	1.3	0.02	0.141	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	12/19/77-12/19/77	1	246.	246.	246.	246.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	2	236.	236.	236.	236.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	2	246.	246.	246.	246.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: COLO0119

NPS Station ID: COLO0119 LAT/LON: 37.237504/ -76.496393 Agency: 21VASWCB Date Created: 01/08/83
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05216
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 5.800 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107003800.00 RF3 Mile Point: 0.27 Distance from RF3: 0.20 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	64 ##	2.	6.125	75.	1.5	126.032	11.226	1.5	1.5	4.	14.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	64 ##	0.301	0.507	1.875	0.176	0.174	0.418	0.176	0.176	0.602	1.161
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.212								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	41 ##	1.5	4.439	43.	1.5	54.692	7.395	1.5	1.5	3.6	9.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	41 ##	0.176	0.431	1.633	0.176	0.127	0.356	0.176	0.176	0.556	0.959
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.698								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	104	0.	0.054	0.95	0.	0.025	0.158	0.	0.	0.	0.17
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	104	0.515	0.834	7.18	0.	1.118	1.057	0.	0.108	1.273	2.07

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

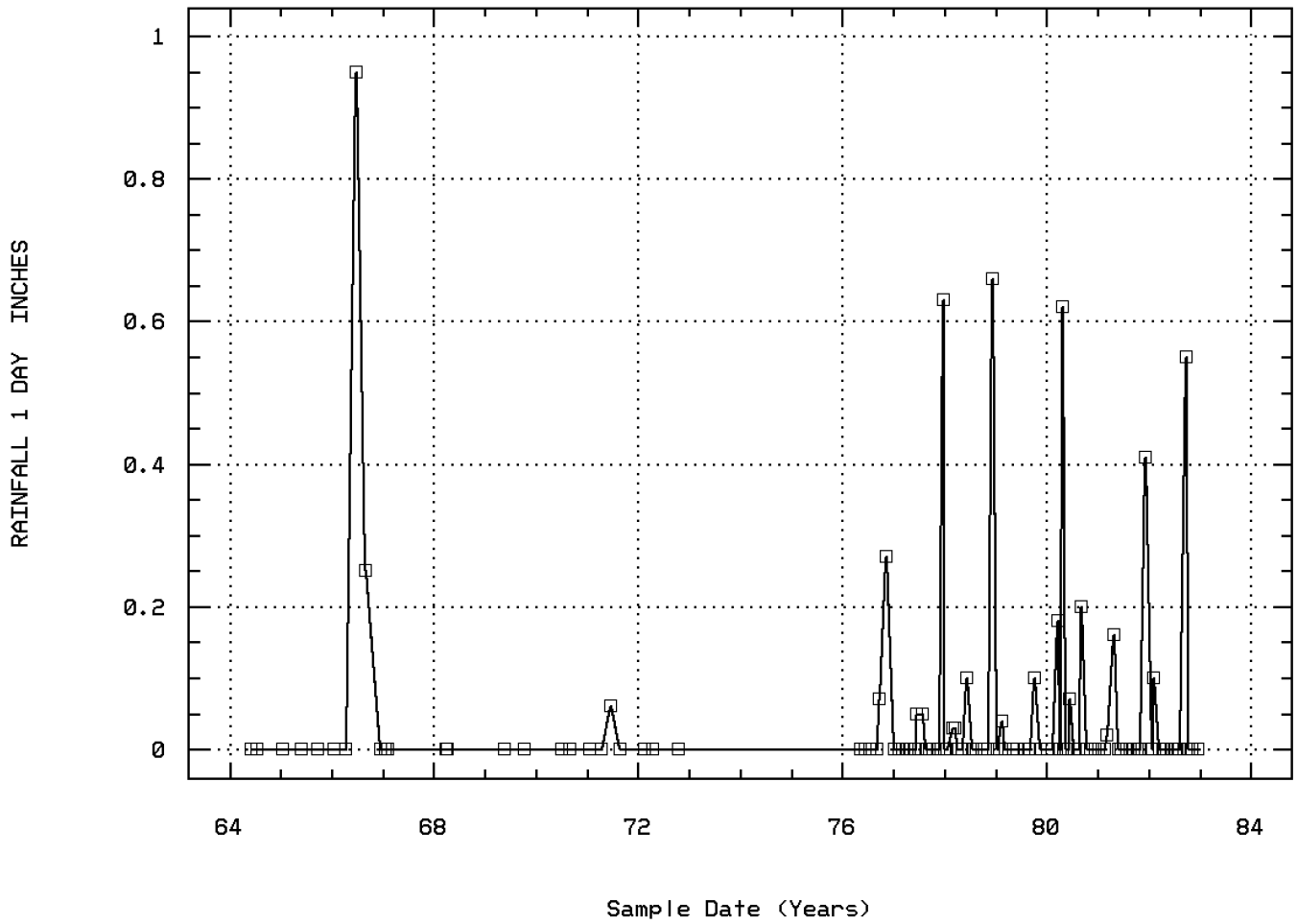
EPA Water Quality Criteria Analysis for Station: COLO0119

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	64	0	0.00	19	0	0.00	19	0	0.00	26	0	0.00			

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

Station: COL00119 Parameter Code: 82553

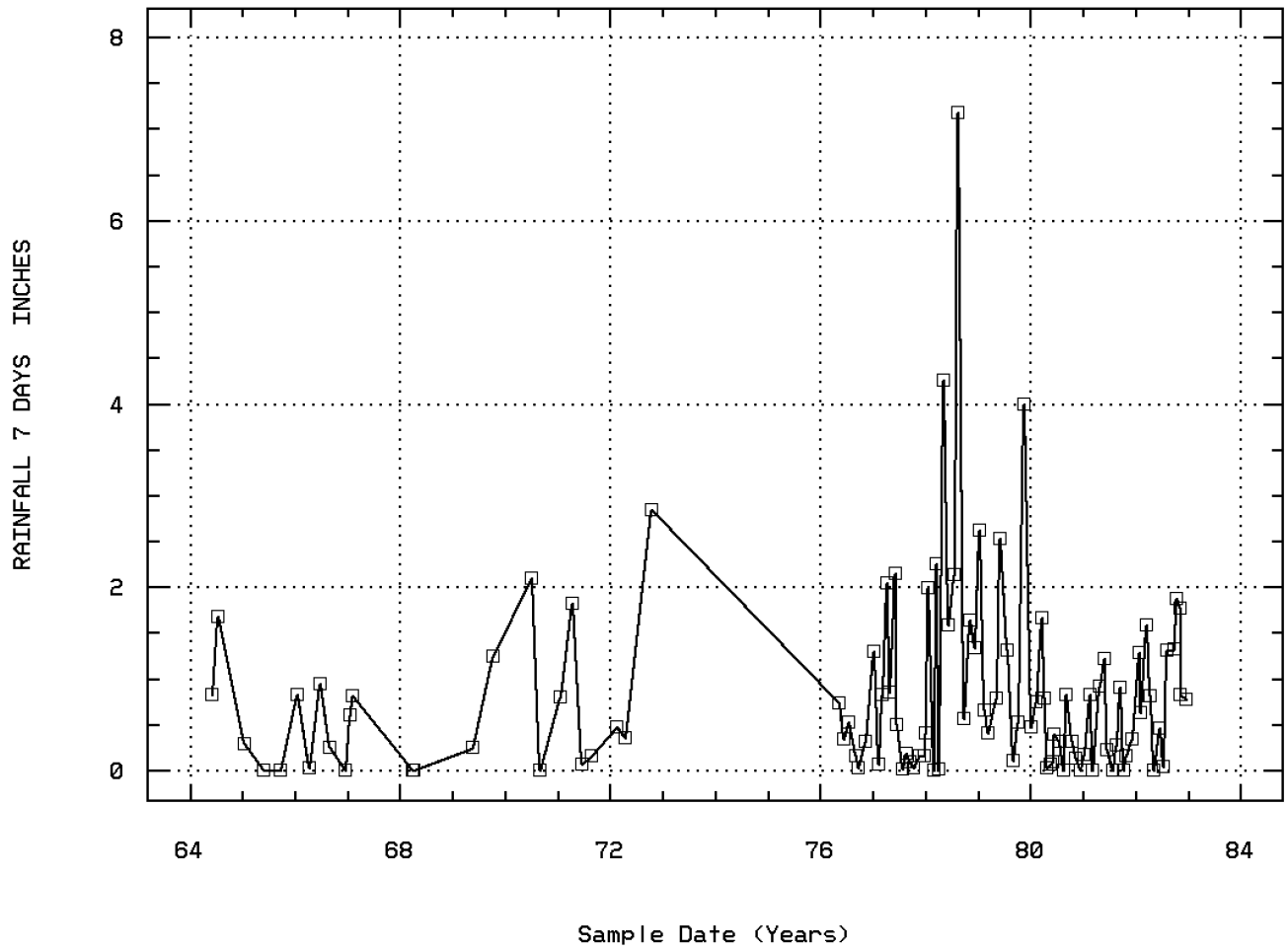
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00119 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.47	1.22	2.84	0.35	1.972	1.404	**	**	**	**

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

Annual Analysis for 1976 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.049	0.27	0.	0.01	0.101	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.34	0.486	1.3	0.03	0.182	0.426	**	**	**	**

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

Annual Analysis for 1977 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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 1982 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.	0.05	0.55	0.	0.023	0.153	0.	0.	0.	0.37
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	13	0.82	0.975	1.87	0.	0.369	0.608	0.016	0.545	1.455	1.83

** - 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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19 ##	1.5	5.053	23.	1.5	49.58	7.041	1.5	1.5	4.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19 ##	0.176	0.456	1.362	0.176	0.171	0.413	0.176	0.176	0.602	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.86								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	32	0.	0.038	0.55	0.	0.012	0.11	0.	0.	0.	0.17
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	32	0.29	0.819	7.18	0.	1.891	1.375	0.	0.033	1.295	2.059

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19 ##	1.5	3.947	14.	1.5	14.136	3.76	1.5	1.5	7.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	19 ##	0.176	0.443	1.146	0.176	0.125	0.353	0.176	0.176	0.845	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.775								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	33	0.	0.065	0.66	0.	0.03	0.172	0.	0.	0.	0.354
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	33	0.63	0.805	4.	0.	0.722	0.85	0.024	0.165	1.055	1.902

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	26	4.	8.5	75.	1.5	261.38	16.167	1.5	1.5	5.25	29.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-08/30/79	26	0.602	0.59	1.875	0.176	0.215	0.463	0.176	0.176	0.69	1.443
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.89								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	39	0.	0.057	0.95	0.	0.033	0.181	0.	0.	0.02	0.16
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	39	0.73	0.87	4.26	0.	0.878	0.937	0.	0.07	1.59	2.15

** - 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

Station Inventory for Station: COLO0120

NPS Station ID: COLO0120
LAT/LON: 37.237504/ -76.768616
Agency: 21VASWCB
Date Created: 04/28/77
Location: ROUTE 31 BRIDGE
FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2-POW003.38 /VA2-01-X0316/VA2-5X0316
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080206
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 2-JAMES
ECO Region:
RF1 Index: 02080206020
RF1 Mile Point: 2.680
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080206002902.73
RF3 Mile Point: 3.02
Distance from RF3: 0.17
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 2 JAMES REGION: 5 TIDEWATER
RIVER: POWHATAN CREEK SECTION: 01 TOPO MAP #: 0156 TOPO MAP NAME: SURRY, VA

Parameter Inventory for Station: COLO0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/28/77-04/30/79	12	14.25	14.075	28.	1.2	83.742	9.151	1.59	4.775	23.	27.4
00300	OXYGEN, DISSOLVED MG/L	02/28/77-04/30/79	12	6.7	7.042	9.8	5.8	1.457	1.207	5.83	6.1	7.975	9.38
00400	PH (STANDARD UNITS)	02/28/77-04/30/79	12	7.	7.158	7.9	6.5	0.126	0.355	6.65	7.	7.45	7.78
00400	CONVERTED PH (STANDARD UNITS)	02/28/77-04/30/79	12	7.	7.036	7.9	6.5	0.143	0.378	6.65	7.	7.45	7.78
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/28/77-04/30/79	12	0.1	0.092	0.316	0.013	0.006	0.078	0.018	0.036	0.1	0.251
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/28/77-04/30/79	12 ##	0.05	0.063	0.2	0.05	0.002	0.043	0.05	0.05	0.05	0.155
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/28/77-04/30/79	12 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.017
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/28/77-04/30/79	12	0.45	0.475	0.7	0.3	0.013	0.114	0.33	0.4	0.575	0.67
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/28/77-04/30/79	12 ##	0.043	0.061	0.15	0.025	0.002	0.043	0.025	0.025	0.087	0.141
01002	ARSENIC, TOTAL (UG/L AS AS)	03/23/78-09/05/78	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/31/77-03/15/79	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/31/77-03/15/79	4 ##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/31/77-03/15/79	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/05/78-03/15/79	2	1085.	1085.	1200.	970.	26450.	162.635	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/31/77-03/15/79	4	5.5	6.25	11.	3.	12.917	3.594	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/79-03/15/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/31/77-03/15/79	4 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/31/77-03/15/79	4	35.	62.5	160.	20.	4291.667	65.511	**	**	**	**
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	08/31/77-08/31/77	1	21000.	21000.	21000.	21000.	0.	0.	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	08/31/77-08/31/77	1	4.322	4.322	4.322	4.322	0.	0.	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			21000.								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/24/77-04/30/79	10	2325.	7011.	24000.	230.	90787121.111	9528.228	250.	670.	14250.	24000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/24/77-04/30/79	10	3.233	3.365	4.38	2.362	0.545	0.738	2.389	2.815	4.126	4.38
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			2315.65								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/28/77-04/30/79	12	410.	548.333	2300.	90.	367287.879	606.043	108.	170.	687.5	1889.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/28/77-04/30/79	12	2.612	2.566	3.362	1.954	0.153	0.391	2.021	2.223	2.831	3.244
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			368.138								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/28/77-04/30/79	12 ##	0.05	0.079	0.2	0.05	0.002	0.045	0.05	0.05	0.1	0.17
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/28/77-04/30/79	12	0.025	0.031	0.07	0.01	0.	0.019	0.01	0.02	0.045	0.067
71900	MERCURY, TOTAL (UG/L AS HG)	08/31/77-03/15/79	4 ##	0.2	0.2	0.25	0.15	0.003	0.058	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-2/28 Obs	10/16-2/28 Exceed	10/16-2/28 Prop.	3/01-6/30 Obs	3/01-6/30 Exceed	3/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
00400	PH	Other-Hi Lim.	9.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	12	1	0.08	5	0	0.00	3	1	0.33	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	1300.	4	0	0.00	2	0	0.00				2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	5.	4	2	0.50	2	0	0.00				2	2	1.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	1	0.25	2	1	0.50				2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	10	5	0.50	4	4	1.00	2	1	0.50	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	12	9	0.75	5	4	0.80	3	3	1.00	4	2	0.50			
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00				2	0	0.00			

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

Station Inventory for Station: COLO0121

NPS Station ID: COLO0121
Location: YORK RIV VCB0070
Station Type: /TYPA/AMBNT/ESTURY
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: NORTH ATLANTIC
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
RF1 Index: 02080107002
RF3 Index: 02080107000800.93
Description:
11.8 781108

LAT/LON: 37.238615/ -76.486365
Depth of Water: 39
Elevation: 0
RF1 Mile Point: 5.290
RF3 Mile Point: 1.10

Agency: CHESBAY
FIPS State/County: 51990 VIRGINIA/
STORET Station ID(s): XQF4392 /X368000
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.76

Date Created: 10/06/79
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80250	SEDIMENT PARTICLE SIZE FRACT.<.0625MM % DRY WEIGHT	11/08/78-11/08/78	1	92.19	92.19	92.19	92.19	0.	0.	**	**	**	**
80251	SEDIMENT PRCTL.SIZE CLASS.06-.125MMV-FINESAND%DRWT	11/08/78-11/08/78	1	6.78	6.78	6.78	6.78	0.	0.	**	**	**	**
80252	SEDIMENT PRTCL.SIZE CLASS.125-.250MMFINESAND%DRYWT	11/08/78-11/08/78	1	0.94	0.94	0.94	0.94	0.	0.	**	**	**	**
80253	SEDIMENT PRCTL.SIZE CLASS0.25-.50MMMED SAND %DRYWT	11/08/78-11/08/78	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
80254	SEDIMENT PRCTL.SIZE CLASS0.5-2.0MMCRS SAND %DRYWT	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80255	SEDIMENT PRCTL.SIZE CLASS1.0-2.0MMV-CRS SAND%DRYWT	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80256	SEDIMENT PRTCL.SIZE CLASS>2.0MM GRAVEL % DRY WT.	11/08/78-11/08/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0122

NPS Station ID: COLO0122
Location: BARRACKS ROAD 2ND BALLARD CR
Station Type: /TYPA/MUN/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER BETWEEN
RF1 Index: 02080107004
RF3 Index: 02080107028001.98
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.238892/ -76.541671
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 9.000
RF3 Mile Point: 2.26

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK STP
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 12.30
Distance from RF3: 0.18

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

Parameter Inventory for Station: COLO0122

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

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

Station Inventory for Station: COLO0123

NPS Station ID: COLO0123 LAT/LON: 37.239726/ -76.507226 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0521A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 6.420 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 1.86 Distance from RF3: 0.17 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	144	16.2	15.577	29.	0.1	74.514	8.632	4.	8.075	24.225	26.5
00480	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	137	19.	19.276	26.7	8.2	12.415	3.524	14.68	17.05	22.45	23.72
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	107	4.	9.023	93.	1.5	166.851	12.917	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	107	0.602	0.671	1.968	0.176	0.224	0.473	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.687								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/12/66-12/07/82	38	3.6	37.	1100.	1.5	31602.865	177.772	1.5	1.5	9.1	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/12/66-12/07/82	38	0.556	0.673	3.041	0.176	0.365	0.604	0.176	0.176	0.959	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.714								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	144	0.	0.074	1.34	0.	0.051	0.225	0.	0.	0.	0.19
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	144	0.57	0.861	7.18	0.	0.99	0.995	0.	0.16	1.308	2.1

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

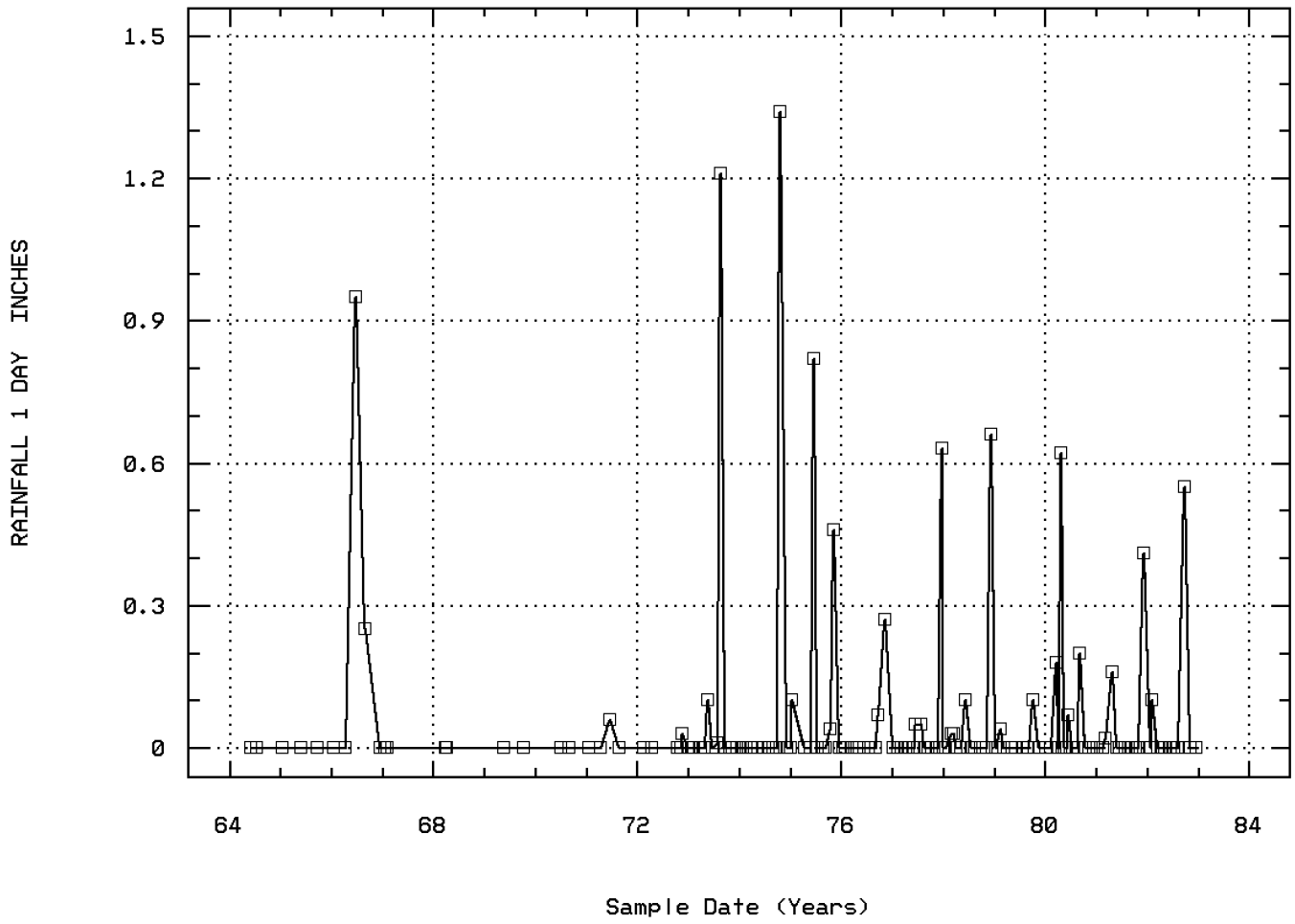
EPA Water Quality Criteria Analysis for Station: COLO0123

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	107	0	0.00	32	0	0.00	39	0	0.00	36	0	0.00			

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

Station: COL00123 Parameter Code: 82553

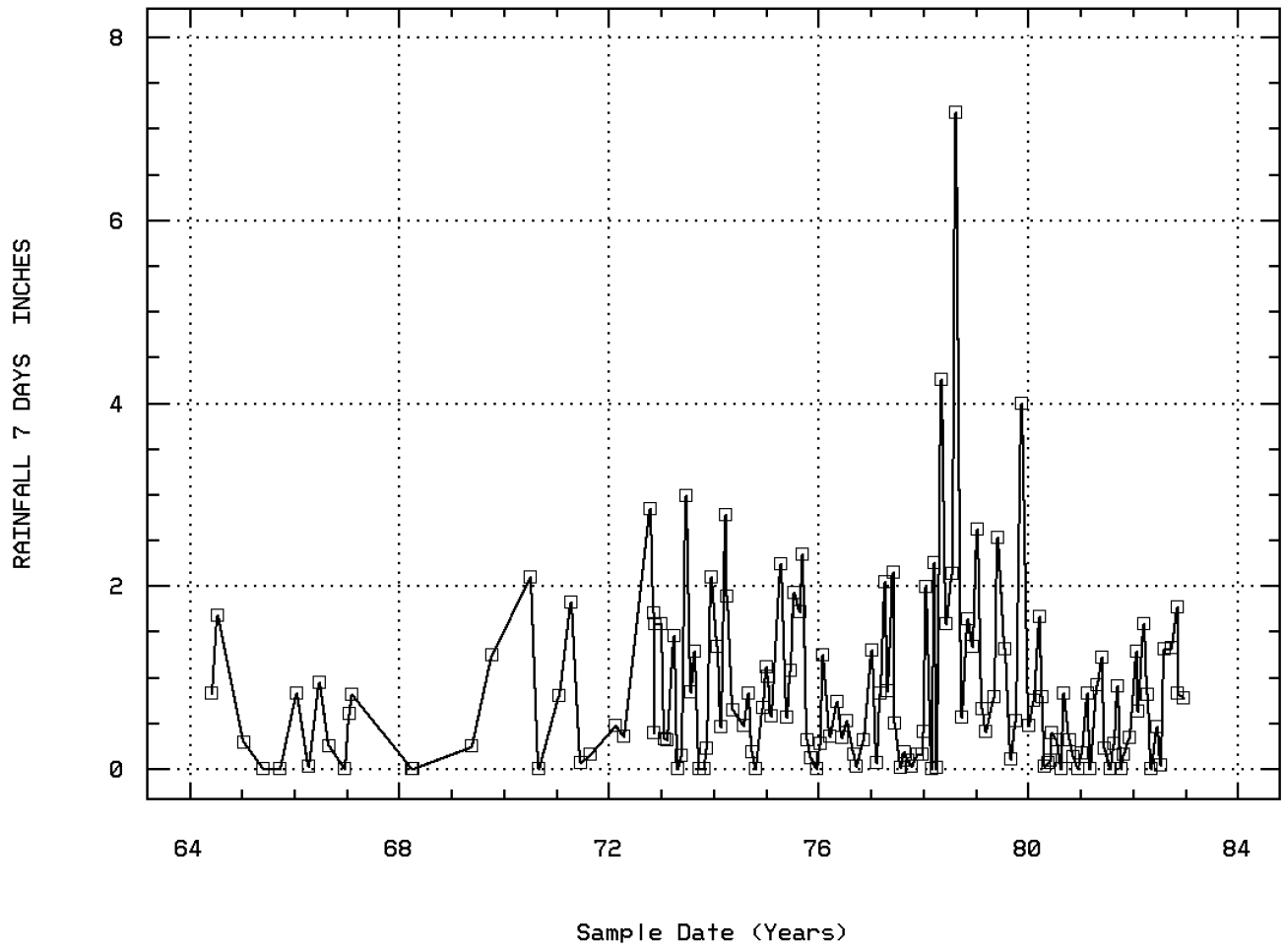
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00123 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1964 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	2	23.25	23.25	26.	20.5	15.125	3.889	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2 ##	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	3	25.	19.1	26.6	5.7	135.31	11.632	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	1	25.	25.	25.	25.	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	3 ##	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	5	11.2	14.78	27.	4.	103.372	10.167	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	5	23.8	23.34	24.4	21.	1.998	1.414	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	4 ##	2.	5.125	15.	1.5	43.396	6.588	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	4 ##	0.301	0.489	1.176	0.176	0.214	0.462	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.08								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	2	3.05	3.05	4.	2.1	1.805	1.344	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	2	20.85	20.85	22.6	19.1	6.125	2.475	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	2	11.4	11.4	12.8	10.	3.92	1.98	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	2	17.75	17.75	18.	17.5	0.125	0.354	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	2	19.9	19.9	21.2	18.6	3.38	1.838	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	2	21.15	21.15	23.1	19.2	7.605	2.758	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2	23.5	23.5	43.	4.	760.5	27.577	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2	1.118	1.118	1.633	0.602	0.532	0.729	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			13.115								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	2	26.3	26.3	26.6	26.	0.18	0.424	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	2	21.85	21.85	22.7	21.	1.445	1.202	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2	16.	16.	23.	9.	98.	9.899	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2	1.158	1.158	1.362	0.954	0.083	0.288	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.387								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	4	18.45	16.3	26.3	2.	130.62	11.429	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	4	17.75	18.5	21.8	16.7	5.167	2.273	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	4 ##	8.25	10.25	23.	1.5	112.75	10.618	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	4 ##	0.676	0.723	1.362	0.176	0.404	0.635	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.278								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.	0.015	0.06	0.	0.001	0.03	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	4	0.48	0.713	1.82	0.07	0.651	0.807	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	7	11.	12.	19.5	6.	21.917	4.682	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	5	18.2	18.32	20.	17.1	1.307	1.143	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	7	4.	17.786	93.	1.5	1107.821	33.284	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	7	0.602	0.837	1.968	0.176	0.318	0.564	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.871								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	7	1.58	1.276	2.84	0.35	0.849	0.921	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	12	17.7	16.483	26.	6.	60.254	7.762	6.	9.25	25.	25.79
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	12	18.4	18.342	23.2	12.9	10.95	3.309	13.23	15.55	21.3	23.05
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	12	4.	7.292	23.	1.5	60.157	7.756	1.5	1.875	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	12	0.602	0.67	1.362	0.176	0.173	0.416	0.176	0.251	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.682								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.11	1.21	0.	0.121	0.348	0.	0.	0.008	0.877
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.325	0.806	2.98	0.	0.932	0.965	0.	0.035	1.415	2.716

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

Annual Analysis for 1974 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	11	9.6	14.527	28.	5.6	70.158	8.376	5.74	7.3	21.2	27.66
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	11	17.7	18.609	22.8	15.3	8.131	2.851	15.38	16.	22.1	22.66
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	11	4.	9.318	43.	1.5	149.564	12.23	1.5	1.5	15.	37.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	11	0.602	0.716	1.633	0.176	0.225	0.474	0.176	0.176	1.176	1.542
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.2								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.67	0.941	2.77	0.	0.653	0.808	0.036	0.46	1.34	2.594

** - 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 1975 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	11	16.6	16.755	28.3	4.1	81.091	9.005	4.7	8.8	26.	27.92
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	11	18.8	17.973	21.9	14.1	4.922	2.219	14.34	16.4	19.2	21.48
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	11	4.	7.318	23.	1.5	75.314	8.678	1.5	1.5	15.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	11	0.602	0.599	1.362	0.176	0.239	0.489	0.176	0.176	1.176	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.97								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	11	1.01	1.082	2.35	0.	0.729	0.854	0.024	0.31	1.93	2.328

** - Less than 9 observations ## - Computed with 50% or 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 COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	10	13.4	13.54	24.7	3.4	74.774	8.647	3.44	4.25	21.7	24.7
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	10	18.75	17.98	22.5	10.4	11.957	3.458	10.87	15.775	19.875	22.41
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	11 ##	1.5	5.045	23.	1.5	44.273	6.654	1.5	1.5	9.	20.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	11 ##	0.176	0.464	1.362	0.176	0.189	0.434	0.176	0.176	0.954	1.28
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.911								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.	0.034	0.27	0.	0.007	0.086	0.	0.	0.018	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	10	0.35	0.528	1.3	0.03	0.191	0.437	0.043	0.243	0.86	1.295

** - Less than 9 observations ## - Computed with 50% or 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 COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	12	18.1	16.542	26.9	1.	69.897	8.36	2.56	10.15	24.725	26.63
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	11	20.8	21.255	24.6	18.	7.097	2.664	18.06	18.7	23.8	24.56
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	12 ##	2.75	7.083	27.	1.5	78.492	8.86	1.5	1.5	9.	25.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	12 ##	0.389	0.58	1.431	0.176	0.236	0.486	0.176	0.176	0.954	1.41
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.804								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	12	12.8	13.683	28.9	2.1	91.847	9.584	2.22	3.425	22.925	27.88
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	12	16.65	17.05	22.4	11.9	12.395	3.521	12.02	14.425	20.5	22.31
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	12	5.5	11.125	43.	1.5	153.006	12.37	2.25	4.	19.5	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	12	0.724	0.849	1.633	0.176	0.174	0.417	0.304	0.602	1.26	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.063								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	9	18.3	15.833	28.6	0.6	110.405	10.507	0.6	5.2	25.5	28.6
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	9	15.3	15.6	19.6	8.2	13.688	3.7	8.2	13.4	19.	19.6
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	7	9.	15.	43.	1.5	238.917	15.457	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	7	0.954	0.895	1.633	0.176	0.351	0.592	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.853								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	14	18.2	16.571	29.	1.7	78.61	8.866	3.65	7.75	24.35	28.
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	14	18.75	18.921	23.7	13.	12.894	3.591	13.8	16.05	22.8	23.55
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2	13.5	13.5	23.	4.	180.5	13.435	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	2	0.982	0.982	1.362	0.602	0.289	0.537	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.592								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	12	20.9	17.008	27.7	1.	92.468	9.616	2.38	6.5	25.625	27.64
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	12	23.65	23.917	26.7	21.8	2.162	1.47	22.04	22.85	24.7	26.58
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	1	0.477	0.477	0.477	0.477	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

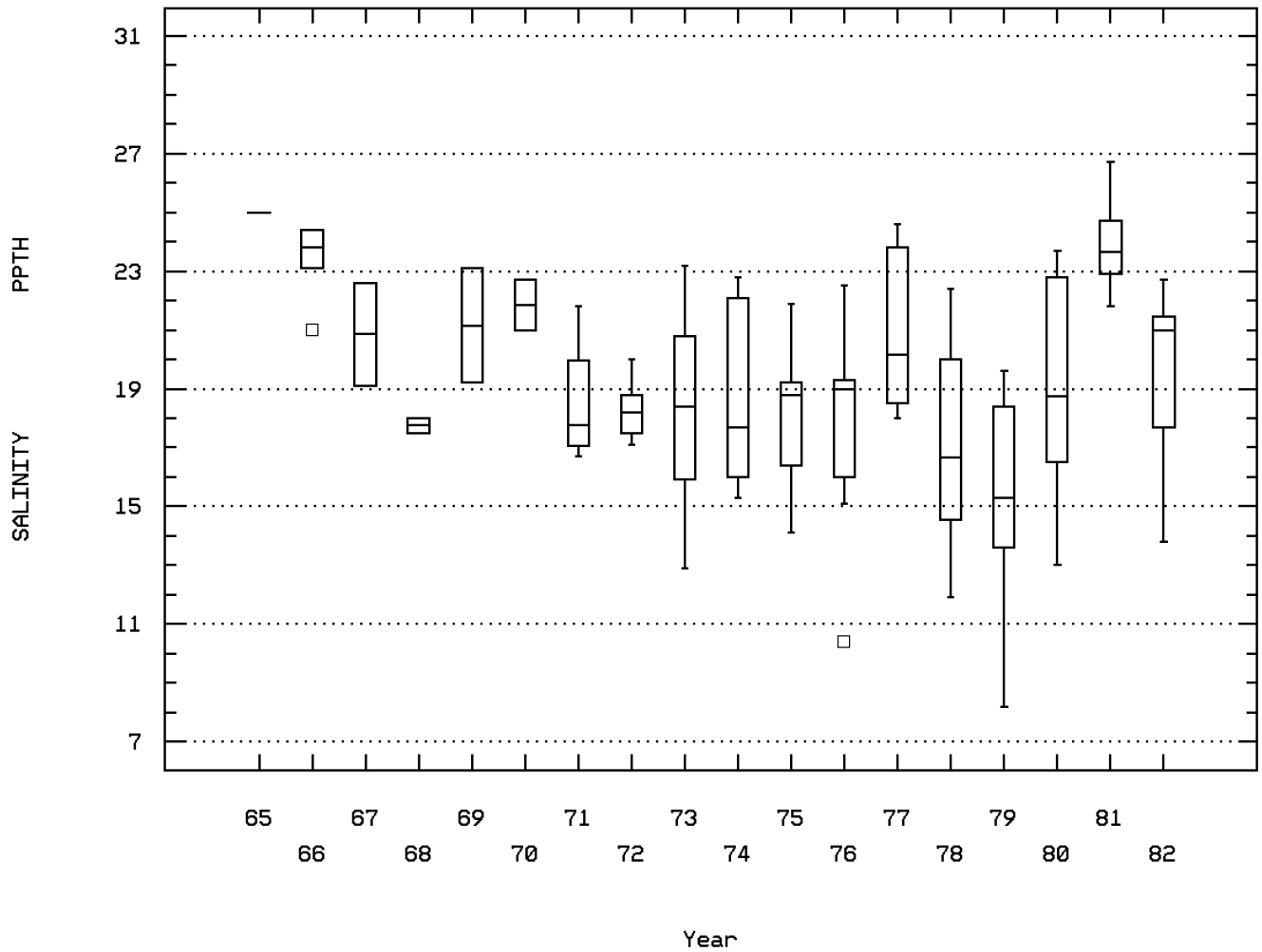
Annual Analysis for 1982 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	12	13.7	14.692	27.1	0.1	75.15	8.669	0.97	8.925	23.725	26.44
00480p	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	12	21.	19.775	22.7	13.8	7.935	2.817	14.43	17.7	21.525	22.64
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Station: COLO0123 Parameter Code: 00480

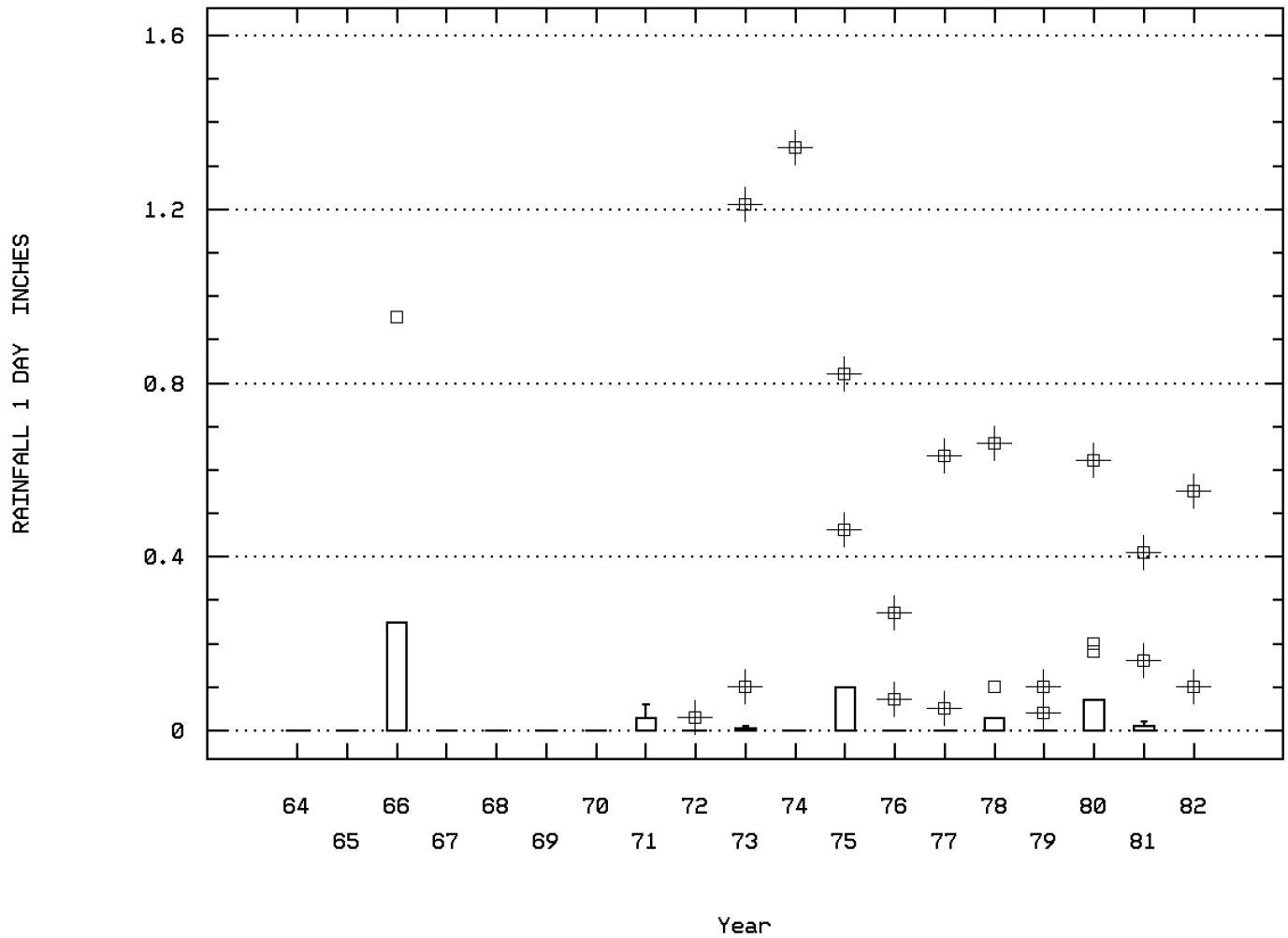
SALINITY - PARTS PER THOUSAND



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00123 Parameter Code: 82553

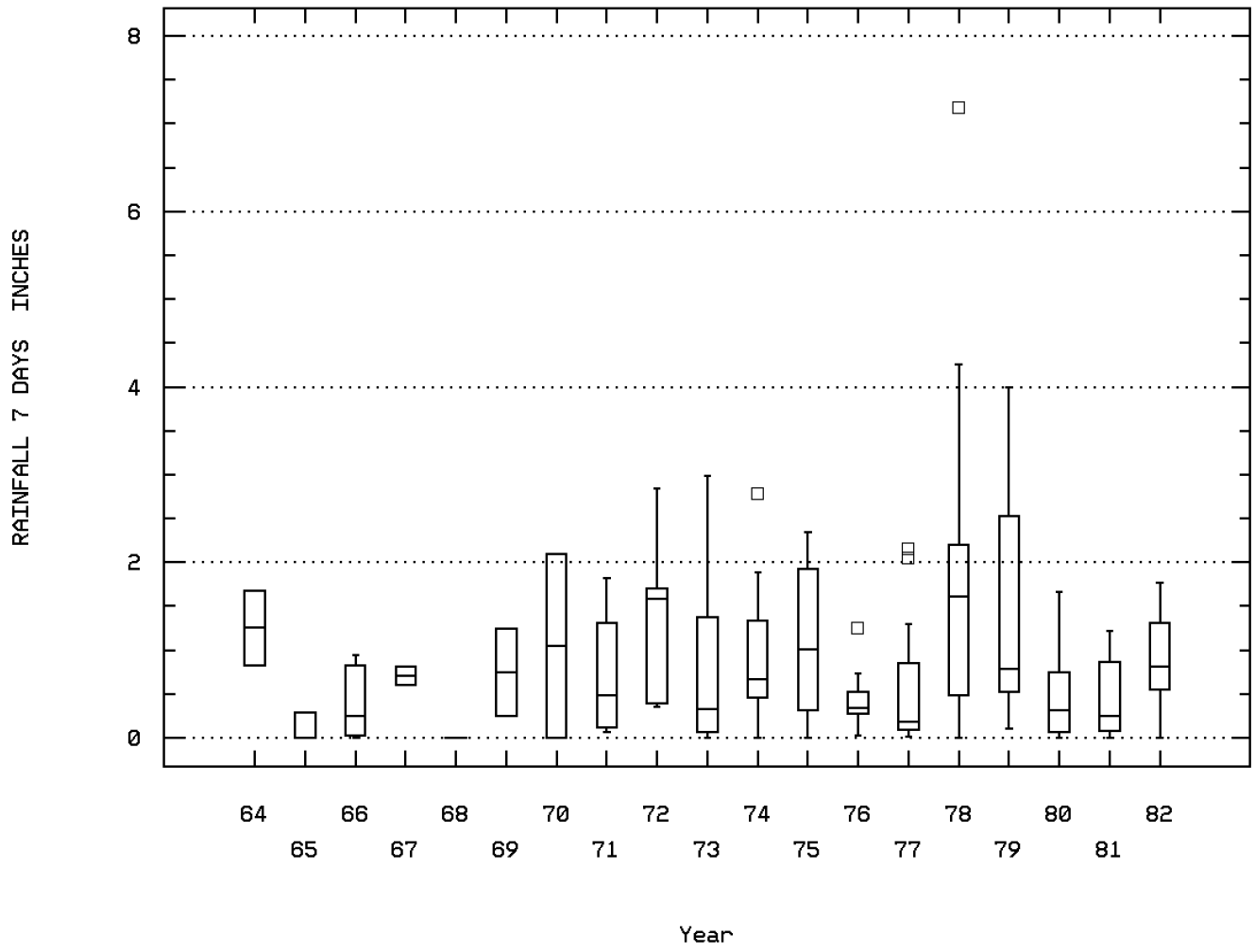
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00123 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	41	25.7	24.89	29.	18.	7.845	2.801	20.4	23.05	26.75	28.24
00480	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	40	21.4	21.093	26.3	14.1	8.057	2.839	17.3	19.2	23.55	24.58
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	32	4.	12.188	93.	1.5	325.125	18.031	1.5	1.625	23.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	32	0.602	0.765	1.968	0.176	0.273	0.523	0.176	0.207	1.362	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.82								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/12/66-12/07/82	9	7.3	8.844	23.	1.5	74.075	8.607	1.5	1.5	16.05	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/12/66-12/07/82	9	0.863	0.732	1.362	0.176	0.234	0.484	0.176	0.176	1.16	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.397								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.	0.06	1.21	0.	0.043	0.208	0.	0.	0.	0.18
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	41	0.32	0.835	7.18	0.	1.589	1.261	0.	0.065	1.295	2.098

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	53	7.1	7.702	19.3	0.1	23.828	4.881	1.82	3.9	11.6	14.68
00480	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	50	19.3	19.656	26.7	10.4	11.631	3.41	14.83	17.35	22.6	23.8
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	39	4.	6.449	23.	1.5	38.787	6.228	1.5	1.5	9.	15.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	39	0.602	0.635	1.362	0.176	0.153	0.391	0.176	0.176	0.954	1.176
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.318								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/12/66-12/07/82	14	3.6	12.214	93.	1.5	573.224	23.942	1.5	1.5	9.1	58.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/12/66-12/07/82	14	0.556	0.714	1.968	0.176	0.266	0.515	0.176	0.176	0.959	1.665
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.18								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.	0.096	1.34	0.	0.07	0.264	0.	0.	0.	0.44
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	53	0.6	0.785	4.	0.	0.601	0.775	0.	0.195	1.265	1.742

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/04/64-12/07/82	50	16.9	16.288	27.7	4.1	45.597	6.753	6.34	9.9	22.125	25.27
00480	SALINITY - PARTS PER THOUSAND	09/23/65-12/07/82	47	17.5	17.326	23.1	8.2	10.573	3.252	13.16	15.3	19.	22.84
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	36	4.	9.	43.	1.5	158.7	12.598	1.5	1.5	9.	31.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/04/64-10/01/81	36	0.602	0.626	1.633	0.176	0.258	0.508	0.176	0.176	0.954	1.492
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.225								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	04/12/66-12/07/82	15 ##	1.5	77.027	1100.	1.5	80106.731	283.031	1.5	1.5	3.6	449.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	04/12/66-12/07/82	15 ##	0.176	0.6	3.041	0.176	0.574	0.758	0.176	0.176	0.556	1.922
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.98								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	50	0.	0.063	0.95	0.	0.038	0.194	0.	0.	0.005	0.154
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	06/04/64-12/07/82	50	0.76	0.961	4.26	0.	0.939	0.969	0.	0.128	1.61	2.249

** - Less than 9 observations ## - Computed 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: COLO0124

NPS Station ID: COLO0124
Location: NEAR OLD WILLIAMSBURG ROAD
Station Type: /TYPA/MUN/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER OFF LEE ROAD
RF1 Index: 02080107
RF3 Index: 02080206180200.00
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.239726/ -76.575005
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.00

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK STP 570
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 21.40
Distance from RF3: 0.06

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

Parameter Inventory for Station: COLO0124

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

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

Station Inventory for Station: COLO0125

NPS Station ID: COLO0125
Location: 57F 9
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206178402.85
Description:

LAT/LON: 37.240003/ -76.653059

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 6.70

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371424076391101
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 5.40
Distance from RF3: 0.19

Date Created: 04/14/78

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/12/77	2	17.5	17.5	20.	15.	12.5	3.536	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/12/77	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/12/77	2	1555.	1555.	1600.	1510.	4050.	63.64	**	**	**	**
00400	PH (STANDARD UNITS)	08/11/77-12/12/77	2	7.9	7.9	8.8	7.	1.62	1.273	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/11/77-12/12/77	2	7.294	7.294	8.8	7.	2.354	1.534	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/77-12/12/77	2	0.051	0.051	0.1	0.002	0.005	0.07	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/11/77-12/12/77	2	35.05	35.05	69.	1.1	2305.205	48.013	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/12/77	2	360.	360.	370.	350.	200.	14.142	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/12/77	2	430.	430.	430.	430.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/12/77	2	5.	5.	10.	0.	50.	7.071	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/12/77	2 ##	0.168	0.168	0.33	0.005	0.053	0.23	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/12/77	2	0.125	0.125	0.23	0.02	0.022	0.148	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/12/77	2	0.3	0.3	0.4	0.2	0.02	0.141	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/12/77	2	0.43	0.43	0.52	0.34	0.016	0.127	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/12/77	2	0.14	0.14	0.17	0.11	0.002	0.042	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/12/77	2	14.5	14.5	17.	12.	12.5	3.536	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/12/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/12/77	2	3.75	3.75	4.2	3.3	0.405	0.636	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/12/77	2	1.25	1.25	1.5	1.	0.125	0.354	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/12/77	2	360.	360.	360.	360.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/11/77-12/12/77	2	41.5	41.5	45.	38.	24.5	4.95	**	**	**	**
00932	SODIUM, PERCENT	08/11/77-12/12/77	2	96.5	96.5	97.	96.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/12/77	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/12/77	2	275.	275.	280.	270.	50.	7.071	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/12/77	2	27.	27.	31.	23.	32.	5.657	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/12/77	2	2.35	2.35	2.6	2.1	0.125	0.354	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/12/77	2	12.9	12.9	17.	8.8	33.62	5.798	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/12/77	2 ##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/12/77	2	883.5	883.5	892.	875.	144.5	12.021	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/12/77	2	912.	912.	922.	902.	200.	14.142	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/12/77	2	1.2	1.2	1.21	1.19	0.	0.014	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/12/77	2	0.55	0.55	1.	0.1	0.405	0.636	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/12/77	2	0.55	0.55	1.1	0.	0.605	0.778	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/11/77-12/12/77	2	453.	453.	453.	453.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/12/77	2	450.	450.	450.	450.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/12/77	2	460.	460.	460.	460.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: COLO0126

NPS Station ID: COLO0126 LAT/LON: 37.241115/ -76.516948 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05111
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.000 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.13 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	75	4.	7.533	75.	1.5	123.941	11.133	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	75	0.602	0.615	1.875	0.176	0.195	0.441	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.124								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	33	3.6	21.191	240.	1.5	1944.856	44.101	1.5	1.5	23.	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	33	0.556	0.798	2.38	0.176	0.44	0.663	0.176	0.176	1.362	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.285								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	107	0.	0.106	1.37	0.	0.063	0.251	0.	0.	0.03	0.394
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	107	0.55	0.888	4.7	0.	1.083	1.041	0.	0.14	1.28	2.114

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

EPA Water Quality Criteria Analysis for Station: COLO0126

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	75	0	0.00	18	0	0.00	30	0	0.00	27	0	0.00			

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

Annual Analysis for 1969 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	4.	6.75	15.	4.	30.25	5.5	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	0.602	0.746	1.176	0.602	0.082	0.287	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.566								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	2.75	3.85	15.	1.5	16.892	4.11	1.5	1.5	4.	13.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	0.389	0.446	1.176	0.176	0.111	0.332	0.176	0.176	0.602	1.119
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.796								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

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

Annual Analysis for 1974 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	4.	8.038	43.	1.5	124.894	11.176	1.5	2.75	9.	31.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	0.602	0.681	1.633	0.176	0.175	0.419	0.176	0.389	0.954	1.451
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.802								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

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

Annual Analysis for 1975 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	1.5	4.9	23.	1.5	46.156	6.794	1.5	1.5	5.25	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	0.176	0.458	1.362	0.176	0.176	0.419	0.176	0.176	0.69	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.869								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

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

Annual Analysis for 1976 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	5 ##	1.5	2.5	4.	1.5	1.875	1.369	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	5 ##	0.176	0.346	0.602	0.176	0.054	0.233	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.221								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.	0.004	0.02	0.	0.	0.009	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.16	0.246	0.63	0.	0.061	0.248	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14 ##	2.75	5.25	23.	1.5	40.683	6.378	1.5	1.5	5.25	19.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14 ##	0.389	0.509	1.362	0.176	0.168	0.41	0.176	0.176	0.69	1.269
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.232								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.36	0.	0.01	0.1	0.	0.	0.	0.236
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.18	0.678	3.57	0.	1.091	1.045	0.	0.	1.125	2.83

** - 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

Annual Analysis for 1978 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	9.	16.85	75.	1.5	496.614	22.285	1.5	1.5	23.	69.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.954	0.896	1.875	0.176	0.358	0.598	0.176	0.176	1.362	1.824
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.87								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.354	4.57	0.	2.748	1.658	0.	0.323	2.29	4.528

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

Annual Analysis for 1979 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	4.	9.214	23.	1.5	76.488	8.746	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	0.602	0.782	1.362	0.176	0.193	0.44	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.054								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.082	0.62	0.	0.038	0.196	0.	0.	0.01	0.55
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.29	0.775	2.32	0.	0.777	0.881	0.002	0.02	1.7	2.25

** - 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 1981 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

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

Annual Analysis for 1982 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	18	4.	14.806	75.	1.5	357.004	18.895	1.5	4.	23.	46.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	18	0.602	0.879	1.875	0.176	0.271	0.521	0.176	0.602	1.362	1.658
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.575								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	27	0.	0.145	0.82	0.	0.068	0.261	0.	0.	0.26	0.688
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	27	0.72	1.326	4.7	0.	2.394	1.547	0.	0.02	1.84	4.59

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	4.	4.967	21.	1.5	25.878	5.087	1.5	1.5	4.	14.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	0.602	0.55	1.322	0.176	0.114	0.338	0.176	0.176	0.602	1.154
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.548								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	41	0.	0.063	1.01	0.	0.038	0.196	0.	0.	0.	0.232
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	41	0.58	0.759	2.5	0.	0.471	0.686	0.	0.145	1.3	1.694

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	27 ##	1.5	5.537	23.	1.5	42.114	6.49	1.5	1.5	9.	16.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	27 ##	0.176	0.512	1.362	0.176	0.186	0.431	0.176	0.176	0.954	1.213
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.249								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	39	0.	0.123	1.37	0.	0.085	0.292	0.	0.	0.1	0.53
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	39	0.43	0.72	4.15	0.	0.704	0.839	0.	0.18	1.06	1.49

** - 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

Station Inventory for Station: COLO0127

NPS Station ID: COLO0127
Location: CR NEAR COLONIAL PARKWAY
Station Type: /TYPA/MUN/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER OFF BALLARD
RF1 Index: 02080107004
RF3 Index: 02080107027700.00
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.241115/ -76.528059
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 8.600
RF3 Mile Point: 3.17

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK STP 2
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.11

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

Parameter Inventory for Station: COLO0127

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

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

Station Inventory for Station: COLO0128

NPS Station ID: COLO0128 LAT/LON: 37.241392/ -76.512782 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0511
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 6.660 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107003800.00 RF3 Mile Point: 0.84 Distance from RF3: 0.12 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	114	16.25	16.725	29.9	2.8	72.426	8.51	5.45	8.5	25.625	27.35
00480	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	111	18.7	18.78	26.	7.2	14.37	3.791	14.04	16.3	21.5	23.58
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	80	4.	20.956	1100.	1.5	15016.919	122.544	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	80	0.602	0.647	3.041	0.176	0.264	0.513	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.434								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	15.88	93.	1.5	651.014	25.515	1.5	1.5	11.	55.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.765	1.968	0.176	0.356	0.596	0.176	0.176	1.041	1.73
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.815								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	114	0.	0.114	1.37	0.	0.068	0.262	0.	0.	0.053	0.57
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	114	0.58	0.893	4.7	0.	1.055	1.027	0.	0.138	1.295	2.12

** - 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: COLO0128

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	80	1	0.01	22	1	0.05	28	0	0.00	30	0	0.00			

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

Annual Analysis for 1969 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	1	27.2	27.2	27.2	27.2	0.	0.	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	5	12.	16.5	26.	7.	79.	8.888	**	**	**	**
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	2	7.75	7.75	8.3	7.2	0.605	0.778	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	5	4.	5.4	9.	3.	6.3	2.51	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	5	0.602	0.696	0.954	0.477	0.039	0.197	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.967								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.	0.314	0.91	0.	0.193	0.439	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	1.59	1.312	1.89	0.4	0.376	0.613	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	10	17.8	17.7	26.3	6.	51.204	7.156	6.2	12.875	25.7	26.3
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	10	17.2	17.72	23.9	14.2	10.242	3.2	14.24	14.75	20.125	23.59
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10 ##	1.5	112.5	1100.	1.5	120395.222	346.98	1.5	1.5	5.25	990.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10 ##	0.176	0.613	3.041	0.176	0.797	0.893	0.176	0.176	0.69	2.833
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.103								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

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

Annual Analysis for 1974 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	12	15.2	16.258	27.6	5.1	72.479	8.513	5.46	8.375	25.325	27.33
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	12	18.45	19.358	23.	16.3	5.832	2.415	16.54	17.225	22.025	22.82
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	12	4.	9.333	43.	1.5	155.606	12.474	1.5	1.5	13.5	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	12	0.602	0.687	1.633	0.176	0.249	0.499	0.176	0.176	1.121	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.859								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.009	0.07	0.	0.	0.021	0.	0.	0.008	0.058
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.325	0.957	4.7	0.	1.775	1.332	0.	0.073	1.355	3.842

** - Less than 9 observations ## - Computed with 50% or 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 COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	10	20.	17.63	27.5	3.6	83.711	9.149	3.79	7.825	26.4	27.48
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	10	18.25	17.45	20.2	12.2	7.194	2.682	12.37	15.55	19.65	20.16
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10 ##	2.25	3.15	9.	1.5	5.558	2.358	1.5	1.5	4.	8.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10 ##	0.327	0.412	0.954	0.176	0.076	0.276	0.176	0.176	0.602	0.919
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.581								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

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

Annual Analysis for 1976 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	12	13.9	15.592	26.7	3.2	70.494	8.396	3.95	8.1	25.075	26.55
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	12	18.55	18.808	23.1	15.8	4.614	2.148	16.16	17.225	19.475	22.92
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	12 ##	1.5	3.417	9.	1.5	9.538	3.088	1.5	1.5	6.25	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	12 ##	0.176	0.397	0.954	0.176	0.114	0.338	0.176	0.176	0.784	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.495								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

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

Annual Analysis for 1977 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	12	22.6	20.208	29.9	5.9	71.304	8.444	6.59	12.4	27.625	29.6
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	12	20.9	21.233	25.6	18.3	4.644	2.155	18.45	19.575	22.9	24.94
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	13	9.	9.308	23.	1.5	51.189	7.155	1.5	4.	12.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	13	0.954	0.833	1.362	0.176	0.148	0.384	0.176	0.602	1.065	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.808								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.034	0.36	0.	0.011	0.104	0.	0.	0.	0.267
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.095	0.592	3.57	0.	1.083	1.041	0.	0.	0.873	2.904

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

Annual Analysis for 1978 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	10	14.7	15.61	28.5	2.8	94.045	9.698	2.85	5.325	24.675	28.44
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	10	15.8	16.15	20.8	12.1	9.152	3.025	12.17	13.4	18.825	20.64
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	6.5	13.7	43.	1.5	281.9	16.79	1.5	1.5	28.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	0.778	0.784	1.633	0.176	0.372	0.61	0.176	0.176	1.43	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.086								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

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

Annual Analysis for 1979 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	9	15.	14.878	26.5	3.	65.537	8.095	3.	7.2	22.25	26.5
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	9	15.6	14.622	18.5	8.6	8.064	2.84	8.6	13.2	15.8	18.5
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	7	9.	11.5	39.	1.5	157.583	12.553	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	7	0.954	0.881	1.591	0.176	0.186	0.431	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.596								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	12	15.35	16.042	29.8	3.4	98.868	9.943	3.46	5.7	26.6	29.11
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	12	18.15	18.508	23.8	13.	11.906	3.451	13.3	15.35	21.525	23.2
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.075	0.62	0.	0.035	0.188	0.	0.	0.008	0.515
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

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

Annual Analysis for 1981 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	10	15.5	15.61	28.7	3.3	79.801	8.933	3.55	6.55	24.075	28.53
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	10	24.35	24.16	26.	21.5	2.034	1.426	21.63	22.95	25.475	25.97
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

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

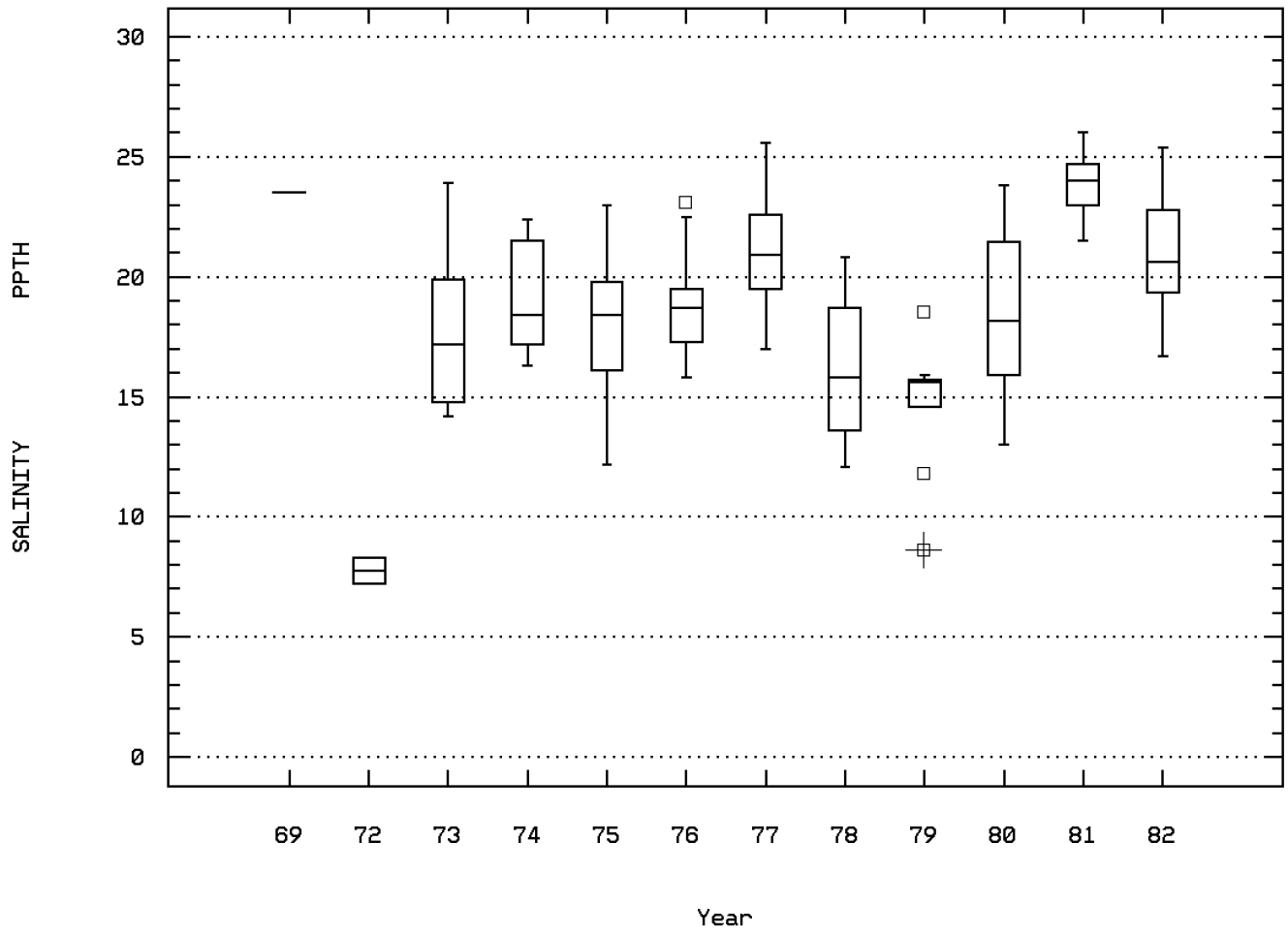
Annual Analysis for 1982 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	11	17.4	16.4	26.9	3.2	76.674	8.756	3.64	9.	25.	26.84
00480p	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	11	20.5	20.391	23.6	16.7	4.663	2.159	16.88	18.9	22.7	23.46
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

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

Station: COL00128 Parameter Code: 00480

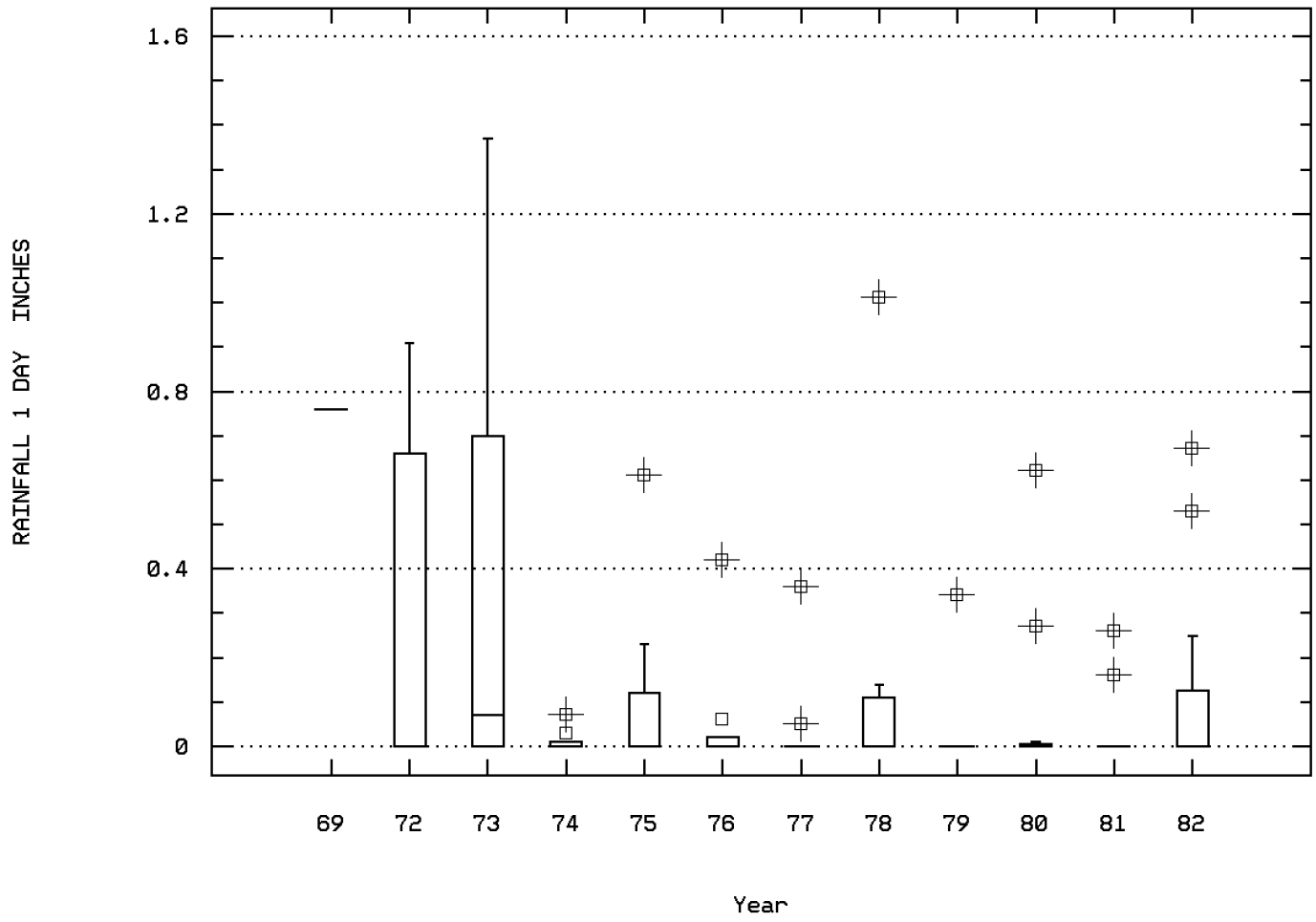
SALINITY - PARTS PER THOUSAND



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00128 Parameter Code: 82553

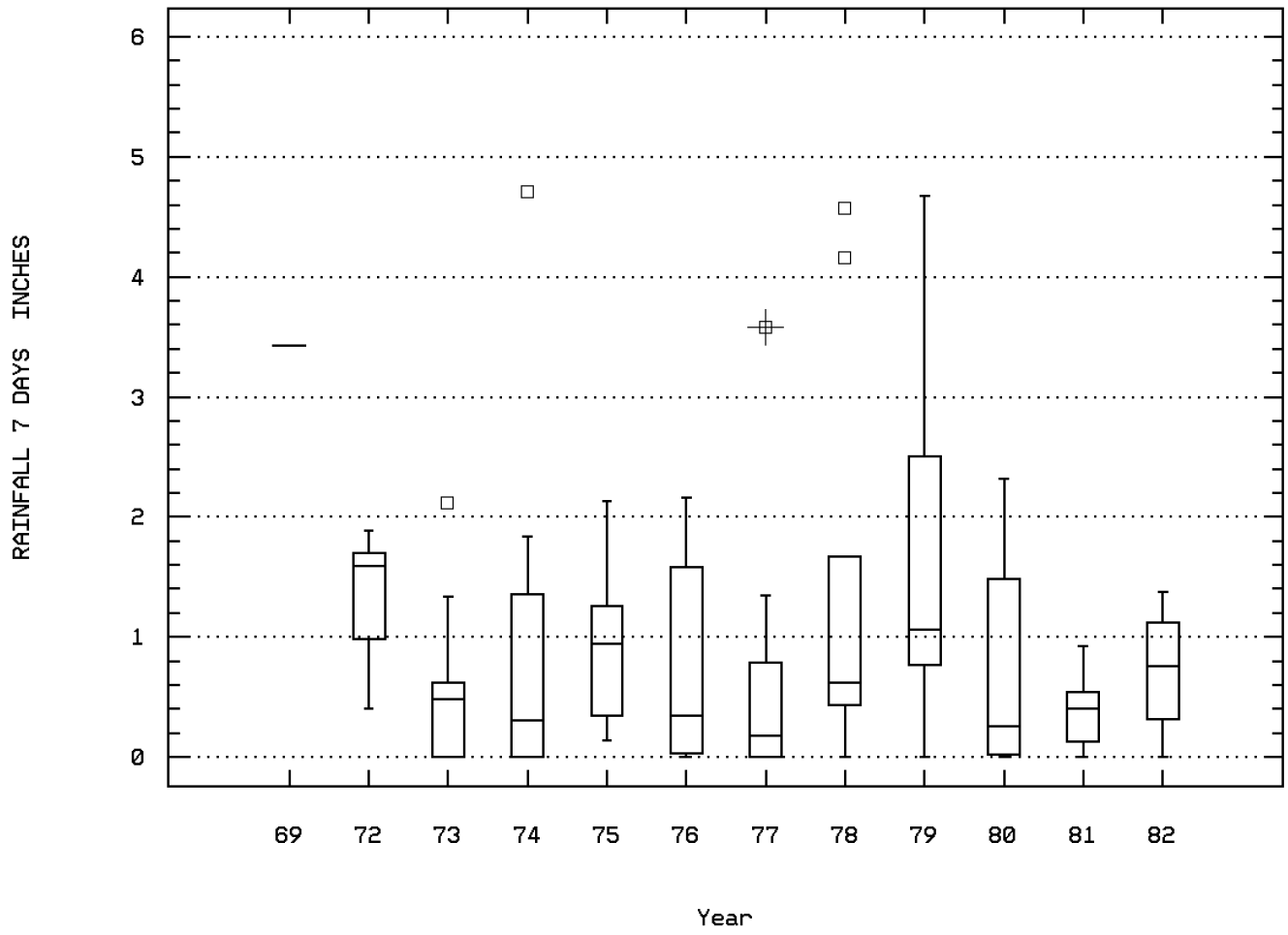
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00128 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	31	26.7	26.106	29.9	19.	7.271	2.697	21.42	25.5	27.6	28.86
00480	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	29	21.8	21.152	26.	12.2	9.755	3.123	18.3	19.1	23.3	24.7
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	22	8.	58.	1100.	1.5	54257.048	232.931	1.5	1.5	10.5	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	22	0.9	0.793	3.041	0.176	0.463	0.68	0.176	0.176	1.01	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.209								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.	0.179	0.91	0.	0.087	0.295	0.	0.	0.27	0.742
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.8	1.288	4.7	0.	2.147	1.465	0.	0.03	1.84	4.37

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	41	7.4	8.544	18.4	2.8	21.702	4.659	3.22	5.25	11.95	15.1
00480	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	40	18.95	18.53	25.7	7.2	16.631	4.078	13.66	16.475	20.775	23.85
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	28	4.	7.482	43.	1.5	121.639	11.029	1.5	1.5	9.	25.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	28	0.602	0.602	1.633	0.176	0.203	0.45	0.176	0.176	0.954	1.389
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	41	0.	0.055	1.01	0.	0.037	0.193	0.	0.	0.	0.152
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	41	0.58	0.734	2.5	0.	0.454	0.674	0.	0.145	1.16	1.694

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/69-12/20/82	42	17.75	17.788	27.	6.3	38.486	6.204	9.15	12.3	23.65	25.91
00480	SALINITY - PARTS PER THOUSAND	07/14/69-12/20/82	42	17.4	17.381	24.	8.6	10.027	3.167	13.3	15.1	19.1	21.92
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	30	4.	6.367	39.	1.5	68.826	8.296	1.5	1.5	7.5	21.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	30	0.602	0.581	1.591	0.176	0.172	0.414	0.176	0.176	0.872	1.33
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.814								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.	0.124	1.37	0.	0.082	0.286	0.	0.	0.105	0.497
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.435	0.757	4.15	0.	0.732	0.856	0.	0.143	1.12	1.965

** - Less than 9 observations ## - Computed 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: COLO0129

NPS Station ID: COLO0129 LAT/LON: 37.241392/ -76.521115 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05112Z
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.210 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.09 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-07/14/69	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-07/14/69	1	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-07/14/69	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-07/14/69	1	3.43	3.43	3.43	3.43	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: COLO0129

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: COLO0130

NPS Station ID: COLO0130 LAT/LON: 37.241670/ -76.506948 Agency: 21VASWCB Date Created: 11/15/80
Location: YORK RIVER, AT COLEMAN BRIDGE,YRM, NSSP STATION FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): XQE4504 /X366000 /Y4123000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK, YORK RIVERS-VIRGINIA COAST ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 6.560 Distance from RF1: 10.60 On/Off RF1: OFF
RF3 Index: 02080107001300.44 RF3 Mile Point: 6.10 Distance from RF3: 0.38 On/Off RF3:
Description:
CHESAPEAKE BAY PROGRAM TISSUE AND SEDIMENT DATA ALL DATA FROM VIRGINIA BUREAU OF SHELLFISH SANITATION UNLESS OTHERWISE DESIGNATED
VIMS MASTERS THESIS OF PETER F. SHERIDAN AUGUST 1973 DATA FROM 8-15-72/ SWCB FISH KILL 75-028 6-17-75/
VIMS MERCENARIA DATA FROM 9-10-72 /

Parameter Inventory for Station: COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39364	DDD IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/72-08/15/72	6	14500.	21833.333	59000.	2000.	516566666.667	22728.103	**	**	**	**
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/72-07/12/79	43	50.	3793.372	55000.	10.	102062269.906	10102.587	10.	20.	420.	12000.
39374	DDT IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	03/30/76-03/30/76	1	30.	30.	30.	30.	0.	0.	**	**	**	**
39520	PCBS IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	03/20/76-07/12/79	23	100.	212.609	1000.	50.	43538.34	208.658	50.	100.	300.	400.
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	31	21.8	22.183	47.6	1.9	126.358	11.241	4.12	15.	28.	38.66
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	28	535.	515.118	1080.	7.5	63965.563	252.914	10.48	412.75	652.5	861.5
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/72-10/17/80	31	0.54	2.509	62.	0.2	121.932	11.042	0.218	0.44	0.68	0.796
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	88	1.	4.716	11.	1.	18.137	4.259	1.	1.	10.	10.
81656	MAGNESIUM IN FISH TISSUE WET WEIGHT MG/KG	06/17/75-06/17/75	4	34.5	37.	47.	32.	46.	6.782	**	**	**	**

** - Less than 9 observations ## - 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. **********

Annual Analysis for 1972 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	13	7.	6.769	11.	4.	7.692	2.774	4.	4.	9.	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 1974 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	6	10.	10.	10.	10.	0.	0.	**	**	**	**

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

Annual Analysis for 1975 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	7	1.	4.857	10.	1.	23.143	4.811	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	22	1.	3.455	10.	1.	16.831	4.103	1.	1.	10.	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 1977 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	9	10.	6.	10.	1.	22.5	4.743	1.	1.	10.	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 1978 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	3	10.	10.	10.	10.	0.	0.	**	**	**	**

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

Annual Analysis for 1979 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	27	1.	2.333	10.	1.	10.615	3.258	1.	1.	1.	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 1980 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/72-07/12/79	34	30.	4762.206	55000.	10.	125273177.562	11192.55	10.	13.75	6000.	15500.
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	9	20.	18.798	47.6	1.9	255.776	15.993	1.9	2.29	29.65	47.6
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	6	217.25	294.55	850.	7.5	119643.075	345.895	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/72-10/17/80	9	0.42	0.366	0.51	0.2	0.021	0.146	0.2	0.205	0.5	0.51
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	43	1.	4.	11.	1.	14.857	3.854	1.	1.	7.	10.

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	12	28.	28.5	45.	12.	73.	8.544	14.4	23.	32.	43.2
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	12	587.5	655.833	1080.	440.	34826.515	186.619	465.5	545.	693.75	1045.5
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/72-10/17/80	12	0.63	0.643	0.82	0.44	0.015	0.124	0.467	0.545	0.768	0.814
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	12	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39369	DDE IN SHELLFISH OR ANIMAL (UG/KG WET WEIGHT)	08/15/72-07/12/79	9	90.	133.333	420.	40.	15475.	124.399	40.	45.	200.	420.
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	10	17.8	17.65	24.	11.	17.118	4.137	11.1	14.25	20.5	23.8
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	09/10/72-10/17/80	10	452.	478.6	715.	240.	22546.267	150.154	250.	387.25	647.5	709.
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	09/10/72-10/17/80	10	0.565	6.679	62.	0.32	377.844	19.438	0.325	0.438	0.685	55.87
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	08/15/72-10/17/80	33	1.	3.727	10.	1.	17.642	4.2	1.	1.	10.	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

Station Inventory for Station: COLO0131

NPS Station ID: COLO0131 LAT/LON: 37.241948/ -76.504449 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK R:YORKTOWN TO GOODWIN ISLANDS NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05216A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 6.320 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 1.90 Distance from RF3: 0.49 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	68 ##	1.75	5.985	93.	1.5	172.664	13.14	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	68 ##	0.239	0.472	1.968	0.176	0.167	0.408	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.962								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	40 ##	1.5	3.375	23.	1.5	15.147	3.892	1.5	1.5	3.6	8.92
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	40 ##	0.176	0.39	1.362	0.176	0.093	0.306	0.176	0.176	0.556	0.949
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.453								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	107	0.	0.052	0.95	0.	0.024	0.156	0.	0.	0.	0.164
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	107	0.53	0.854	7.18	0.	1.099	1.048	0.	0.13	1.31	2.052

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

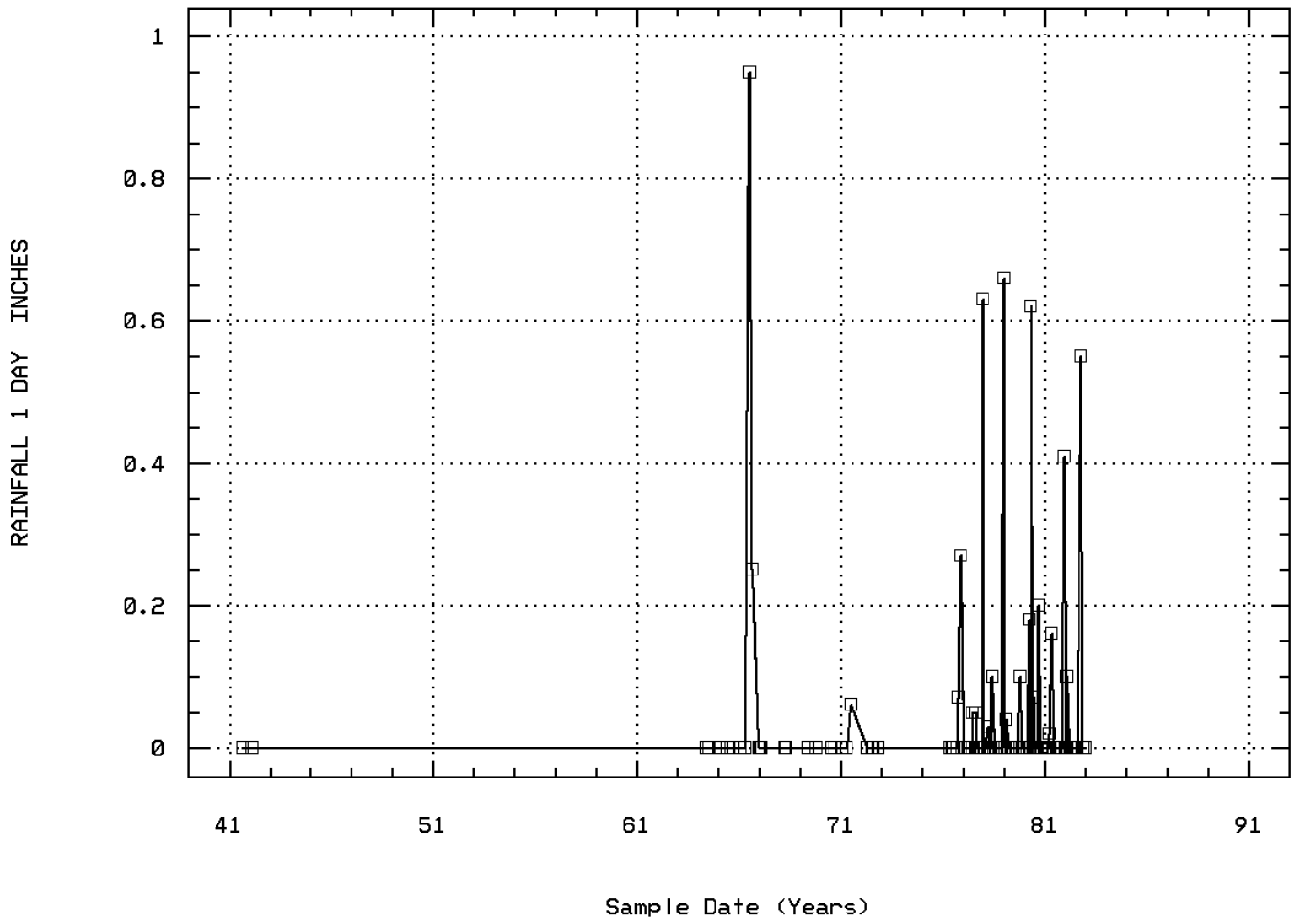
EPA Water Quality Criteria Analysis for Station: COLO0131

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	68	0	0.00	23	0	0.00	19	0	0.00	26	0	0.00			

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

Station: COL00131 Parameter Code: 82553

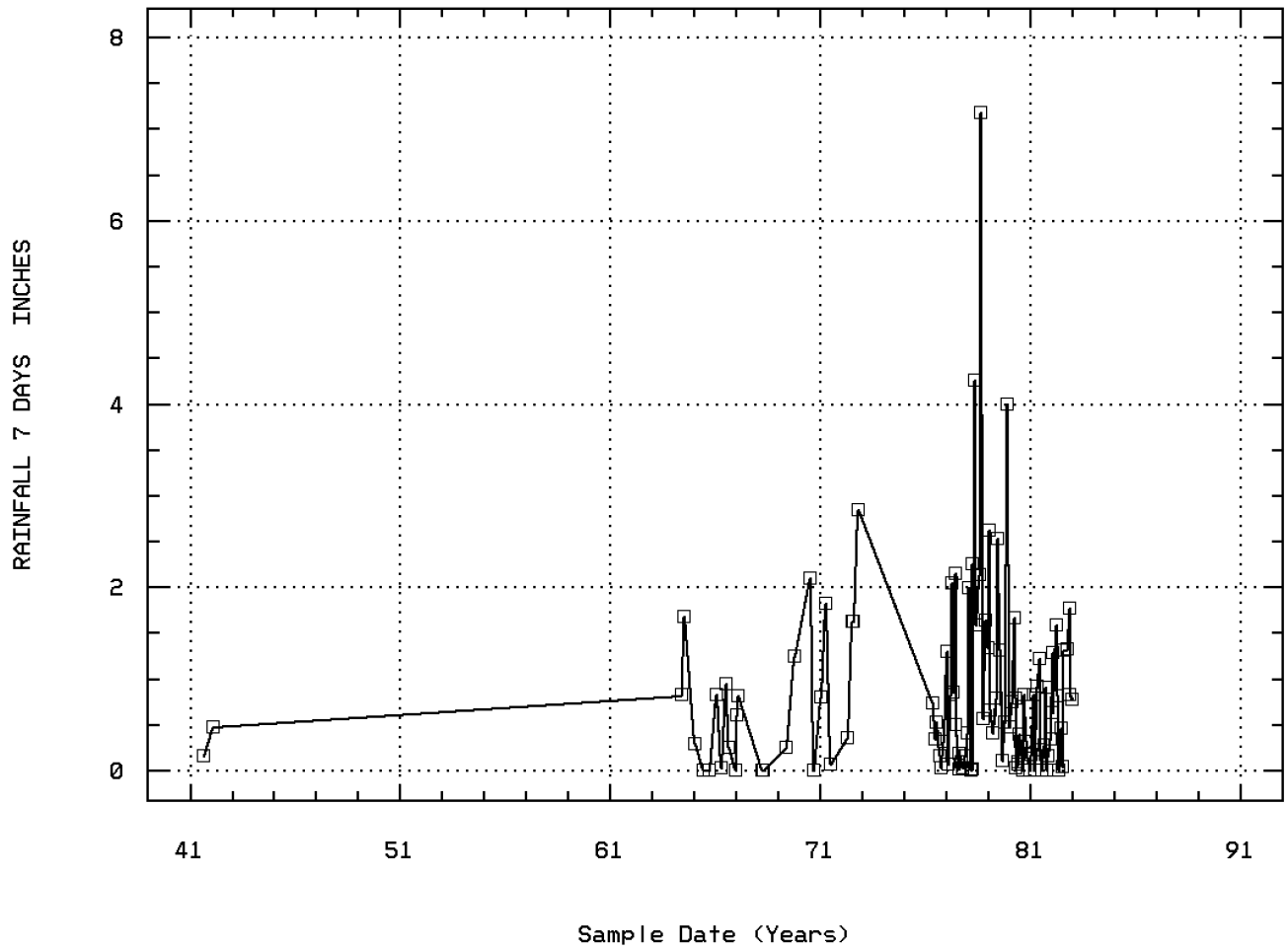
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COL00131 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Annual Analysis for 1941 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**

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

Annual Analysis for 1942 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**

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

Annual Analysis for 1964 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	1.255	1.255	1.68	0.83	0.361	0.601	**	**	**	**

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

Annual Analysis for 1965 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	3	0.	0.097	0.29	0.	0.028	0.167	**	**	**	**

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

Annual Analysis for 1966 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	5	0.	0.24	0.95	0.	0.169	0.411	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	5	0.25	0.412	0.95	0.	0.202	0.449	**	**	**	**

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

Annual Analysis for 1967 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**

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

Annual Analysis for 1968 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1969 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	0.75	0.75	1.25	0.25	0.5	0.707	**	**	**	**

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

Annual Analysis for 1970 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	3	0.	0.02	0.06	0.	0.001	0.035	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	3	0.8	0.897	1.82	0.07	0.773	0.879	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	6	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	6	1.62	1.612	2.84	0.35	0.62	0.788	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	7	0.	0.049	0.27	0.	0.01	0.101	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	7	0.34	0.486	1.3	0.03	0.182	0.426	**	**	**	**

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

Annual Analysis for 1977 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	14	0.	0.076	0.62	0.	0.029	0.171	0.	0.	0.098	0.41
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	14	0.315	0.416	1.67	0.	0.217	0.466	0.	0.053	0.76	1.245

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

Annual Analysis for 1981 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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 1982 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	23 ##	1.5	2.848	9.	1.5	4.942	2.223	1.5	1.5	4.	7.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	23 ##	0.176	0.366	0.954	0.176	0.068	0.261	0.176	0.176	0.602	0.813
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.321								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	35	0.	0.035	0.55	0.	0.011	0.106	0.	0.	0.	0.14
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	35	0.32	0.881	7.18	0.	1.763	1.328	0.	0.04	1.32	1.864

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	19	4.	4.211	15.	1.5	13.842	3.72	1.5	1.5	4.	9.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	19	0.602	0.493	1.176	0.176	0.112	0.335	0.176	0.176	0.602	0.954
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.109								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	33	0.	0.065	0.66	0.	0.03	0.172	0.	0.	0.	0.354
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	33	0.63	0.805	4.	0.	0.722	0.85	0.024	0.165	1.055	1.902

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

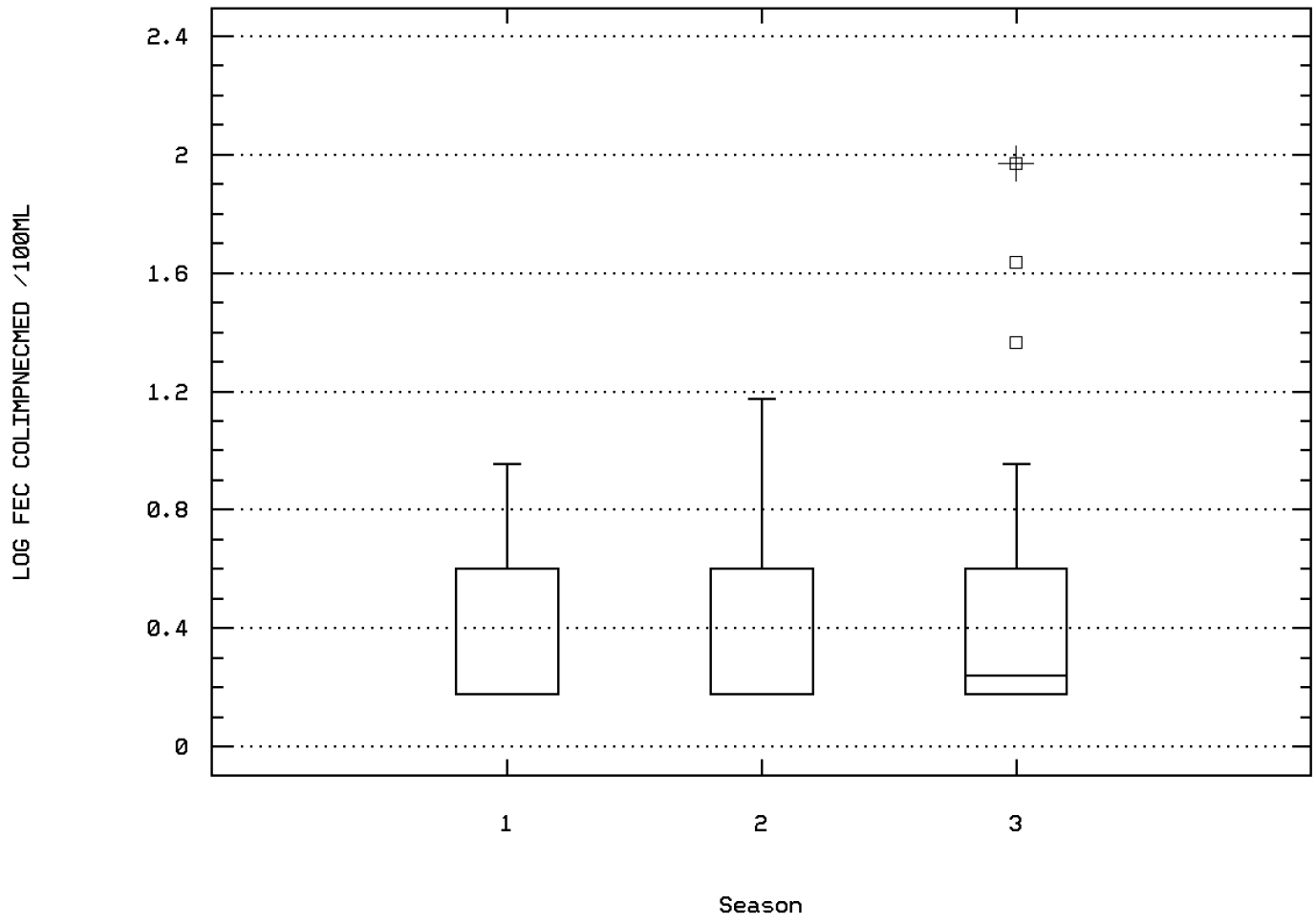
Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	26 ##	1.75	10.058	93.	1.5	419.727	20.487	1.5	1.5	4.75	43.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/17/41-08/30/79	26 ##	0.239	0.55	1.968	0.176	0.289	0.538	0.176	0.176	0.663	1.633
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.548								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	39	0.	0.057	0.95	0.	0.033	0.181	0.	0.	0.02	0.16
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/17/41-12/07/82	39	0.73	0.87	4.26	0.	0.878	0.937	0.	0.07	1.59	2.15

** - 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

Station: COLO0131 Parameter Code: 31615

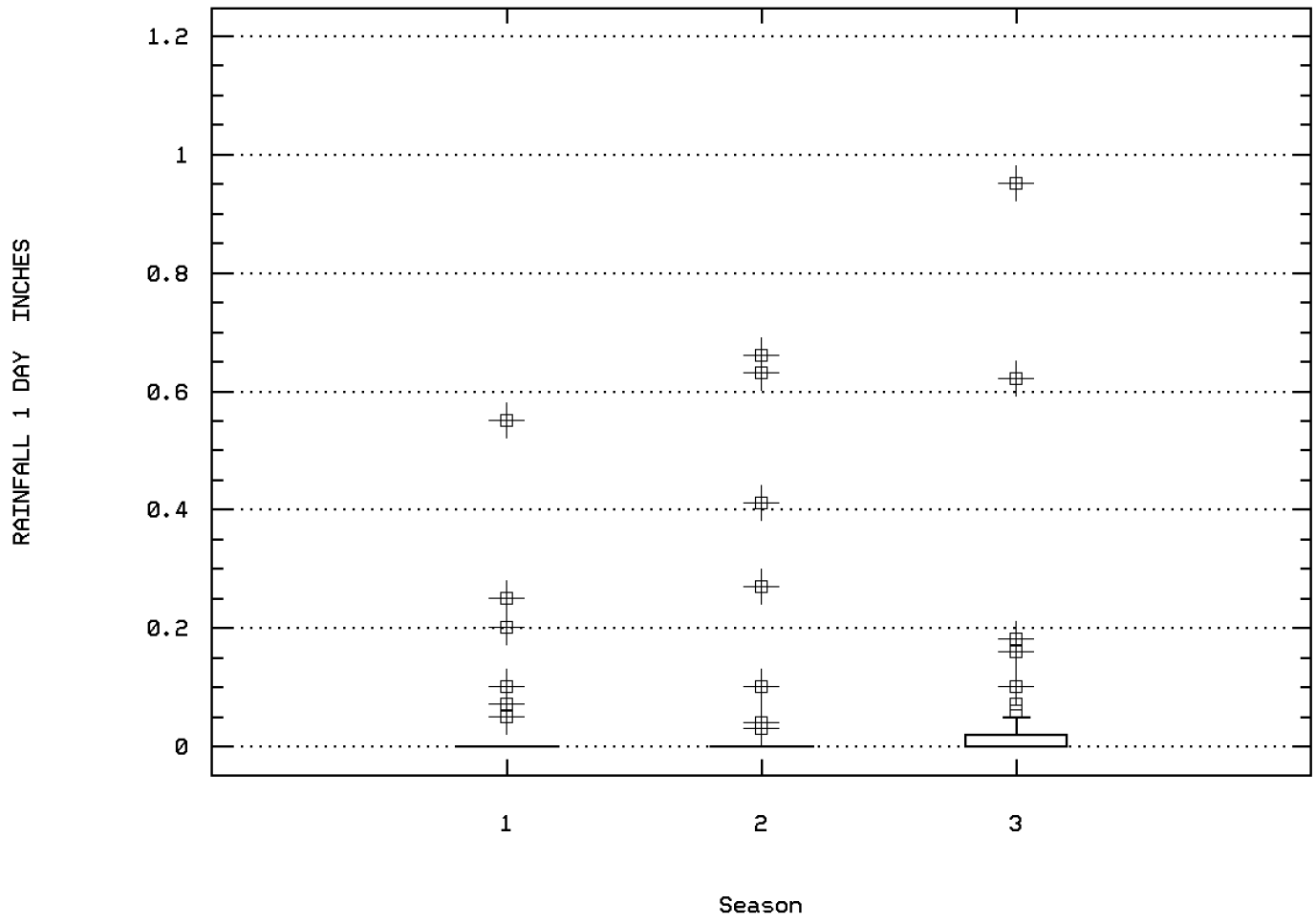
LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0131 Parameter Code: 82553

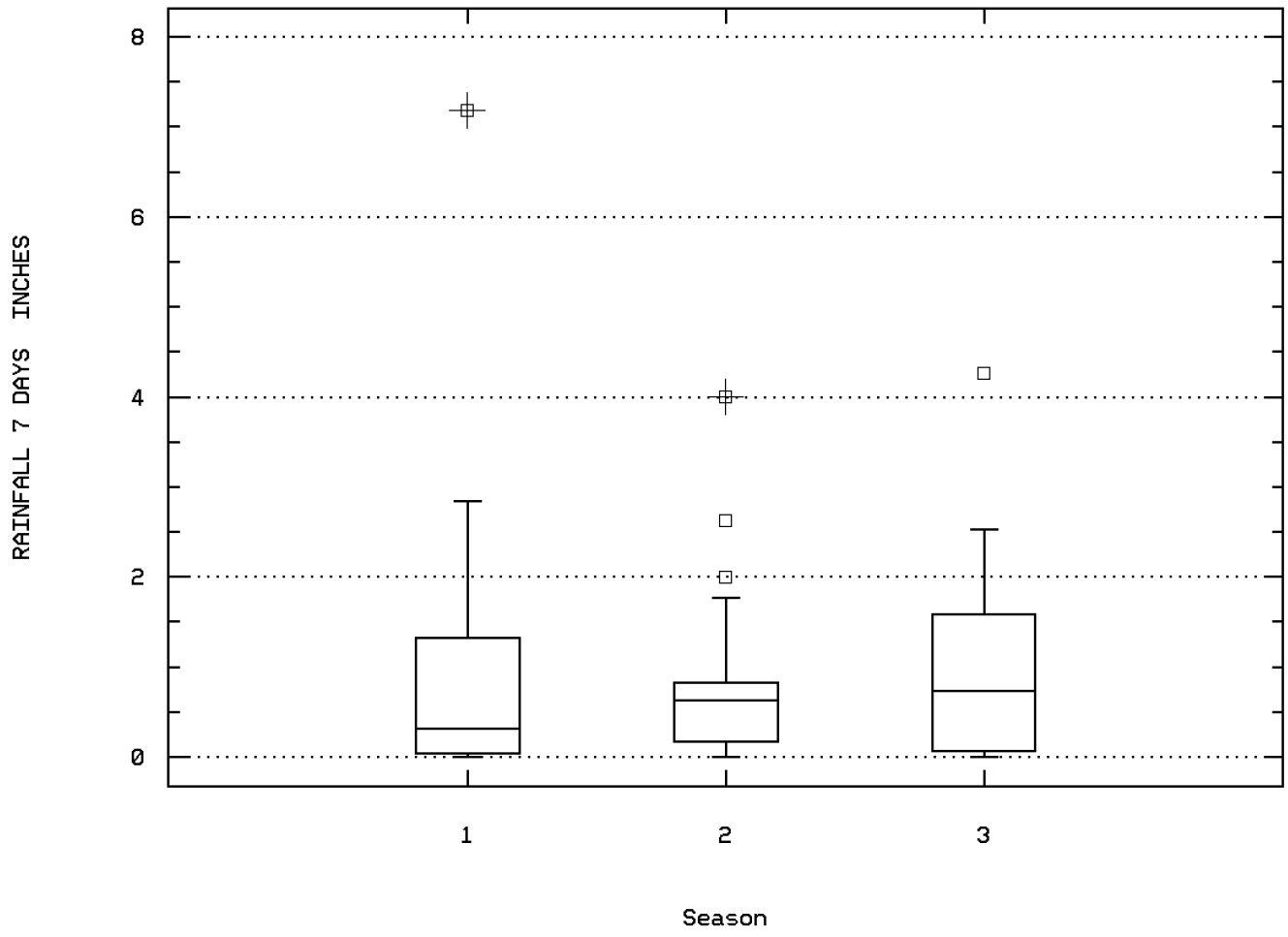
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station: COLO0131 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:YORKTOWN TO GOODWIN ISLANDS NUMB

Station Inventory for Station: COLO0132

NPS Station ID: COLO0132 LAT/LON: 37.242226/ -76.520281 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05112
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.210 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	24	4.	11.583	75.	1.5	278.645	16.693	1.5	4.	9.	33.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	24	0.602	0.796	1.875	0.176	0.212	0.46	0.176	0.602	0.954	1.498
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.249								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	33	3.6	17.827	210.	1.5	1552.215	39.398	1.5	1.5	12.05	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	33	0.556	0.748	2.322	0.176	0.366	0.605	0.176	0.176	1.068	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.593								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	57	0.	0.11	1.01	0.	0.061	0.247	0.	0.	0.075	0.548
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	57	0.68	0.998	4.67	0.	1.381	1.175	0.	0.18	1.275	2.878

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

EPA Water Quality Criteria Analysis for Station: COLO0132

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	24	0	0.00	8	0	0.00	8	0	0.00	8	0	0.00			

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

Annual Analysis for 1969 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1977 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.	0.01	0.05	0.	0.001	0.022	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.29	0.932	3.57	0.	2.278	1.509	**	**	**	**

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

Annual Analysis for 1978 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.354	4.57	0.	2.748	1.658	0.	0.323	2.29	4.528

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

Annual Analysis for 1979 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.082	0.62	0.	0.038	0.196	0.	0.	0.01	0.55
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.29	0.775	2.32	0.	0.777	0.881	0.002	0.02	1.7	2.25

** - 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 1981 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

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

Annual Analysis for 1982 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	17	0.	0.145	0.76	0.	0.059	0.243	0.	0.	0.265	0.688
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	17	0.4	1.272	4.67	0.	2.841	1.685	0.	0.015	2.565	4.59

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	19	0.	0.075	1.01	0.	0.056	0.236	0.	0.	0.	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	19	0.55	0.831	2.5	0.	0.633	0.796	0.	0.13	1.38	2.32

** - 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 #3: 3/01 to 6/30 - Station COLO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.	0.114	1.	0.	0.071	0.267	0.	0.	0.05	0.602
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.77	0.928	4.15	0.	0.93	0.964	0.014	0.345	1.165	2.49

** - 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

Station Inventory for Station: COLO0133

NPS Station ID: COLO0133
Location: COLONIAL PARKWAY
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER KING CK AT
RF1 Index: 02080107004
RF3 Index: 02080107000802.36
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.242226/ -76.524726
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 8.500
RF3 Mile Point: 2.35

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): KIN 001 /KING CR 1
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.01

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

Parameter Inventory for Station: COLO0133

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

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

Station Inventory for Station: COLO0134

NPS Station ID: COLO0134
LAT/LON: 37.242226/ -76.525004
Agency: 21VASWCB
Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BSS05113Y
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
ECO Region:
RF1 Index: 02080107004
RF1 Mile Point: 8.500
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107000802.22
RF3 Mile Point: 2.22
Distance from RF3: 0.14
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0134

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

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

Station Inventory for Station: COLO0135

NPS Station ID: COLO0135 LAT/LON: 37.242503/ -76.515837 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0512
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 7.060 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.36 RF3 Mile Point: 2.35 Distance from RF3: 0.19 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	21	9.	14.738	93.	1.5	427.615	20.679	1.5	4.	21.5	39.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	21	0.954	0.902	1.968	0.176	0.231	0.481	0.176	0.602	1.331	1.579
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.979								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	11.374	93.	1.5	337.112	18.361	1.5	1.5	23.	31.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.673	1.968	0.176	0.303	0.55	0.176	0.176	1.362	1.47
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.714								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	56	0.	0.094	1.	0.	0.047	0.217	0.	0.	0.04	0.397
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	56	0.545	0.975	4.67	0.	1.41	1.187	0.	0.14	1.25	2.947

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

EPA Water Quality Criteria Analysis for Station: COLO0135

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	21	0	0.00	8	0	0.00	5	0	0.00	8	0	0.00			

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

Annual Analysis for 1969 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1977 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.15	0.967	3.57	0.	3.028	1.74	**	**	**	**

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

Annual Analysis for 1978 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.039	0.14	0.	0.004	0.059	0.	0.	0.105	0.14
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.52	1.317	4.57	0.	3.081	1.755	0.	0.215	2.555	4.57

** - 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 1979 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.075	0.62	0.	0.035	0.188	0.	0.	0.008	0.515
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

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

Annual Analysis for 1981 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

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

Annual Analysis for 1982 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	17	0.	0.145	0.76	0.	0.059	0.243	0.	0.	0.265	0.688
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	17	0.4	1.272	4.67	0.	2.841	1.685	0.	0.015	2.565	4.59

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	18	0.	0.023	0.25	0.	0.005	0.068	0.	0.	0.	0.169
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	18	0.51	0.749	2.5	0.	0.648	0.805	0.	0.098	1.14	2.338

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.	0.114	1.	0.	0.071	0.267	0.	0.	0.05	0.602
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.77	0.928	4.15	0.	0.93	0.964	0.014	0.345	1.165	2.49

** - 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

Station Inventory for Station: COLO0136

NPS Station ID: COLO0136 LAT/LON: 37.242503/ -76.523060 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05113Z
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.500 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	24	4.	21.	240.	1.5	2365.739	48.639	1.5	1.5	21.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	24	0.602	0.818	2.38	0.176	0.386	0.621	0.176	0.176	1.315	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.58								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	33	3.6	18.461	240.	1.5	1921.991	43.841	1.5	1.5	19.	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	33	0.556	0.747	2.38	0.176	0.369	0.607	0.176	0.176	1.269	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.58								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	57	0.	0.11	1.01	0.	0.061	0.247	0.	0.	0.075	0.548
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	57	0.68	0.998	4.67	0.	1.381	1.175	0.	0.18	1.275	2.878

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

EPA Water Quality Criteria Analysis for Station: COLO0136

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	24	1	0.04	8	1	0.13	8	0	0.00	8	0	0.00			

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

Annual Analysis for 1969 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1977 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.	0.01	0.05	0.	0.001	0.022	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.29	0.932	3.57	0.	2.278	1.509	**	**	**	**

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

Annual Analysis for 1978 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.354	4.57	0.	2.748	1.658	0.	0.323	2.29	4.528

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

Annual Analysis for 1979 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.082	0.62	0.	0.038	0.196	0.	0.	0.01	0.55
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.29	0.775	2.32	0.	0.777	0.881	0.002	0.02	1.7	2.25

** - 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 1981 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

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

Annual Analysis for 1982 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	17	0.	0.145	0.76	0.	0.059	0.243	0.	0.	0.265	0.688
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	17	0.4	1.272	4.67	0.	2.841	1.685	0.	0.015	2.565	4.59

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	19	0.	0.075	1.01	0.	0.056	0.236	0.	0.	0.	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	19	0.55	0.831	2.5	0.	0.633	0.796	0.	0.13	1.38	2.32

** - 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 #3: 3/01 to 6/30 - Station COLO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.	0.114	1.	0.	0.071	0.267	0.	0.	0.05	0.602
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.77	0.928	4.15	0.	0.93	0.964	0.014	0.345	1.165	2.49

** - 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

Station Inventory for Station: COLO0137

NPS Station ID: COLO0137 LAT/LON: 37.242781/ -76.520003 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05110
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.210 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.74 RF3 Mile Point: 1.74 Distance from RF3: 0.11 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	5	4.	10.	39.	1.5	264.375	16.26	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	5	0.602	0.629	1.591	0.176	0.334	0.578	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.261								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	5	0.	1.152	5.	0.	4.736	2.176	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	5	0.29	1.46	3.57	0.	3.484	1.867	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0137

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	0	0.00	5	0	0.00									

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

Station Inventory for Station: COLO0138

NPS Station ID: COLO0138
LAT/LON: 37.242781/ -76.520838
Agency: 21VASWCB
Date Created: 04/19/76
Location: YORK RIVER CLIFFS
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 8-YRK006.53 /VA8-01-X0091/VA8-5X0091
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 8-YORK
ECO Region:
RF1 Index: 02080107004
RF1 Mile Point: 8.210
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107000801.14
RF3 Mile Point: 1.13
Distance from RF3: 0.31
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: YORK RIVER SECTION: 01 TOPO MAP #: 0066 TOPO MAP NAME: YORKTOWN, VA

Parameter Inventory for Station: COLO0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/01/76-04/13/78	2 ##	10.65	10.65	17.95	3.35	106.58	10.324	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3 ##	0.165	0.17	0.18	0.165	0.	0.009	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3	15.8	16.72	24.69	9.67	57.035	7.552	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/01/76-04/13/78	3	6.1	7.257	12.	3.67	18.351	4.284	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/01/76-04/13/78	3	10.8	11.387	16.69	6.67	25.358	5.036	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3	6.67	5.733	7.2	3.33	4.402	2.098	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/01/76-04/13/78	3	32.3	46.33	86.69	20.	1259.52	35.49	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/01/76-04/13/78	3	0.1	0.123	0.2	0.07	0.005	0.068	**	**	**	**

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

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

Station Inventory for Station: COLO0139

NPS Station ID: COLO0139 LAT/LON: 37.243338/ -76.506671 Agency: 21VASWCB Date Created: 02/26/76
Location: COLEMAN BR. OFF YORKTOWN BRIDGE FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 8-YRK005.93 /VA8-01-X0079/VA8-5X0079
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 6.560 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 0.46 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: YORK RIVER SECTION: 01 TOPO MAP #: 0066 TOPO MAP NAME: YORKTOWN, VA

Parameter Inventory for Station: COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	78	14.	15.228	29.	0.	68.904	8.301	4.49	8.75	24.	26.1
00023	SAMPLE WEIGHT IN POUNDS	07/17/79-08/13/87	20	0.295	0.407	1.86	0.1	0.157	0.396	0.1	0.2	0.46	0.83
00024	SAMPLE LENGTH IN INCHES	07/17/79-08/13/87	18	8.98	9.522	18.44	6.29	8.343	2.888	7.19	7.745	10.038	14.255
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/06/84	59	28080.	28371.576	44800.	2195.	88680697.041	9417.043	18820.	22200.	34302.	41800.
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	79	8.7	9.085	14.2	4.2	6.348	2.52	6.	6.8	11.4	12.6
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-08/06/84	59	2.	2.051	14.	0.5	3.454	1.859	1.	1.	3.	3.
00400	PH (STANDARD UNITS)	03/01/76-08/06/84	70	8.01	8.202	9.75	7.	0.442	0.665	7.5	7.6	9.	9.
00400	CONVERTED PH (STANDARD UNITS)	03/01/76-08/06/84	70	8.01	7.817	9.75	7.	0.592	0.769	7.5	7.6	9.	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-08/06/84	70	0.01	0.015	0.1	0.	0.	0.018	0.001	0.001	0.025	0.032
00403	PH, LAB, STANDARD UNITS SU	02/10/81-08/06/84	21	7.7	7.571	7.9	6.8	0.081	0.285	7.2	7.4	7.8	7.88
00403	CONVERTED PH, LAB, STANDARD UNITS	02/10/81-08/06/84	21	7.7	7.463	7.9	6.8	0.093	0.306	7.2	7.4	7.8	7.88
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/10/81-08/06/84	21	0.02	0.034	0.158	0.013	0.001	0.032	0.013	0.016	0.04	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/10/81-08/06/84	21	79.	76.429	91.	32.	193.257	13.902	60.2	70.	86.5	90.
00500	RESIDUE, TOTAL (MG/L)	06/21/79-11/13/79	6	20495.	20608.	28210.	8698.	51549904.	7179.826	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/21/79-11/13/79	6	6031.5	7418.333	12170.	4520.	10848519.467	3293.709	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/21/79-11/13/79	6	15385.	13188.667	17250.	2702.	29681906.667	5448.11	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/79-08/06/84	56	23.	151.054	7000.	6.	868610.852	931.993	10.7	16.	37.25	49.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/21/79-08/06/84	56	7.	8.286	19.	2.	20.899	4.572	3.	5.25	11.	15.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/21/79-08/06/84	57	16.	17.667	63.	1.	156.869	12.525	3.	8.	26.5	34.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	75 ##	0.05	0.06	0.2	0.05	0.001	0.028	0.05	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	78 ##	0.005	0.013	0.15	0.005	0.001	0.023	0.005	0.005	0.006	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	60 ##	0.025	0.048	0.46	0.005	0.004	0.06	0.025	0.025	0.06	0.089
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/01/76-05/12/83	10	0.3	0.645	3.9	0.05	1.329	1.153	0.065	0.2	0.45	3.57
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/01/76-03/13/79	18 ##	0.025	0.044	0.15	0.025	0.001	0.034	0.025	0.025	0.063	0.087
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/80-05/12/83	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	58	0.01	0.018	0.08	0.005	0.	0.017	0.005	0.009	0.023	0.032
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-08/06/84	59	7.	6.593	18.	1.	6.625	2.574	4.	5.	8.	9.
01002	ARSENIC, TOTAL (UG/L AS AS)	09/16/76-04/19/84	8 ##	1.	1.063	2.	0.5	0.174	0.417	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/12/80-06/12/84	4	6.9	7.8	13.4	4.	15.867	3.983	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	08/13/87-08/13/87	3	0.8	0.867	1.2	0.6	0.093	0.306	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/19/84-04/19/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/12/83-06/12/84	2 ##	0.85	0.85	1.	0.7	0.045	0.212	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/16/76-04/19/84	8 ##	5.	4.438	5.	0.5	2.531	1.591	**	**	**	**

** - Less than 9 observations ## - 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: COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/84	4 ##	0.6	0.769	1.8	0.075	0.701	0.837	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/84	4	21.4	21.1	25.6	16.	23.647	4.863	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/16/76-04/19/84	8	15.	15.813	40.	0.5	203.71	14.273	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/16/76-04/19/84	8	20.	24.375	90.	5.	788.839	28.086	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/12/80-06/12/84	4	9.95	10.273	11.8	9.39	1.108	1.053	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/13/79-03/13/79	1	340.	340.	340.	340.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/16/76-04/19/84	8	3.	8.	31.	1.	102.571	10.128	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/12/80-06/12/84	4	24.45	24.325	38.	10.4	174.583	13.213	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/13/79-03/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	04/19/84-04/19/84	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/16/76-03/13/79	6 ##	50.	55.	80.	50.	150.	12.247	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/24/82-04/19/84	2	130.	130.	230.	30.	20000.	141.421	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/12/80-06/12/84	4	11.	11.025	14.2	7.9	9.556	3.091	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	08/13/87-08/13/87	3 ##	1.05	1.033	1.05	1.	0.001	0.029	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/16/76-04/19/84	8	30.	61.	290.	3.	8952.286	94.617	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/12/80-06/12/84	4	57.55	59.8	72.1	52.	78.42	8.856	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/19/84-04/19/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/12/83-06/12/84	2 ##	1.2	1.2	1.4	1.	0.08	0.283	**	**	**	**
02613		09/07/82-09/07/82	1	1576.	1576.	1576.	1576.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	03/01/76-03/13/79	17 ##	15.	42.912	430.	1.5	10146.507	100.73	3.5	9.5	40.	120.4
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	03/01/76-03/13/79	17 ##	1.176	1.206	2.633	0.176	0.305	0.552	0.517	0.889	1.602	1.833
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			16.055								
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/23/80-08/06/84	45	23.	89.689	930.	1.5	29328.231	171.255	1.5	4.	84.	294.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/23/80-08/06/84	45	1.362	1.314	2.968	0.176	0.64	0.8	0.176	0.602	1.922	2.453
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			20.605								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/23/80-08/06/84	45	4.	18.511	230.	1.	2229.687	47.22	1.5	1.5	14.5	31.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	10/23/80-08/06/84	45	0.602	0.766	2.362	0.	0.323	0.568	0.176	0.176	1.161	1.47
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			5.839								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/01/76-05/07/81	34 ##	15.	30.176	100.	1.	710.347	26.652	1.5	12.	50.	50.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/01/76-05/07/81	34 ##	1.176	1.195	2.	0.	0.385	0.621	0.176	1.001	1.699	1.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.685								
34258	B-BHC-BETA WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34480	THALLIUM DRY WGTBOTMG/KG	05/12/83-06/12/84	2	3.1	3.1	4.2	2.	2.42	1.556	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	07/17/79-08/13/87	20 ##	0.25	0.283	0.5	0.005	0.041	0.202	0.005	0.05	0.5	0.5
34685	ENDRIN WET WGTTISMG/KG	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
34690	PCB - 1254 WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	08/13/87-08/13/87	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/12/84-07/03/90	2 ##	12.503	12.503	25.	0.005	312.375	17.674	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39309	O P DDT IN AQUATIC ORGANISMS WET WEIGHT BASIS(UG/G	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39312	P P DDD IN TISSUE WET WGT (UG/G)	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39325	O,P DDD IN TISSUE WET WGT (UG/G)	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39329	O,P DDE IN TISSUE, WET WGT(UG/G)	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-04/19/84	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/12/83-05/12/83	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/12/84-07/03/90	2 ##	250.25	250.25	500.	0.5	124750.125	353.2	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39376	DDT SUM ANALOGS INTISSUE WET WGT BASIS	08/09/84-08/09/84	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/12/84-07/03/90	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/12/84-07/03/90	2 ##	250.25	250.25	500.	0.5	124750.125	353.2	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/12/84-07/03/90	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/17/79-08/13/87	20 ##	0.25	0.283	0.5	0.005	0.041	0.202	0.005	0.05	0.5	0.5
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/12/84-07/03/90	2 ##	250.25	250.25	500.	0.5	124750.125	353.2	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	06/24/82-04/19/84	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/12/83-05/12/83	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/24/79-06/16/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39781	LINDANE AQUATIC ORGANISMS WT WGT BASIS(UG/G)	07/17/79-08/09/84	17 ##	0.25	0.245	0.5	0.005	0.038	0.196	0.005	0.05	0.5	0.5
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/23/76-11/23/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/01/76-08/16/78	9 ##	0.05	0.089	0.4	0.05	0.014	0.117	0.05	0.05	0.05	0.4
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/01/76-03/13/79	18 ##	0.005	0.008	0.02	0.005	0.	0.006	0.005	0.005	0.006	0.02
71900	MERCURY, TOTAL (UG/L AS HG)	09/16/76-04/19/84	8 ##	0.2	0.2	0.25	0.15	0.003	0.053	**	**	**	**
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	07/17/79-08/09/84	17 ##	1.05	2.289	7.8	0.03	6.985	2.643	0.038	0.445	4.25	7.64
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/81-06/12/84	3 ##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/17/79-08/13/87	20 ##	0.04	0.039	0.08	0.01	0.	0.021	0.01	0.02	0.05	0.078
71934	LEAD TOTAL IN FISH DRY WEIGHT BASIS	07/17/79-08/09/84	17 ##	1.45	2.706	10.	0.35	10.682	3.268	0.47	0.55	3.595	9.04
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/10/82-08/13/87	9 ##	1.05	1.222	2.3	0.5	0.526	0.725	0.5	0.5	2.05	2.3
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/10/82-08/13/87	9	1.1	2.427	11.	0.81	11.038	3.322	0.81	0.87	2.5	11.
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	08/13/87-08/13/87	3	7.9	14.233	28.3	6.5	148.893	12.202	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	08/10/82-08/13/87	9	0.31	0.308	0.7	0.1	0.028	0.168	0.1	0.205	0.345	0.7
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	08/10/82-08/13/87	9 ##	0.08	0.078	0.1	0.05	0.	0.022	0.05	0.05	0.1	0.1
71941	CADMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/17/79-08/09/84	17 ##	0.08	0.222	1.4	0.03	0.114	0.338	0.034	0.05	0.275	0.712
71942	COPPER,TOTAL IN FISH-DRY WEIGHT BASIS	07/17/79-08/09/84	17	3.4	7.615	42.	2.03	102.311	10.115	2.398	2.8	6.7	23.44
71943	CHROMIUM,TOTAL IN FISH-DRY WEIGHT BASIS	07/17/79-08/09/84	17	1.1	1.104	2.13	0.6	0.156	0.396	0.616	0.775	1.38	1.698
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/03/90-07/03/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/03/90-07/03/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/17/79-08/13/87	20	5.	5.25	8.	5.	0.618	0.786	5.	5.	5.	6.8
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	08/13/87-08/13/87	3 ##	1.05	1.033	1.05	1.	0.001	0.029	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	08/13/87-08/13/87	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
81896	DDE TOTAL IN TISSUE WET WEIGHT MG/KG	08/13/87-08/13/87	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81897	DDD TOTAL IN TISSUE WET WEIGHT MG/KG	08/13/87-08/13/87	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-2/28 Obs	10/16-2/28 Exceed	10/16-2/28 Prop.	3/01-6/30 Obs	3/01-6/30 Exceed	3/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	79	0	0.00	23	0	0.00	25	0	0.00	31	0	0.00			
00400	PH	Other-Hi Lim.	9.	70	20	0.29	21	5	0.24	23	3	0.13	26	12	0.46			
		Other-Lo Lim.	6.5	70	0	0.00	21	0	0.00	23	0	0.00	26	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	21	0	0.00	5	0	0.00	8	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	21	0	0.00	5	0	0.00	8	0	0.00	8	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	78	0	0.00	23	0	0.00	25	0	0.00	30	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	60	0	0.00	15	0	0.00	24	0	0.00	21	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	18	0	0.00	8	0	0.00	1	0	0.00	9	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	50.	8	0	0.00	3	0	0.00				5	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	0	0.00							1	0	0.00			
		Drinking Water	5.	1 &	0	0.00							1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	3	0	0.00				5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	5	0.63	3	2	0.67				5	3	0.60			
		Drinking Water	1300.	8	0	0.00	3	0	0.00				5	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	5.	8	3	0.38	3	1	0.33				5	2	0.40			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	6	0	0.00	3	0	0.00				3	0	0.00			
		Drinking Water	100.	6	0	0.00	3	0	0.00				3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00							2	0	0.00			
		Drinking Water	100.	2	1	0.50							2	1	0.50			
01092	ZINC, TOTAL	Fresh Acute	120.	8	1	0.13	3	0	0.00				5	1	0.20			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	17	0	0.00	7	0	0.00	1	0	0.00	9	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	45	0	0.00	11	0	0.00	19	0	0.00	15	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	45	2	0.04	11	0	0.00	19	2	0.11	15	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	34	0	0.00	12	0	0.00	6	0	0.00	16	0	0.00			
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	3	0	0.00	1	0	0.00				2	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00	1	0	0.00				2	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00	1	0	0.00				2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	5	0	0.00	1	0	0.00				4	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	2.	3	0	0.00	1	0	0.00				2	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	3	0	0.00	1	0	0.00				2	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	0.2	3	0	0.00	1	0	0.00				2	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	3	0	0.00	1	0	0.00				2	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	2	0	0.00							2	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	3	0	0.00	1	0	0.00				2	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	3	0	0.00	1	0	0.00				2	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	3	0	0.00				5	0	0.00			
		Drinking Water	2.	8	0	0.00	3	0	0.00				5	0	0.00			

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

Annual Analysis for 1976 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	7	22.2	19.529	26.1	7.8	58.299	7.635	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	7	6.8	7.543	11.2	5.6	3.823	1.955	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	6 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	7 ##	0.005	0.009	0.025	0.005	0.	0.007	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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Annual Analysis for 1977 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	4	20.5	20.	29.	10.	62.	7.874	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	5	7.8	9.18	12.6	7.2	5.432	2.331	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	5 ##	0.005	0.01	0.03	0.005	0.	0.011	**	**	**	**

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Annual Analysis for 1978 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	6	9.	11.667	26.	5.	55.867	7.474	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	6	8.25	8.483	11.2	5.4	4.706	2.169	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	6 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	6 ##	0.008	0.023	0.07	0.005	0.001	0.027	**	**	**	**

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Annual Analysis for 1979 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	8	17.	15.925	27.	4.4	69.359	8.328	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/06/84	7	20640.	19065.	26590.	2195.	61613041.667	7849.398	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	8	8.7	8.775	11.8	6.1	4.756	2.181	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-08/06/84	7	1.	1.857	4.	1.	1.476	1.215	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/79-08/06/84	5	22.	1416.6	7000.	9.	9742162.8	3121.244	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/21/79-08/06/84	6	6.	6.167	9.	3.	3.767	1.941	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/21/79-08/06/84	6	4.5	10.333	33.	1.	151.867	12.323	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	7 ##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	8 ##	0.005	0.023	0.11	0.005	0.001	0.037	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	7 ##	0.025	0.044	0.11	0.01	0.002	0.039	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	6	0.02	0.031	0.08	0.005	0.001	0.029	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-08/06/84	7	7.	6.286	10.	1.	10.571	3.251	**	**	**	**

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Annual Analysis for 1980 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	10	11.	12.65	24.	4.	43.836	6.621	4.05	7.875	18.875	23.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/06/84	10	26310.	28019.	41040.	17410.	62566276.667	7909.885	17797.	22022.5	35390.	40901.

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Annual Analysis for 1980 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	10	11.4	10.35	13.4	6.	8.218	2.867	6.03	6.825	12.675	13.38
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-08/06/84	10	1.5	1.95	5.	0.5	1.914	1.383	0.55	1.	3.	4.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/79-08/06/84	10	29.5	39.3	80.	23.	414.456	20.358	23.	23.	58.5	78.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/21/79-08/06/84	10	9.	10.9	19.	4.	29.433	5.425	4.3	7.	17.5	19.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/21/79-08/06/84	10	22.	28.4	63.	13.	256.933	16.029	13.	15.25	39.5	61.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	10 ##	0.05	0.075	0.2	0.05	0.002	0.049	0.05	0.05	0.1	0.19
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	10 ##	0.005	0.013	0.07	0.005	0.	0.02	0.005	0.005	0.01	0.064
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	10	0.05	0.09	0.46	0.025	0.017	0.132	0.025	0.025	0.073	0.422
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	10	0.01	0.018	0.06	0.01	0.	0.016	0.01	0.01	0.023	0.057
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-08/06/84	10	7.	7.6	10.	6.	1.378	1.174	6.1	7.	8.25	9.9

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Annual Analysis for 1981 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	12	12.5	14.567	27.8	0.	87.917	9.376	1.5	6.5	24.75	27.56
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/06/84	12	40765.	37789.167	44800.	19890.	60230026.515	7760.801	22071.	33525.	43562.5	44737.
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	12	8.75	8.992	12.7	4.2	7.934	2.817	4.74	6.725	11.4	12.67
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-08/06/84	12	1.	1.5	3.	1.	0.455	0.674	1.	1.	2.	2.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/79-08/06/84	12	18.5	24.167	49.	11.	191.606	13.842	11.	12.75	39.75	47.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/21/79-08/06/84	12	6.	7.667	14.	3.	14.606	3.822	3.3	5.	11.	14.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/21/79-08/06/84	12	14.	16.5	38.	4.	120.273	10.967	4.3	8.5	26.5	36.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	12 ##	0.005	0.021	0.15	0.005	0.002	0.042	0.005	0.005	0.01	0.117
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	12 ##	0.025	0.036	0.08	0.025	0.	0.021	0.025	0.025	0.051	0.077
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	12	0.02	0.024	0.07	0.005	0.001	0.023	0.005	0.005	0.028	0.07
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-08/06/84	12	7.	6.833	11.	1.	7.97	2.823	1.9	4.5	9.	10.7

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Annual Analysis for 1982 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	12	15.	14.808	26.	2.	75.904	8.712	2.9	6.375	24.375	25.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/06/84	11	33000.	29719.273	35380.	3110.	84099501.818	9170.578	8008.	28900.	34302.	35166.
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	12	8.5	8.792	14.2	5.8	6.523	2.554	5.86	6.25	10.3	13.48
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-08/06/84	11	2.	2.091	3.	1.	0.691	0.831	1.	1.	3.	3.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/79-08/06/84	11	19.	21.364	45.	6.	136.255	11.673	7.	13.	26.	43.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/21/79-08/06/84	10	6.	6.9	14.	2.	16.1	4.012	2.1	3.	11.	13.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/21/79-08/06/84	11	15.	14.727	34.	2.	96.818	9.84	2.4	7.	20.	32.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	11 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	11 ##	0.005	0.01	0.04	0.005	0.	0.012	0.005	0.005	0.005	0.038
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	11 ##	0.025	0.037	0.09	0.025	0.001	0.023	0.025	0.025	0.05	0.086
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	11	0.02	0.017	0.03	0.005	0.	0.01	0.005	0.005	0.03	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-08/06/84	11	6.	5.455	7.	4.	0.873	0.934	4.	5.	6.	6.8

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Annual Analysis for 1983 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	11	14.	15.582	27.9	4.	75.644	8.697	4.	10.5	26.	27.82
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/06/84	11	28205.	29115.091	34524.	22200.	17350276.091	4165.366	22610.6	26200.	32700.	34339.2
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	11	8.8	9.391	12.7	6.1	4.693	2.166	6.28	7.7	11.3	12.52
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-08/06/84	11	2.	1.773	3.	0.5	0.868	0.932	0.6	1.	3.	3.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/79-08/06/84	10	22.	22.3	51.	8.	140.9	11.87	8.4	14.25	26.25	48.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/21/79-08/06/84	10	6.5	8.2	18.	5.	18.622	4.315	5.	5.75	9.5	17.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/21/79-08/06/84	10	12.5	14.1	33.	3.	75.211	8.672	3.4	7.75	18.5	31.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	11 ##	0.05	0.073	0.2	0.05	0.002	0.047	0.05	0.05	0.1	0.18
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	11 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.018
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	11 ##	0.025	0.039	0.1	0.025	0.001	0.027	0.025	0.025	0.05	0.096
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	11	0.01	0.013	0.03	0.005	0.	0.009	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-08/06/84	11	5.	5.636	9.	3.	4.255	2.063	3.2	4.	8.	8.8

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Annual Analysis for 1984 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	8	16.6	15.413	26.1	1.5	96.57	9.827	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/79-08/06/84	8	21800.	19953.75	27900.	8310.	38416769.643	6198.126	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	8	9.8	9.713	13.6	5.9	10.401	3.225	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/79-08/06/84	8	2.	3.5	14.	1.	18.857	4.342	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/79-08/06/84	8	28.5	29.375	48.	7.	158.839	12.603	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/21/79-08/06/84	8	8.	9.375	19.	2.	37.696	6.14	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/21/79-08/06/84	8	23.	20.	34.	1.	141.143	11.88	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	8 ##	0.05	0.063	0.1	0.05	0.001	0.023	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	8 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	8 ##	0.025	0.047	0.12	0.025	0.001	0.035	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/21/79-08/06/84	8	0.01	0.011	0.03	0.005	0.	0.008	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/21/79-08/06/84	8	7.	8.125	18.	6.	16.411	4.051	**	**	**	**

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	23	25.	22.983	29.	8.	34.439	5.868	10.	22.2	26.1	27.86
00023	SAMPLE WEIGHT IN POUNDS	07/17/79-08/13/87	20	0.295	0.407	1.86	0.1	0.157	0.396	0.1	0.2	0.46	0.83
00024	SAMPLE LENGTH IN INCHES	07/17/79-08/13/87	18	8.98	9.522	18.44	6.29	8.343	2.888	7.19	7.745	10.038	14.255
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	23	6.7	6.952	12.6	4.2	2.548	1.596	5.6	6.	7.7	8.46
00400	PH (STANDARD UNITS)	03/01/76-08/06/84	21	7.9	8.083	9.	7.2	0.446	0.668	7.252	7.5	8.75	9.
00400	CONVERTED PH (STANDARD UNITS)	03/01/76-08/06/84	21	7.9	7.718	9.	7.2	0.586	0.765	7.252	7.5	8.75	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-08/06/84	21	0.013	0.019	0.063	0.001	0.	0.02	0.001	0.002	0.032	0.056
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	22 ##	0.05	0.059	0.2	0.05	0.001	0.033	0.05	0.05	0.05	0.085
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	23 ##	0.005	0.024	0.15	0.005	0.001	0.038	0.005	0.005	0.03	0.094
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	15 ##	0.025	0.028	0.06	0.01	0.	0.012	0.019	0.025	0.025	0.054
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	07/17/79-08/13/87	20 ##	0.25	0.283	0.5	0.005	0.041	0.202	0.005	0.05	0.5	0.5
34685	ENDRIN WET WGTTISMG/KG	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
39515	PCBS (MG/KG) FISH TISSUE MG/KG	07/17/79-08/13/87	20 ##	0.25	0.283	0.5	0.005	0.041	0.202	0.005	0.05	0.5	0.5
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/17/79-08/13/87	20 ##	0.04	0.039	0.08	0.01	0.	0.021	0.01	0.02	0.05	0.078
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/17/79-08/13/87	20	5.	5.25	8.	5.	0.618	0.786	5.	5.	5.	6.8
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	07/17/79-08/13/87	20 ##	0.25	0.216	0.5	0.005	0.037	0.193	0.005	0.05	0.438	0.5

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	25	9.	8.468	19.5	0.	25.574	5.057	1.8	4.2	12.	16.
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	25	11.4	11.088	14.2	7.9	3.068	1.752	8.4	9.6	12.55	13.36
00400	PH (STANDARD UNITS)	03/01/76-08/06/84	23	7.8	7.987	9.5	7.	0.377	0.614	7.35	7.6	8.2	9.
00400	CONVERTED PH (STANDARD UNITS)	03/01/76-08/06/84	23	7.8	7.702	9.5	7.	0.462	0.68	7.35	7.6	8.2	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-08/06/84	23	0.016	0.02	0.1	0.	0.	0.022	0.001	0.006	0.025	0.046
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	24 ##	0.05	0.063	0.2	0.05	0.001	0.034	0.05	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	25 ##	0.005	0.012	0.07	0.005	0.	0.016	0.005	0.005	0.01	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	24	0.07	0.076	0.46	0.025	0.008	0.088	0.025	0.025	0.087	0.115

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/01/76-08/06/84	30	14.	14.917	27.	4.5	48.475	6.962	5.55	9.15	20.5	25.9
00300	OXYGEN, DISSOLVED MG/L	03/01/76-08/06/84	31	8.8	9.052	13.4	5.6	5.351	2.313	6.32	7.	11.2	11.8
00400	PH (STANDARD UNITS)	03/01/76-08/06/84	26	8.5	8.487	9.75	7.5	0.391	0.625	7.57	7.95	9.	9.
00400	CONVERTED PH (STANDARD UNITS)	03/01/76-08/06/84	26	8.5	8.098	9.75	7.5	0.549	0.741	7.57	7.95	9.	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/01/76-08/06/84	26	0.003	0.008	0.032	0.	0.	0.01	0.001	0.001	0.011	0.027
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/01/76-08/06/84	29 ##	0.05	0.059	0.1	0.05	0.	0.019	0.05	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/01/76-08/06/84	30 ##	0.005	0.006	0.025	0.005	0.	0.004	0.005	0.005	0.005	0.005
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/76-08/06/84	21 ##	0.025	0.03	0.06	0.005	0.	0.013	0.025	0.025	0.025	0.058

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

Station Inventory for Station: COLO0140

NPS Station ID: COLO0140
LAT/LON: 37.243338/ -76.506671
Agency: 21VASWCB
Date Created: 05/09/81
Location: YORK RIVER AT COLEMAN BRIDGE
FIPS State/County: 51073 VIRGINIA/GLOUCESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQE4498 /X366525 /Y4122675
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK,YORK RIVERS-VIRGINIA COAST
ECO Region:
RF1 Index: 02080107002
RF1 Mile Point: 6.560
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107000802.79
RF3 Mile Point: 2.78
Distance from RF3: 1.03
On/Off RF3:
Description:
VA SWCB CORE NETWORK STATION 35

Parameter Inventory for Station: COLO0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71918	ARSENIC,TOTAL IN FISH,DRY WEIGHT BASIS	07/17/79-07/16/80	8	0.445	0.941	2.3	0.06	1.006	1.003	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/17/79-07/16/80	8	0.02	0.026	0.05	0.02	0.	0.012	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/17/79-07/16/80	8	1.115	1.991	5.29	1.	2.504	1.582	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/17/79-07/16/80	8	3.55	7.283	18.8	2.03	46.41	6.812	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/17/79-07/16/80	8	0.995	1.135	2.13	0.6	0.299	0.546	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/17/79-07/16/80	8	0.1	0.275	1.4	0.06	0.21	0.459	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/17/79-07/16/80	8	5.	5.	5.	5.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: COLO0141

NPS Station ID: COLO0141 LAT/LON: 37.243615/ -76.518059 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0513
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 7.060 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107027900.65 RF3 Mile Point: 1.26 Distance from RF3: 0.09 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/72-07/16/72	3	25.3	25.2	25.3	25.	0.03	0.173	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	07/14/72-07/16/72	3	11.9	11.367	11.9	10.3	0.853	0.924	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	65	4.	11.877	240.	1.5	912.641	30.21	1.5	2.25	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	65	0.602	0.729	2.38	0.176	0.222	0.471	0.176	0.327	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.359								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	43.277	1100.	1.5	34049.295	184.525	1.5	1.5	23.	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.781	3.041	0.176	0.495	0.703	0.176	0.176	1.362	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.04								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	100	0.	0.099	1.37	0.	0.058	0.241	0.	0.	0.03	0.336
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	100	0.545	0.918	4.7	0.	1.131	1.064	0.	0.163	1.34	2.128

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

EPA Water Quality Criteria Analysis for Station: COLO0141

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	65	1	0.02	20	1	0.05	24	0	0.00	21	0	0.00			

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

Annual Analysis for 1969 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	7	4.	14.357	39.	1.5	288.393	16.982	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	7	0.602	0.874	1.591	0.176	0.291	0.539	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.483								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	7	1.62	1.447	1.7	0.4	0.215	0.463	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	4.	3.7	7.	1.5	2.4	1.549	1.5	2.625	4.	6.7
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	0.602	0.529	0.845	0.176	0.043	0.206	0.176	0.402	0.602	0.821
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.378								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

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

Annual Analysis for 1974 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	13	4.	29.538	240.	1.5	4136.561	64.316	1.5	3.5	23.	159.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	13	0.602	0.957	2.38	0.176	0.409	0.64	0.176	0.54	1.362	2.065
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.056								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

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

Annual Analysis for 1975 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	4.	7.	23.	1.5	51.889	7.203	1.5	1.5	10.5	22.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	10	0.602	0.635	1.362	0.176	0.208	0.456	0.176	0.176	1.01	1.343
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.32								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

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

Annual Analysis for 1976 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	4 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.13	0.15	0.34	0.	0.02	0.143	**	**	**	**

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

Annual Analysis for 1977 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	4 ##	2.75	7.5	23.	1.5	108.167	10.4	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	4 ##	0.389	0.579	1.362	0.176	0.313	0.559	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.793								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.15	0.967	3.57	0.	3.028	1.74	**	**	**	**

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

Annual Analysis for 1978 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	9	4.	7.389	23.	1.5	42.486	6.518	1.5	3.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	9	0.602	0.743	1.362	0.176	0.121	0.348	0.176	0.54	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.529								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.039	0.14	0.	0.004	0.059	0.	0.	0.105	0.14
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.52	1.319	4.57	0.	3.077	1.754	0.	0.215	2.555	4.57

** - 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 1979 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	7	9.	10.571	15.	4.	19.952	4.467	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	7	0.954	0.983	1.176	0.602	0.046	0.215	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.625								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.075	0.62	0.	0.035	0.188	0.	0.	0.008	0.515
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

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

Annual Analysis for 1981 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

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

Annual Analysis for 1982 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.47	0.555	1.28	0.	0.186	0.432	0.004	0.19	0.93	1.236

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	20	4.	19.8	240.	1.5	2768.958	52.621	1.5	4.	12.75	37.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	20	0.602	0.802	2.38	0.176	0.297	0.545	0.176	0.602	1.098	1.568
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.338								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.	0.135	0.82	0.	0.065	0.254	0.	0.	0.185	0.67
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.72	1.308	4.7	0.	2.271	1.507	0.	0.08	1.77	4.57

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	24	4.	11.063	39.	1.5	130.811	11.437	1.5	4.	21.	31.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	24	0.602	0.83	1.591	0.176	0.195	0.442	0.176	0.602	1.315	1.476
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.758								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	37	0.	0.043	0.7	0.	0.017	0.131	0.	0.	0.	0.178
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	37	0.52	0.737	2.5	0.	0.492	0.702	0.	0.145	1.3	1.754

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	21	3.	5.262	23.	1.5	29.99	5.476	1.5	1.5	8.	13.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-10/17/79	21	0.477	0.545	1.362	0.176	0.15	0.387	0.176	0.176	0.9	1.132
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.504								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	34	0.	0.131	1.37	0.	0.094	0.307	0.	0.	0.105	0.575
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	34	0.49	0.78	4.15	0.	0.739	0.86	0.	0.29	1.063	1.81

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

Station Inventory for Station: COLO0142

NPS Station ID: COLO0142 LAT/LON: 37.243615/ -76.522227 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05113
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.210 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-11/29/77	22	4.	8.045	43.	1.5	113.831	10.669	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-11/29/77	22	0.602	0.618	1.633	0.176	0.24	0.49	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.149								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-11/29/77	21	0.	0.079	0.76	0.	0.038	0.195	0.	0.	0.025	0.408
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-11/29/77	21	0.58	0.923	3.57	0.	1.239	1.113	0.	0.005	1.65	3.176

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

EPA Water Quality Criteria Analysis for Station: COLO0142

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	22	0	0.00	9	0	0.00	4	0	0.00	9	0	0.00			

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

Station Inventory for Station: COLO0143

NPS Station ID: COLO0143 LAT/LON: 37.244171/ -76.525559 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05114Z
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.750 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.27 RF3 Mile Point: 2.26 Distance from RF3: 0.10 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	5	4.	11.9	43.	1.5	306.05	17.494	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	5	0.602	0.772	1.633	0.176	0.29	0.539	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.912								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	5	0.	0.162	0.76	0.	0.112	0.335	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	5	0.29	1.46	3.57	0.	3.484	1.867	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0143

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	0	0.00	5	0	0.00									

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

Station Inventory for Station: COLO0144

NPS Station ID: COLO0144 LAT/LON: 37.244448/ -76.521948 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0519
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.210 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.27 RF3 Mile Point: 2.26 Distance from RF3: 0.18 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	46	4.	13.326	240.	1.5	1260.858	35.509	1.5	1.5	9.	24.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	46	0.602	0.732	2.38	0.176	0.249	0.499	0.176	0.176	0.954	1.392
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.397								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	46	0.	0.119	1.37	0.	0.079	0.282	0.	0.	0.055	0.637
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	46	0.56	0.903	4.7	0.	1.043	1.021	0.	0.16	1.345	2.116

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

EPA Water Quality Criteria Analysis for Station: COLO0144

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	46	1	0.02	14	0	0.00	19	1	0.05	13	0	0.00			

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	14	4.	9.714	43.	1.5	146.912	12.121	1.5	1.5	10.5	36.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	14	0.602	0.732	1.633	0.176	0.23	0.48	0.176	0.176	1.01	1.548
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.394								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	14	0.	0.162	0.82	0.	0.097	0.311	0.	0.	0.19	0.79
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	14	1.005	1.481	4.7	0.	2.203	1.484	0.	0.253	2.44	4.135

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	19	9.	21.368	240.	1.5	2898.19	53.835	1.5	4.	9.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	19	0.954	0.86	2.38	0.176	0.303	0.551	0.176	0.602	0.954	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.248								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	19	0.	0.062	0.7	0.	0.029	0.171	0.	0.	0.02	0.3
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	19	0.58	0.725	1.7	0.	0.373	0.611	0.	0.16	1.34	1.59

** - 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 box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	13	4.	5.462	23.	1.5	37.144	6.095	1.5	1.5	9.	17.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	13	0.602	0.545	1.362	0.176	0.166	0.408	0.176	0.176	0.954	1.199
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.509								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	13	0.	0.158	1.37	0.	0.14	0.374	0.	0.	0.175	0.914
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	13	0.31	0.542	2.13	0.	0.384	0.62	0.	0.145	0.805	1.814

** - 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

Station Inventory for Station: COLO0145

NPS Station ID: COLO0145 LAT/LON: 37.245281/ -76.501392 Agency: 21VASWCB Date Created: 12/04/82
Location: SARAH CREEK AND PERRIN RIVER NUMBERED STATION FIPS State/County: 51073 VIRGINIA/GLOUCESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0461A
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK-YORK RIVERS VIRGINIA COAST ECO Region:
RF1 Index: 02080107003 RF1 Mile Point: 6.890 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.03 RF3 Mile Point: 2.02 Distance from RF3: 0.28 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/13/72-06/09/76	34	13.95	15.668	28.9	3.6	71.328	8.446	4.7	8.	24.625	27.45
00480	SALINITY - PARTS PER THOUSAND	07/17/73-06/09/76	33	19.8	20.118	26.5	14.6	6.005	2.45	16.96	18.45	21.85	23.26
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	81	4.	17.809	460.	1.5	3339.054	57.785	1.5	1.5	9.	35.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	81	0.602	0.69	2.663	0.176	0.33	0.575	0.176	0.176	0.954	1.545
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.902								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	37	3.6	5.235	23.	1.5	28.142	5.305	1.5	1.5	9.1	9.48
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	37	0.556	0.551	1.362	0.176	0.139	0.373	0.176	0.176	0.959	0.976
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.56								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/26/81-05/26/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/26/81-05/26/81	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.5								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	118	0.	0.079	1.34	0.	0.053	0.23	0.	0.	0.005	0.207
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	118	0.635	0.886	7.18	0.	0.996	0.998	0.	0.18	1.313	1.995

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

EPA Water Quality Criteria Analysis for Station: COLO0145

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	81	2	0.02	22	0	0.00	32	1	0.03	27	1	0.04			

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

Annual Analysis for 1969 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	1	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1972 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	4	4.	13.125	43.	1.5	398.063	19.952	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	4	0.602	0.753	1.633	0.176	0.385	0.62	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.668								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	12 ##	1.5	6.792	39.	1.5	120.112	10.96	1.5	1.5	7.75	31.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	12 ##	0.176	0.513	1.591	0.176	0.237	0.487	0.176	0.176	0.866	1.467
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.26								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	11	0.	0.131	1.21	0.	0.131	0.362	0.	0.	0.05	1.004
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	11	0.52	0.645	1.46	0.	0.246	0.496	0.046	0.32	1.28	1.434

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

Annual Analysis for 1974 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	11	4.	4.318	9.	1.5	9.814	3.133	1.5	1.5	7.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	11	0.602	0.517	0.954	0.176	0.119	0.345	0.176	0.176	0.845	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.286								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	11	0.	0.122	1.34	0.	0.163	0.404	0.	0.	0.	1.072
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	11	0.67	0.825	1.89	0.	0.332	0.576	0.036	0.46	1.34	1.808

** - Less than 9 observations ## - Computed with 50% or 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 COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	11	4.	7.409	23.	1.5	69.941	8.363	1.5	1.5	11.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	11	0.602	0.619	1.362	0.176	0.238	0.487	0.176	0.176	1.041	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.154								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	11	0.	0.22	1.	0.	0.136	0.369	0.	0.	0.46	0.964
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	11	1.01	1.107	2.63	0.	0.807	0.898	0.024	0.31	1.93	2.552

** - Less than 9 observations ## - Computed with 50% or 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 COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	10 ##	1.5	9.6	75.	1.5	529.433	23.009	1.5	1.5	4.	67.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	10 ##	0.176	0.474	1.875	0.176	0.283	0.532	0.176	0.176	0.602	1.748
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.977								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	10	0.	0.03	0.27	0.	0.007	0.085	0.	0.	0.008	0.246
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	10	0.35	0.548	1.25	0.	0.184	0.429	0.016	0.243	1.03	1.228

** - Less than 9 observations ## - Computed with 50% or 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 COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	12 ##	8.25	49.333	460.	1.5	16885.561	129.944	1.5	1.5	23.	333.7
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	12 ##	0.676	0.881	2.663	0.176	0.676	0.822	0.176	0.176	1.362	2.341
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.603								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	12	4.	14.708	75.	1.5	487.566	22.081	2.25	4.	13.5	65.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	12	0.602	0.865	1.875	0.176	0.238	0.487	0.304	0.602	1.121	1.803
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.33								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	7	9.	41.5	240.	1.5	7711.583	87.816	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	7	0.954	1.004	2.38	0.176	0.506	0.711	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.101								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.032	0.2	0.	0.005	0.074	0.	0.	0.	0.194
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.315	0.451	1.67	0.	0.242	0.491	0.	0.068	0.78	1.415

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

Annual Analysis for 1981 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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

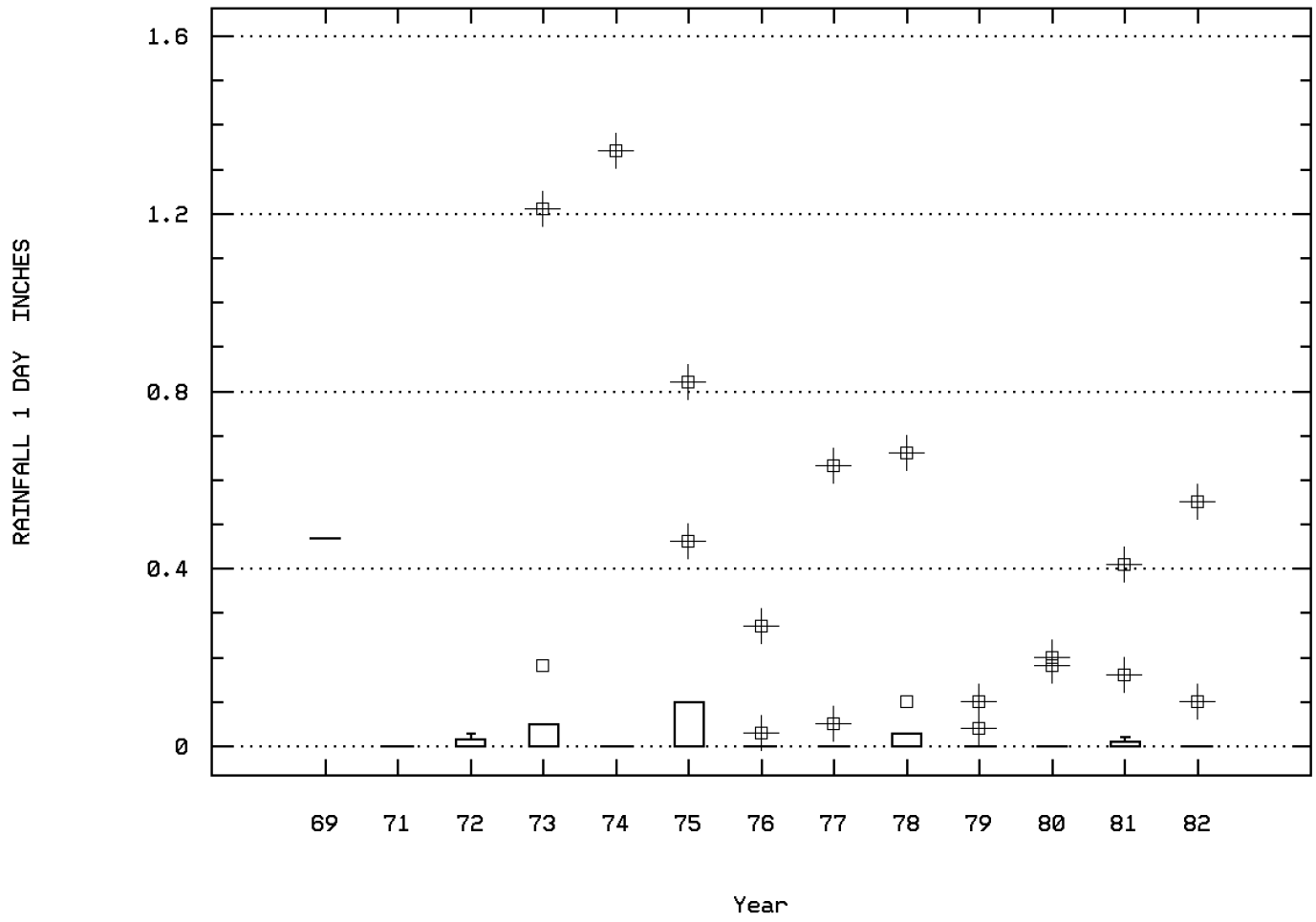
Annual Analysis for 1982 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.054	0.55	0.	0.025	0.159	0.	0.	0.	0.415
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.815	0.901	1.77	0.	0.324	0.569	0.012	0.503	1.318	1.716

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

Station: COL00145 Parameter Code: 82553

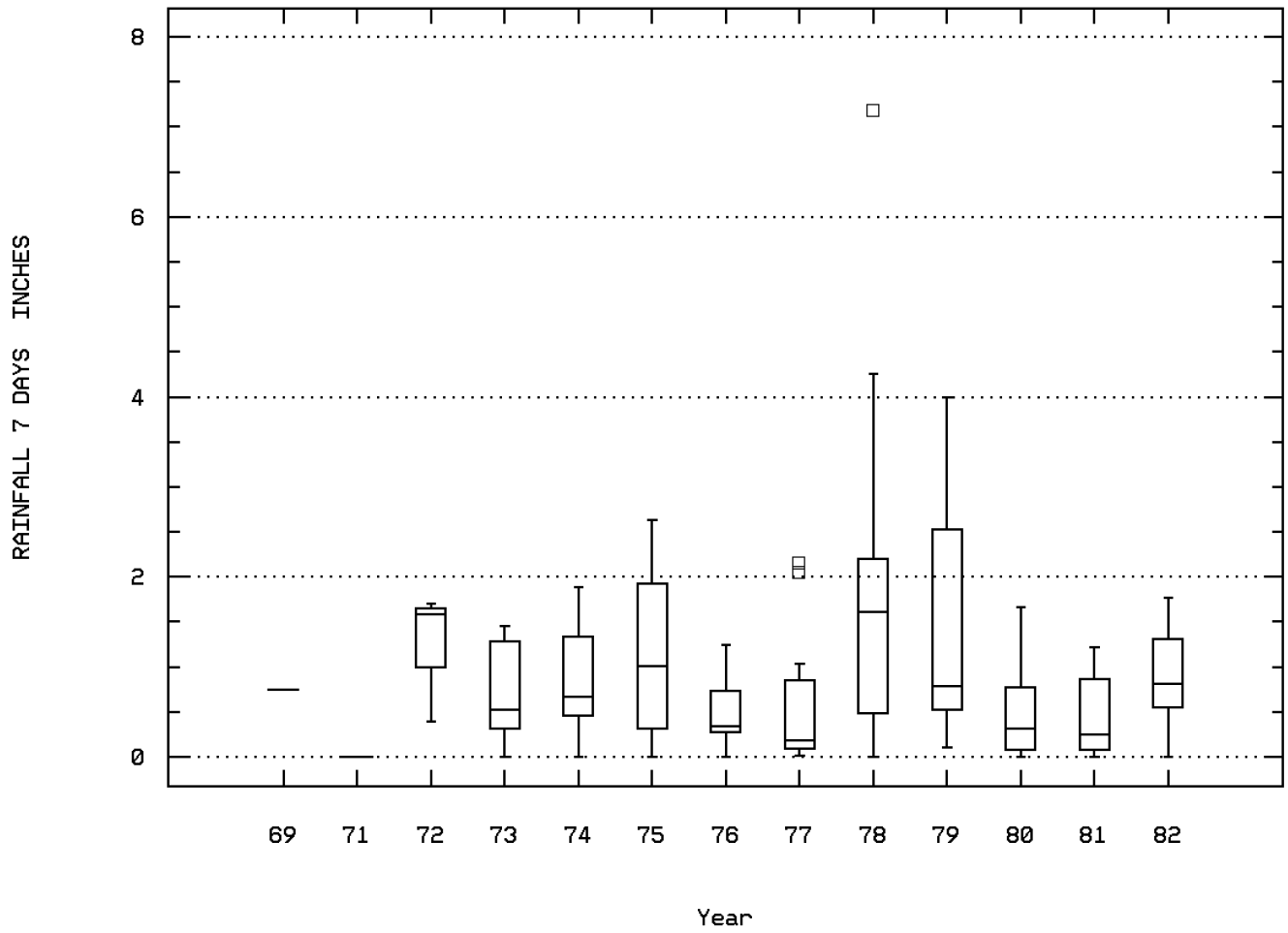
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



SARAH CREEK AND PERRIN RIVER NUMBERED S

Station: COLO0145 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



SARAH CREEK AND PERRIN RIVER NUMBERED S

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	22	4.	8.114	39.	1.5	103.379	10.168	1.5	1.5	12.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	22	0.602	0.633	1.591	0.176	0.233	0.483	0.176	0.176	1.075	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.3								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	34	0.	0.079	1.21	0.	0.055	0.236	0.	0.	0.033	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	34	0.5	0.847	7.18	0.	1.722	1.312	0.	0.098	1.288	2.035

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	32	4.	19.813	460.	1.5	6510.948	80.69	1.5	1.5	9.	13.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	32	0.602	0.607	2.663	0.176	0.292	0.54	0.176	0.176	0.954	1.11
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.049								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	45	0.	0.113	1.34	0.	0.08	0.283	0.	0.	0.03	0.528
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	45	0.63	0.82	4.	0.	0.632	0.795	0.036	0.22	1.305	1.728

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	27	4.	23.333	240.	1.5	2311.288	48.076	1.5	1.5	23.	75.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	27	0.602	0.835	2.38	0.176	0.447	0.668	0.176	0.176	1.362	1.875
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.841								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	39	0.	0.039	0.82	0.	0.019	0.137	0.	0.	0.	0.16
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	39	0.79	0.995	4.26	0.	0.82	0.906	0.	0.34	1.59	2.24

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

Station Inventory for Station: COLO0146

NPS Station ID: COLO0146 LAT/LON: 37.245281/ -76.520559 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0514
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 7.310 Distance from RF1: 6.40 On/Off RF1: OFF
RF3 Index: 02080107028000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	41	4.	6.28	23.	1.5	48.138	6.938	1.5	1.5	8.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	41	0.602	0.596	1.362	0.176	0.164	0.405	0.176	0.176	0.9	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.945								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	34	3.6	44.735	1100.	1.5	35188.259	187.585	1.5	1.5	15.	59.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	34	0.556	0.795	3.041	0.176	0.455	0.674	0.176	0.176	1.176	1.754
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.244								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	74	0.	0.096	1.01	0.	0.051	0.226	0.	0.	0.02	0.39
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	74	0.565	0.921	4.67	0.	1.207	1.099	0.	0.03	1.298	2.41

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

EPA Water Quality Criteria Analysis for Station: COLO0146

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	41	0	0.00	12	0	0.00	12	0	0.00	17	0	0.00			

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

Annual Analysis for 1969 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1976 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	8	0.	0.06	0.42	0.	0.022	0.147	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	8	0.885	0.991	2.16	0.	0.659	0.812	**	**	**	**

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

Annual Analysis for 1977 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.36	0.	0.01	0.1	0.	0.	0.	0.236
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.18	0.678	3.57	0.	1.091	1.045	0.	0.	1.125	2.83

** - 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

Annual Analysis for 1978 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.354	4.57	0.	2.748	1.658	0.	0.323	2.29	4.528

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

Annual Analysis for 1979 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.075	0.62	0.	0.035	0.188	0.	0.	0.008	0.515
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

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

Annual Analysis for 1981 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

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

Annual Analysis for 1982 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.47	0.555	1.28	0.	0.186	0.432	0.004	0.19	0.93	1.236

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	4.	4.125	15.	1.5	14.642	3.826	1.5	1.5	4.	12.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.602	0.493	1.176	0.176	0.105	0.324	0.176	0.176	0.602	1.077
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.109								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.	0.12	0.76	0.	0.05	0.223	0.	0.	0.185	0.604
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.4	1.206	4.67	0.	2.429	1.558	0.	0.02	1.765	4.37

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	5.5	7.75	23.	1.5	60.295	7.765	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.724	0.685	1.362	0.176	0.204	0.452	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.837								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	24	0.	0.06	1.01	0.	0.044	0.211	0.	0.	0.	0.205
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	24	0.565	0.753	2.5	0.	0.543	0.737	0.	0.14	1.028	2.145

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	17	4.	6.765	23.	1.5	63.472	7.967	1.5	1.5	6.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	17	0.602	0.606	1.362	0.176	0.184	0.429	0.176	0.176	0.778	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.041								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.	0.109	1.	0.	0.059	0.243	0.	0.	0.05	0.53
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.68	0.854	4.15	0.	0.876	0.936	0.	0.105	1.275	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

Station Inventory for Station: COLO0147

NPS Station ID: COLO0147 LAT/LON: 37.245281/ -76.523616 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0518
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.750 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.27 RF3 Mile Point: 2.26 Distance from RF3: 0.17 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	5	4.	4.6	9.	1.5	11.175	3.343	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	5	0.602	0.551	0.954	0.176	0.133	0.365	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.554								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	5	0.	0.162	0.76	0.	0.112	0.335	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	5	0.29	1.46	3.57	0.	3.484	1.867	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0147

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	5	0	0.00	5	0	0.00									

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

Station Inventory for Station: COLO0148

NPS Station ID: COLO0148 LAT/LON: 37.245837/ -76.525837 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05114
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 8.750 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	07/13/77-07/13/77	1	20.9	20.9	20.9	20.9	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	24	4.	11.771	43.	1.5	196.369	14.013	1.5	1.5	21.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	24	0.602	0.774	1.633	0.176	0.275	0.524	0.176	0.176	1.315	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.948								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	33	3.6	12.118	43.	1.5	231.301	15.209	1.5	1.5	23.	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	33	0.556	0.717	1.633	0.176	0.335	0.578	0.176	0.176	1.362	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.21								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	57	0.	0.11	1.01	0.	0.061	0.247	0.	0.	0.075	0.548
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	57	0.68	0.998	4.67	0.	1.381	1.175	0.	0.18	1.275	2.878

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

EPA Water Quality Criteria Analysis for Station: COLO0148

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	24	0	0.00	8	0	0.00	8	0	0.00	8	0	0.00			

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

Annual Analysis for 1969 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1977 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.	0.01	0.05	0.	0.001	0.022	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.29	0.932	3.57	0.	2.278	1.509	**	**	**	**

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

Annual Analysis for 1978 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.354	4.57	0.	2.748	1.658	0.	0.323	2.29	4.528

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

Annual Analysis for 1979 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.082	0.62	0.	0.038	0.196	0.	0.	0.01	0.55
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.29	0.775	2.32	0.	0.777	0.881	0.002	0.02	1.7	2.25

** - 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 1981 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

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

Annual Analysis for 1982 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	17	0.	0.145	0.76	0.	0.059	0.243	0.	0.	0.265	0.688
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	17	0.4	1.272	4.67	0.	2.841	1.685	0.	0.015	2.565	4.59

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	19	0.	0.075	1.01	0.	0.056	0.236	0.	0.	0.	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	19	0.55	0.831	2.5	0.	0.633	0.796	0.	0.13	1.38	2.32

** - 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 #3: 3/01 to 6/30 - Station COLO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.	0.114	1.	0.	0.071	0.267	0.	0.	0.05	0.602
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	21	0.77	0.928	4.15	0.	0.93	0.964	0.014	0.345	1.165	2.49

** - 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

Station Inventory for Station: COLO0149

NPS Station ID: COLO0149 LAT/LON: 37.246115/ -76.523893 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0515
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 7.460 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.79 RF3 Mile Point: 2.78 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	66	4.	6.136	43.	1.5	54.358	7.373	1.5	1.5	9.	16.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	66	0.602	0.584	1.633	0.176	0.161	0.402	0.176	0.176	0.954	1.22
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.833								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	33	3.6	8.097	93.	1.5	270.654	16.452	1.5	1.5	8.2	21.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	33	0.556	0.572	1.968	0.176	0.221	0.47	0.176	0.176	0.911	1.337
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.73								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	99	0.	0.101	1.37	0.	0.058	0.242	0.	0.	0.03	0.34
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	99	0.55	0.928	4.7	0.	1.138	1.067	0.	0.16	1.34	2.13

** - 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: COLO0149

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	66	0	0.00	20	0	0.00	25	0	0.00	21	0	0.00			

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

Annual Analysis for 1969 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	4.	5.071	9.	1.5	8.036	2.835	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	0.602	0.642	0.954	0.176	0.07	0.264	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.384								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	7	0.	0.004	0.03	0.	0.	0.011	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	7	1.62	1.447	1.7	0.4	0.215	0.463	**	**	**	**

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

Annual Analysis for 1973 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	4.	5.85	23.	1.5	42.281	6.502	1.5	1.5	7.5	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.602	0.597	1.362	0.176	0.147	0.383	0.176	0.176	0.872	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.956								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

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

Annual Analysis for 1974 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13 ##	1.5	3.192	9.	1.5	5.856	2.42	1.5	1.5	4.	8.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13 ##	0.176	0.409	0.954	0.176	0.082	0.286	0.176	0.176	0.602	0.911
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.564								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

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

Annual Analysis for 1975 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	6.5	6.9	23.	1.5	44.656	6.682	1.5	1.5	9.	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.778	0.649	1.362	0.176	0.197	0.444	0.176	0.176	0.954	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.452								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

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

Annual Analysis for 1976 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4 ##	2.75	2.75	4.	1.5	2.083	1.443	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4 ##	0.389	0.389	0.602	0.176	0.06	0.246	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.13	0.15	0.34	0.	0.02	0.143	**	**	**	**

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

Annual Analysis for 1977 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4 ##	4.25	4.75	9.	1.5	14.75	3.841	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4 ##	0.511	0.538	0.954	0.176	0.177	0.42	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.45								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.15	0.967	3.57	0.	3.028	1.74	**	**	**	**

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

Annual Analysis for 1978 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	9 ##	1.5	8.833	43.	1.5	203.875	14.278	1.5	1.5	12.5	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	9 ##	0.176	0.56	1.633	0.176	0.309	0.556	0.176	0.176	0.962	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.631								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.039	0.14	0.	0.004	0.059	0.	0.	0.105	0.14
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.52	1.319	4.57	0.	3.077	1.754	0.	0.215	2.555	4.57

** - 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 1979 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	9.	11.786	23.	1.5	76.488	8.746	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	0.954	0.925	1.362	0.176	0.186	0.431	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.42								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

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

Annual Analysis for 1980 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.845	0.845	0.845	0.845	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.075	0.62	0.	0.035	0.188	0.	0.	0.008	0.515
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

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

Annual Analysis for 1981 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.047	0.26	0.	0.009	0.096	0.	0.	0.08	0.26
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.4	0.442	1.38	0.	0.191	0.437	0.	0.065	0.67	1.38

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

Annual Analysis for 1982 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	20	4.	6.15	23.	1.5	42.029	6.483	1.5	1.5	9.	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	20	0.602	0.596	1.362	0.176	0.17	0.413	0.176	0.176	0.954	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.946								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.	0.135	0.82	0.	0.065	0.254	0.	0.	0.185	0.67
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.8	1.343	4.7	0.	2.226	1.492	0.	0.08	1.77	4.57

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	25	4.	4.88	23.	1.5	20.61	4.54	1.5	1.5	7.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	25	0.602	0.563	1.362	0.176	0.106	0.326	0.176	0.176	0.845	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.652								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	37	0.	0.043	0.7	0.	0.017	0.131	0.	0.	0.	0.178
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	37	0.52	0.737	2.5	0.	0.492	0.702	0.	0.145	1.3	1.754

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	21	4.	7.619	43.	1.5	107.723	10.379	1.5	1.5	9.	22.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	21	0.602	0.596	1.633	0.176	0.234	0.483	0.176	0.176	0.954	1.354
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.949								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	33	0.	0.135	1.37	0.	0.097	0.311	0.	0.	0.11	0.584
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	33	0.44	0.776	4.15	0.	0.762	0.873	0.	0.29	1.065	1.874

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

Station Inventory for Station: COLO0150

NPS Station ID: COLO0150
Location: 56F 19
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206179601.17
Description:

LAT/LON: 37.246393/ -76.776392

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 2.26

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371447076463501
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 13.80
Distance from RF3: 0.61

Date Created: 04/14/78

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/77-06/01/78	3	18.	19.667	24.	17.	14.333	3.786	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/19/77-06/01/78	3	3.	3.	6.	0.	9.	3.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/77-06/01/78	3	845.	873.333	975.	800.	8258.333	90.875	**	**	**	**
00400	PH (STANDARD UNITS)	08/19/77-06/01/78	3	7.8	7.8	8.2	7.4	0.16	0.4	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/19/77-06/01/78	3	7.8	7.685	8.2	7.4	0.18	0.424	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/77-06/01/78	3	0.016	0.021	0.04	0.006	0.	0.017	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/19/77-06/01/78	3	12.	13.667	25.	4.	112.333	10.599	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/19/77-06/01/78	3	330.	350.	390.	330.	1200.	34.641	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/19/77-06/01/78	3	400.	423.333	470.	400.	1633.333	40.415	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/19/77-06/01/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-06/01/78	3 ##	0.005	0.02	0.049	0.005	0.001	0.025	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/19/77-06/01/78	3	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/19/77-06/01/78	3	0.01	0.027	0.06	0.01	0.001	0.029	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/19/77-06/01/78	3	0.61	0.61	0.67	0.55	0.004	0.06	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/19/77-06/01/78	3	0.2	0.2	0.22	0.18	0.	0.02	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/21/77-06/01/78	2	4.45	4.45	6.	2.9	4.805	2.192	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/21/77-12/21/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/21/77-06/01/78	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/01/78-06/01/78	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/19/77-06/01/78	3	7.	6.667	7.	6.	0.333	0.577	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/19/77-06/01/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/19/77-06/01/78	3	1.9	1.833	1.9	1.7	0.013	0.115	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/19/77-06/01/78	3	0.6	0.567	0.6	0.5	0.003	0.058	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/19/77-06/01/78	3	190.	190.	200.	180.	100.	10.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/19/77-06/01/78	3	31.	31.333	32.	31.	0.333	0.577	**	**	**	**
00932	SODIUM, PERCENT	08/19/77-06/01/78	3	96.	96.	96.	96.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/19/77-06/01/78	3	8.	7.733	8.2	7.	0.413	0.643	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/19/77-06/01/78	3	60.	58.667	61.	55.	10.333	3.215	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/19/77-06/01/78	3	11.	10.333	11.	9.	1.333	1.155	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/19/77-06/01/78	3	2.5	2.5	2.7	2.3	0.04	0.2	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/77-06/01/78	3	18.	17.667	19.	16.	2.333	1.528	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/19/77-06/01/78	3	20.	21.667	40.	5.	308.333	17.559	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/19/77-06/01/78	3	495.	477.333	501.	436.	1290.333	35.921	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/19/77-06/01/78	3	501.	498.667	504.	491.	46.333	6.807	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/19/77-06/01/78	3	0.67	0.647	0.68	0.59	0.002	0.049	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/19/77-06/01/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/19/77-06/01/78	3	0.	0.053	0.16	0.	0.009	0.092	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/19/77-08/19/77	1	390.	390.	390.	390.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-06/01/78	3	360.	360.	360.	360.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/19/77-06/01/78	3	390.	390.	390.	390.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: COLO0150

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: COLO0151

NPS Station ID: COLO0151 LAT/LON: 37.247226/ -76.496393 Agency: 21VASWCB Date Created: 12/04/82
Location: SARAH CREEK AND PERRIN RIVER NUMBERED STATION FIPS State/County: 51073 VIRGINIA/GLOUCESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0461B
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK-YORK RIVERS VIRGINIA COAST ECO Region:
RF1 Index: 02080107003 RF1 Mile Point: 6.640 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.03 RF3 Mile Point: 2.02 Distance from RF3: 0.15 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	41	4.	7.646	43.	1.5	124.378	11.152	1.5	1.5	9.	21.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	41	0.602	0.598	1.633	0.176	0.212	0.461	0.176	0.176	0.954	1.325
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.965								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	10/03/79-12/07/82	37 ##	1.5	5.376	39.	1.5	64.319	8.02	1.5	1.5	3.6	16.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	10/03/79-12/07/82	37 ##	0.176	0.465	1.591	0.176	0.18	0.424	0.176	0.176	0.556	1.213
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			2.917								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	78	0.	0.052	0.66	0.	0.02	0.141	0.	0.	0.005	0.182
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	78	0.55	0.881	7.18	0.	1.284	1.133	0.	0.153	1.288	2.141

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

EPA Water Quality Criteria Analysis for Station: COLO0151

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	41	0	0.00	13	0	0.00	12	0	0.00	16	0	0.00			

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

Annual Analysis for 1969 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**

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

Annual Analysis for 1971 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Annual Analysis for 1976 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	8	0.	0.038	0.27	0.	0.009	0.095	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	8	0.435	0.516	1.03	0.	0.149	0.386	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.061	0.63	0.	0.032	0.18	0.	0.	0.038	0.456
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.17	0.588	2.15	0.01	0.581	0.762	0.016	0.068	0.845	2.117

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

Annual Analysis for 1978 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.068	0.66	0.	0.036	0.189	0.	0.	0.03	0.492
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	1.615	1.948	7.18	0.	4.112	2.028	0.006	0.45	2.223	6.304

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

Annual Analysis for 1979 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	9	0.	0.016	0.1	0.	0.001	0.034	0.	0.	0.02	0.1
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	9	0.79	1.439	4.	0.1	1.733	1.317	0.1	0.47	2.575	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 1980 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.032	0.2	0.	0.005	0.074	0.	0.	0.	0.194
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.315	0.451	1.67	0.	0.242	0.491	0.	0.068	0.78	1.415

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

Annual Analysis for 1981 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.	0.049	0.41	0.	0.015	0.123	0.	0.	0.015	0.335
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	12	0.245	0.42	1.22	0.	0.184	0.429	0.	0.04	0.89	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 1982 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	11	0.	0.059	0.55	0.	0.027	0.166	0.	0.	0.	0.46
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	11	0.81	0.908	1.77	0.	0.356	0.597	0.008	0.46	1.32	1.734

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

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	13	4.	7.385	43.	1.5	128.673	11.343	1.5	1.5	6.5	31.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	13	0.602	0.612	1.633	0.176	0.188	0.434	0.176	0.176	0.778	1.451
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.092								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	25	0.	0.056	0.55	0.	0.021	0.144	0.	0.	0.015	0.308
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	25	0.31	0.755	7.18	0.	2.098	1.448	0.	0.035	0.865	1.648

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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	12	4.	8.208	43.	1.5	156.884	12.525	1.5	1.5	7.75	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	12	0.602	0.603	1.633	0.176	0.243	0.493	0.176	0.176	0.866	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.01								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	25	0.	0.086	0.66	0.	0.038	0.194	0.	0.	0.035	0.498
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	25	0.63	0.867	4.	0.	0.906	0.952	0.036	0.16	1.305	2.242

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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	16 ##	2.25	7.438	43.	1.5	113.329	10.646	1.5	1.5	9.	23.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	09/08/69-08/30/79	16 ##	0.327	0.584	1.633	0.176	0.237	0.487	0.176	0.176	0.954	1.313
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.833								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	28	0.	0.019	0.18	0.	0.002	0.048	0.	0.	0.	0.106
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	09/08/69-12/07/82	28	0.8	1.005	4.26	0.	0.963	0.981	0.	0.25	1.59	2.278

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

Station Inventory for Station: COLO0152

NPS Station ID: COLO0152
Location: LEE POND BELOW DISCHOOL
Station Type: /TYPA/IND/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER DISCHAGE TO
RF1 Index: 02080107004
RF3 Index: 02080107028002.98
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.247781/ -76.557781
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 10.270
RF3 Mile Point: 3.55

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK DIS 002
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.05

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

Parameter Inventory for Station: COLO0152

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

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

Station Inventory for Station: COLO0153

NPS Station ID: COLO0153
Location: NORTHEAST SIDE OF LEE POND
Station Type: /TYPA/IND/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER DISCHARGE TO
RF1 Index: 02080107004
RF3 Index: 02080107027900.27
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.248615/ -76.557504
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 10.270
RF3 Mile Point: 0.26

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK DIS 001
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.06

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

Parameter Inventory for Station: COLO0153

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0154

NPS Station ID: COLO0154
Location: LEE POND
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER SLUICEWAY OF
RF1 Index: 02080107
RF3 Index: 02080107028001.73
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.248615/ -76.572504
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 1.73

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK DIS 007
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 11.30
Distance from RF3: 0.08

Date Created: / /
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0154

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0155

NPS Station ID: COLO0155 LAT/LON: 37.248892/ -76.527781 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0517
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 9.390 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107020400.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	58	4.	5.897	75.	1.5	121.498	11.023	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	58	0.602	0.531	1.875	0.176	0.147	0.383	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.398								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	57	0.	0.12	1.37	0.	0.081	0.285	0.	0.	0.04	0.628
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	57	0.54	0.839	4.7	0.	0.943	0.971	0.	0.12	1.345	1.894

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0155

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	58	0	0.00	15	0	0.00	24	0	0.00	19	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	4	4.	6.75	15.	4.	30.25	5.5	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	4	0.602	0.746	1.176	0.602	0.082	0.287	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.566								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	10 ##	2.25	4.15	9.	1.5	11.892	3.448	1.5	1.5	9.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	10 ##	0.327	0.482	0.954	0.176	0.128	0.358	0.176	0.176	0.954	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.036								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	13	4.	8.885	75.	1.5	398.923	19.973	1.5	1.5	4.	48.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	13	0.602	0.563	1.875	0.176	0.219	0.468	0.176	0.176	0.602	1.507
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.658								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	10	4.	8.15	43.	1.5	157.503	12.55	1.5	1.5	9.	39.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	10	0.602	0.648	1.633	0.176	0.204	0.452	0.176	0.176	0.954	1.566
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.445								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	5 ##	1.5	2.	4.	1.5	1.25	1.118	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	5 ##	0.176	0.261	0.602	0.176	0.036	0.19	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.825								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	5	0.	0.004	0.02	0.	0.	0.009	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	5	0.16	0.246	0.63	0.	0.061	0.248	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	14	4.	3.643	9.	1.5	6.593	2.568	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	14	0.602	0.47	0.954	0.176	0.084	0.29	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.95								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	13	0.	0.032	0.36	0.	0.01	0.1	0.	0.	0.	0.236
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	13	0.18	0.678	3.57	0.	1.091	1.045	0.	0.	1.125	2.83

** - 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

Annual Analysis for 1978 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	1	1.146	1.146	1.146	1.146	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	1	1.01	1.01	1.01	1.01	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	1	1.67	1.67	1.67	1.67	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	15	4.	8.9	75.	1.5	341.936	18.492	1.5	1.5	9.	35.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	15	0.602	0.615	1.875	0.176	0.207	0.455	0.176	0.176	0.954	1.323
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.125								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	15	0.	0.151	0.82	0.	0.092	0.303	0.	0.	0.05	0.784
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	15	1.01	1.431	4.7	0.	2.185	1.478	0.	0.14	2.11	4.022

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	24	4.	6.25	43.	1.5	75.935	8.714	1.5	1.5	7.75	14.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	24	0.602	0.588	1.633	0.176	0.153	0.391	0.176	0.176	0.866	1.161
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.877								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	24	0.	0.091	1.01	0.	0.062	0.248	0.	0.	0.015	0.5
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	24	0.71	0.74	1.7	0.	0.355	0.596	0.	0.16	1.32	1.63

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	19 ##	1.5	3.079	9.	1.5	5.702	2.388	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/25/78	19 ##	0.176	0.393	0.954	0.176	0.078	0.28	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.469								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	18	0.	0.134	1.37	0.	0.106	0.326	0.	0.	0.148	0.461
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-01/25/78	18	0.3	0.477	2.13	0.	0.364	0.603	0.	0.	0.673	1.428

** - Less than 9 observations ## - Computed 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: COLO0156

NPS Station ID: COLO0156
LAT/LON: 37.248892/ -76.559170
Agency: 12NSS
Date Created: 10/22/88
Location: FELGATES CREEK
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 3B059090U /3B03B059090U
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 3
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02080107
RF1 Mile Point: 0.000
Distance from RF1: 11.70
On/Off RF1:
RF3 Index: 02080107028001.73
RF3 Mile Point: 1.73
Distance from RF3: 0.02
On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: COLO0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/19/86-03/19/86	1	14.8	14.8	14.8	14.8	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	03/19/86-03/19/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/19/86-03/19/86	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/19/86-03/19/86	1	369.	369.	369.	369.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/19/86-03/19/86	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/19/86-03/19/86	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-03/19/86	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-03/19/86	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	03/19/86-03/19/86	1	3830.7	3830.7	3830.7	3830.7	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/19/86-03/19/86	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/19/86-03/19/86	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/19/86-03/19/86	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/19/86-03/19/86	1	44.2	44.2	44.2	44.2	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/19/86-03/19/86	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/19/86-03/19/86	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/19/86-03/19/86	1	6.54	6.54	6.54	6.54	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/19/86-03/19/86	1	1.27	1.27	1.27	1.27	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/19/86-03/19/86	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/19/86-03/19/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/19/86-03/19/86	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/19/86-03/19/86	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/19/86-03/19/86	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/19/86-03/19/86	1	46.	46.	46.	46.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/19/86-03/19/86	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	03/19/86-03/19/86	1	15.99	15.99	15.99	15.99	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/19/86-03/19/86	1	10.	10.	10.	10.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/19/86-03/19/86	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	03/19/86-03/19/86	1	2.3	2.3	2.3	2.3	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: COLO0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00							1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0157

NPS Station ID: COLO0157 LAT/LON: 37.250005/ -76.513059 Agency: 21VASWCB Date Created: 12/04/82
Location: YORK R:GLOUCESTER PT-ALLMONDSVILLE NUMBERED STA FIPS State/County: 51073 VIRGINIA/GLOUCESTER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS04731
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK-YORK RIVERS VIRGINIA COAST ECO Region:
RF1 Index: 02080107003 RF1 Mile Point: 7.670 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.03 RF3 Mile Point: 2.02 Distance from RF3: 0.48 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	64 ##	1.5	8.063	240.	1.5	906.139	30.102	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	64 ##	0.176	0.477	2.38	0.176	0.187	0.433	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.998								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	6.117	43.	1.5	93.586	9.674	1.5	1.5	3.6	14.66
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.523	1.633	0.176	0.175	0.419	0.176	0.176	0.556	1.12
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.337								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	99	0.	0.077	1.	0.	0.036	0.19	0.	0.	0.01	0.3
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	99	0.55	0.847	4.7	0.	1.022	1.011	0.	0.13	1.14	2.11

** - 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: COLO0157

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	64	1	0.02	17	0	0.00	21	0	0.00	26	1	0.04			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1945 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	1	0.59	0.59	0.59	0.59	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	3	9.	8.5	15.	1.5	45.75	6.764	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	3	0.954	0.769	1.176	0.176	0.276	0.525	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.872								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	3	0.7	0.507	0.82	0.	0.196	0.443	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	3	0.	0.703	2.11	0.	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 1974 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	11 ##	1.5	2.455	7.	1.5	3.273	1.809	1.5	1.5	4.	6.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	11 ##	0.176	0.314	0.845	0.176	0.06	0.245	0.176	0.176	0.602	0.796
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.062								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.	0.037	0.3	0.	0.008	0.09	0.	0.	0.03	0.254
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.31	1.006	4.7	0.	1.871	1.368	0.	0.16	1.36	4.128

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	9 ##	1.5	28.556	240.	1.5	6288.34	79.299	1.5	1.5	4.	240.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	9 ##	0.176	0.516	2.38	0.176	0.523	0.723	0.176	0.176	0.602	2.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.278								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	9	0.	0.039	0.23	0.	0.007	0.082	0.	0.	0.06	0.23
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	9	1.01	1.026	2.13	0.14	0.348	0.59	0.14	0.59	1.35	2.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	11 ##	1.5	5.955	43.	1.5	156.023	12.491	1.5	1.5	1.5	36.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	11 ##	0.176	0.379	1.633	0.176	0.228	0.477	0.176	0.176	0.176	1.498
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.395								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.	0.045	0.42	0.	0.016	0.126	0.	0.	0.02	0.348
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.34	0.611	2.16	0.	0.524	0.724	0.	0.03	1.14	2.044

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	12 ##	2.75	3.833	9.	1.5	8.742	2.957	1.5	1.5	6.25	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	12 ##	0.389	0.468	0.954	0.176	0.107	0.328	0.176	0.176	0.784	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.938								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	12	0.	0.03	0.36	0.	0.011	0.104	0.	0.	0.	0.252
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	12	0.235	0.506	1.72	0.	0.359	0.599	0.	0.	0.883	1.609

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	10	4.	6.55	23.	1.5	43.414	6.589	1.5	1.5	9.	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	10	0.602	0.643	1.362	0.176	0.166	0.407	0.176	0.176	0.954	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.399								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	10	0.	0.035	0.14	0.	0.003	0.057	0.	0.	0.103	0.137
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	10	0.62	1.311	4.57	0.	2.86	1.691	0.	0.	2.305	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	7	4.	4.	9.	1.5	6.25	2.5	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	7	0.602	0.531	0.954	0.176	0.075	0.274	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.394								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.	0.025	0.27	0.	0.007	0.081	0.	0.	0.	0.218
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.29	0.787	2.32	0.	0.758	0.87	0.002	0.02	1.7	2.25

** - 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 1981 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	11	0.47	0.565	1.38	0.	0.202	0.449	0.004	0.19	0.93	1.316

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	17	4.	5.735	23.	1.5	34.972	5.914	1.5	1.5	9.	16.6
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	17	0.602	0.574	1.362	0.176	0.163	0.404	0.176	0.176	0.954	1.213
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.752								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	26	0.	0.121	0.82	0.	0.055	0.235	0.	0.	0.148	0.628
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	26	0.495	1.09	4.7	0.	2.154	1.467	0.	0.02	1.705	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	21 ##	1.5	3.048	9.	1.5	7.173	2.678	1.5	1.5	4.	9.
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	21 ##	0.176	0.368	0.954	0.176	0.088	0.297	0.176	0.176	0.602	0.954
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.336								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	35	0.	0.045	0.7	0.	0.018	0.134	0.	0.	0.	0.196
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	35	0.55	0.681	2.5	0.	0.434	0.658	0.	0.13	1.	1.616

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

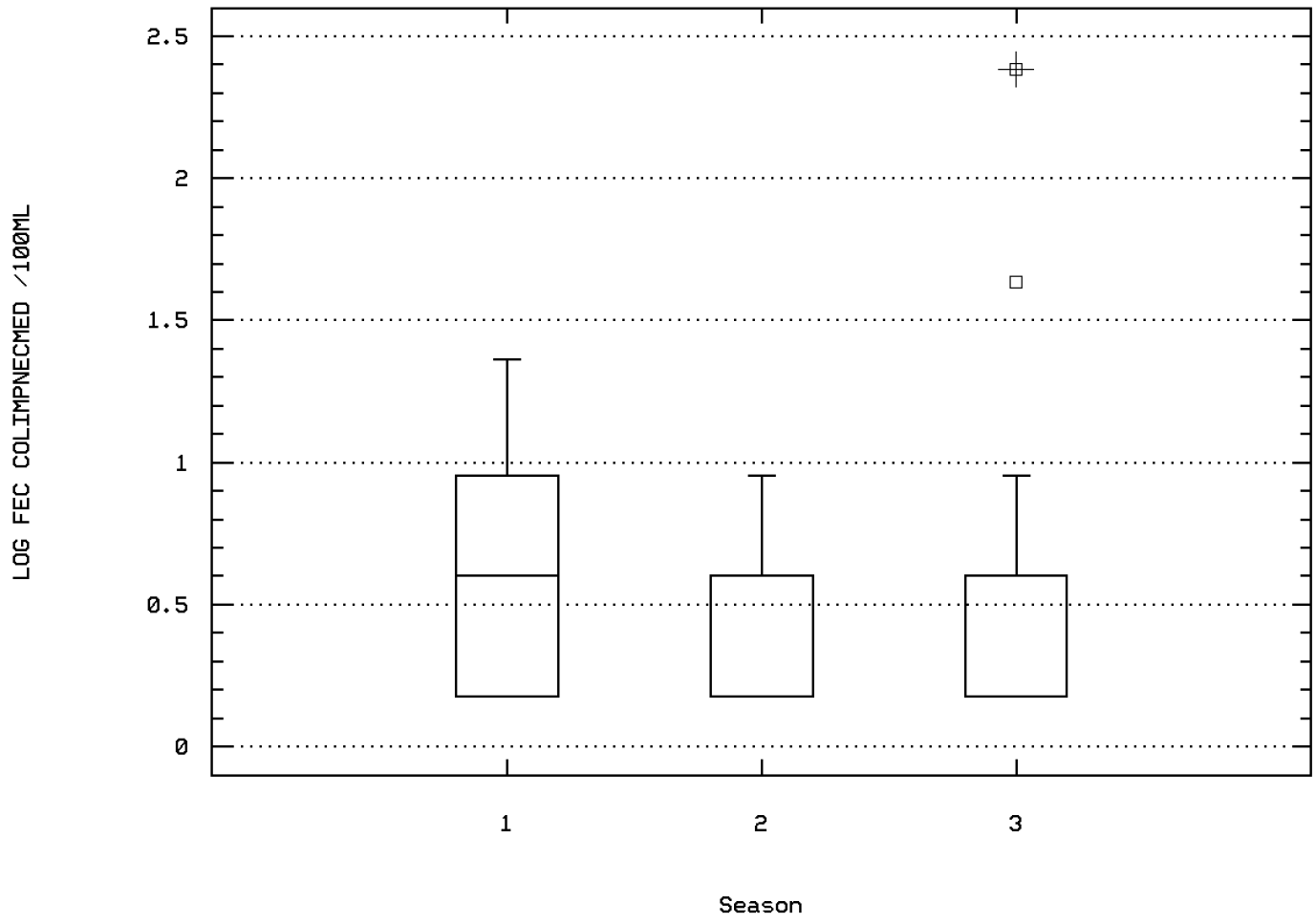
Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615p	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	26 ##	1.5	13.635	240.	1.5	2198.251	46.886	1.5	1.5	4.	19.2
31615p	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	08/14/45-10/17/79	26 ##	0.176	0.501	2.38	0.176	0.28	0.529	0.176	0.176	0.602	1.158
31615p	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.168								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	38	0.	0.076	1.	0.	0.039	0.198	0.	0.	0.008	0.366
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	08/14/45-12/20/82	38	0.61	0.833	4.15	0.	0.786	0.887	0.	0.263	1.29	2.133

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00157 Parameter Code: 31615

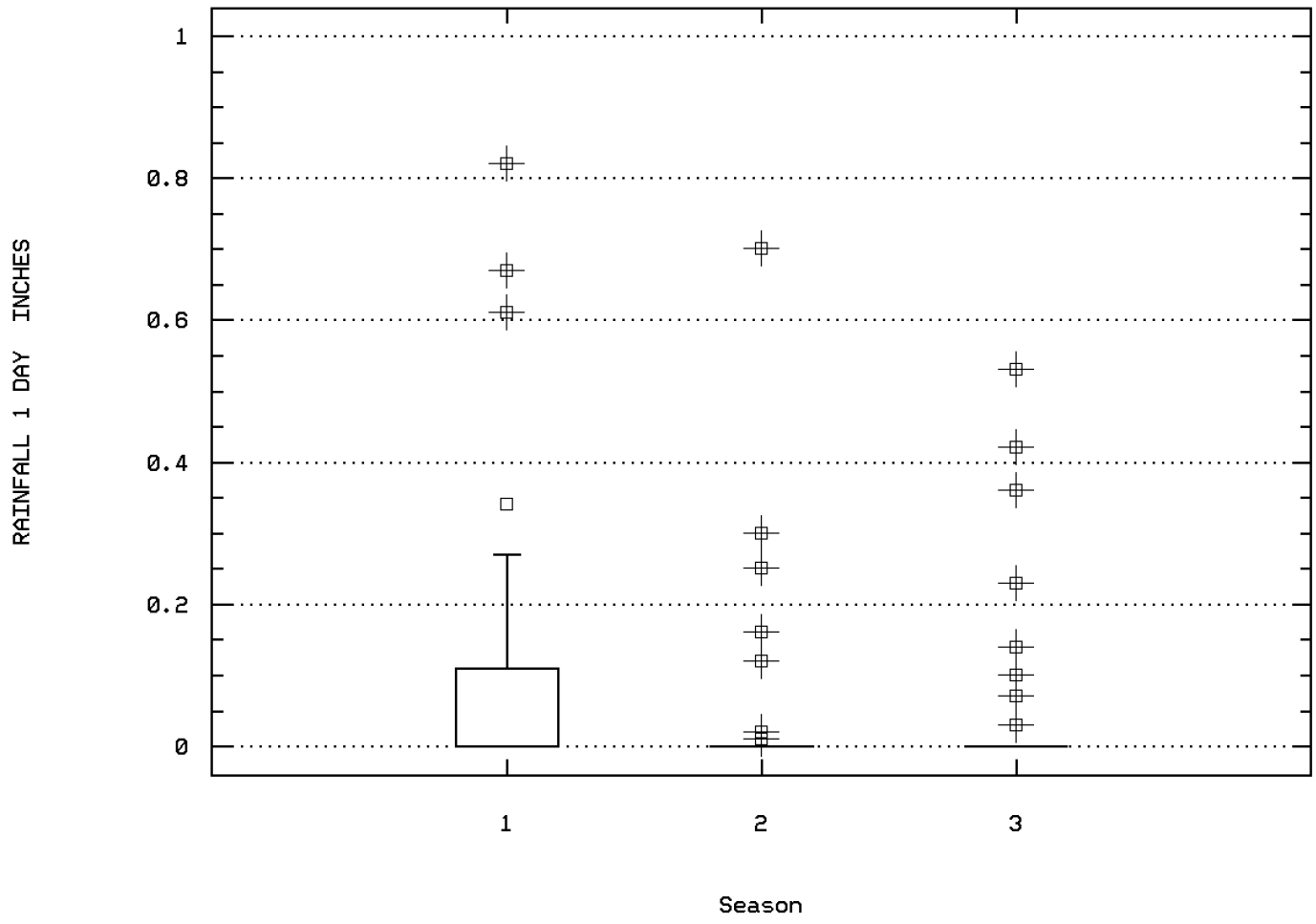
LOG FECAL COLIFORM,MPN,EC MED,44.5C (TU



YORK R:GLOUCESTER PT-ALLMONDSVILLE NUMB

Station: COL00157 Parameter Code: 82553

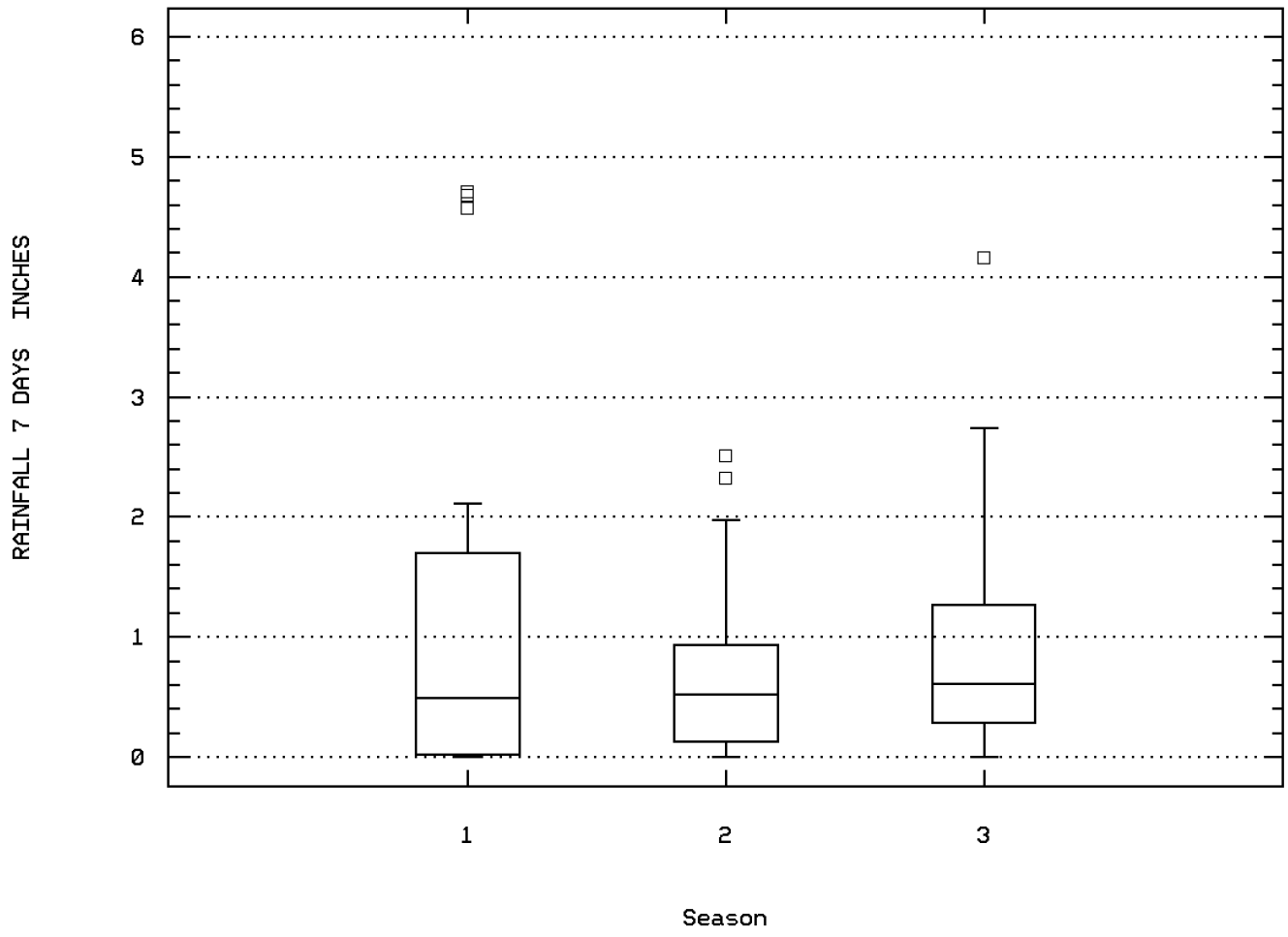
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK R:GLOUCESTER PT-ALLMONDSVILLE NUMB

Station: COL00157 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK R:GLOUCESTER PT-ALLMONDSVILLE NUMB

Station Inventory for Station: COLO0158

NPS Station ID: COLO0158 LAT/LON: 37.250559/ -76.526115 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS0516
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 7.740 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107001300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	82	4.	22.043	1100.	1.5	14887.723	122.015	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	82	0.602	0.621	3.041	0.176	0.294	0.542	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.179								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	34	3.6	38.729	1100.	1.5	35208.729	187.64	1.5	1.5	9.1	22.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	34	0.556	0.684	3.041	0.176	0.349	0.591	0.176	0.176	0.959	1.342
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.827								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	115	0.	0.103	1.37	0.	0.06	0.245	0.	0.	0.03	0.384
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	115	0.58	0.891	4.7	0.	1.052	1.026	0.	0.14	1.34	2.118

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0158

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	82	1	0.01	21	0	0.00	31	1	0.03	30	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	9.	7.75	9.	4.	6.25	2.5	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	0.954	0.866	0.954	0.602	0.031	0.176	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.348								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	2.75	20.35	150.	1.5	2128.447	46.135	1.5	1.5	17.	137.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	0.389	0.68	2.176	0.176	0.47	0.686	0.176	0.176	1.223	2.095
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.785								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	4.	91.538	1100.	1.5	91868.353	303.098	1.5	1.5	16.	669.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	0.602	0.847	3.041	0.176	0.62	0.787	0.176	0.176	1.158	2.37
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.033								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	1.5	4.9	23.	1.5	46.156	6.794	1.5	1.5	5.25	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	0.176	0.458	1.362	0.176	0.176	0.419	0.176	0.176	0.69	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.869								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	1.5	5.708	43.	1.5	139.157	11.796	1.5	1.5	4.	31.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	0.176	0.429	1.633	0.176	0.181	0.425	0.176	0.176	0.602	1.324
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.686								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14	4.	5.643	23.	1.5	55.516	7.451	1.5	1.5	4.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14	0.602	0.528	1.362	0.176	0.167	0.408	0.176	0.176	0.602	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.373								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.36	0.	0.01	0.1	0.	0.	0.	0.236
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.18	0.678	3.57	0.	1.091	1.045	0.	0.	1.125	2.83

** - 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

Annual Analysis for 1978 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	6.5	7.05	23.	1.5	43.081	6.564	1.5	1.5	9.	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.778	0.679	1.362	0.176	0.175	0.418	0.176	0.176	0.954	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.771								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.354	4.57	0.	2.748	1.658	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	4.	16.143	75.	1.5	730.393	27.026	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	0.602	0.771	1.875	0.176	0.394	0.627	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.898								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.075	0.62	0.	0.035	0.188	0.	0.	0.008	0.515
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.42	0.49	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

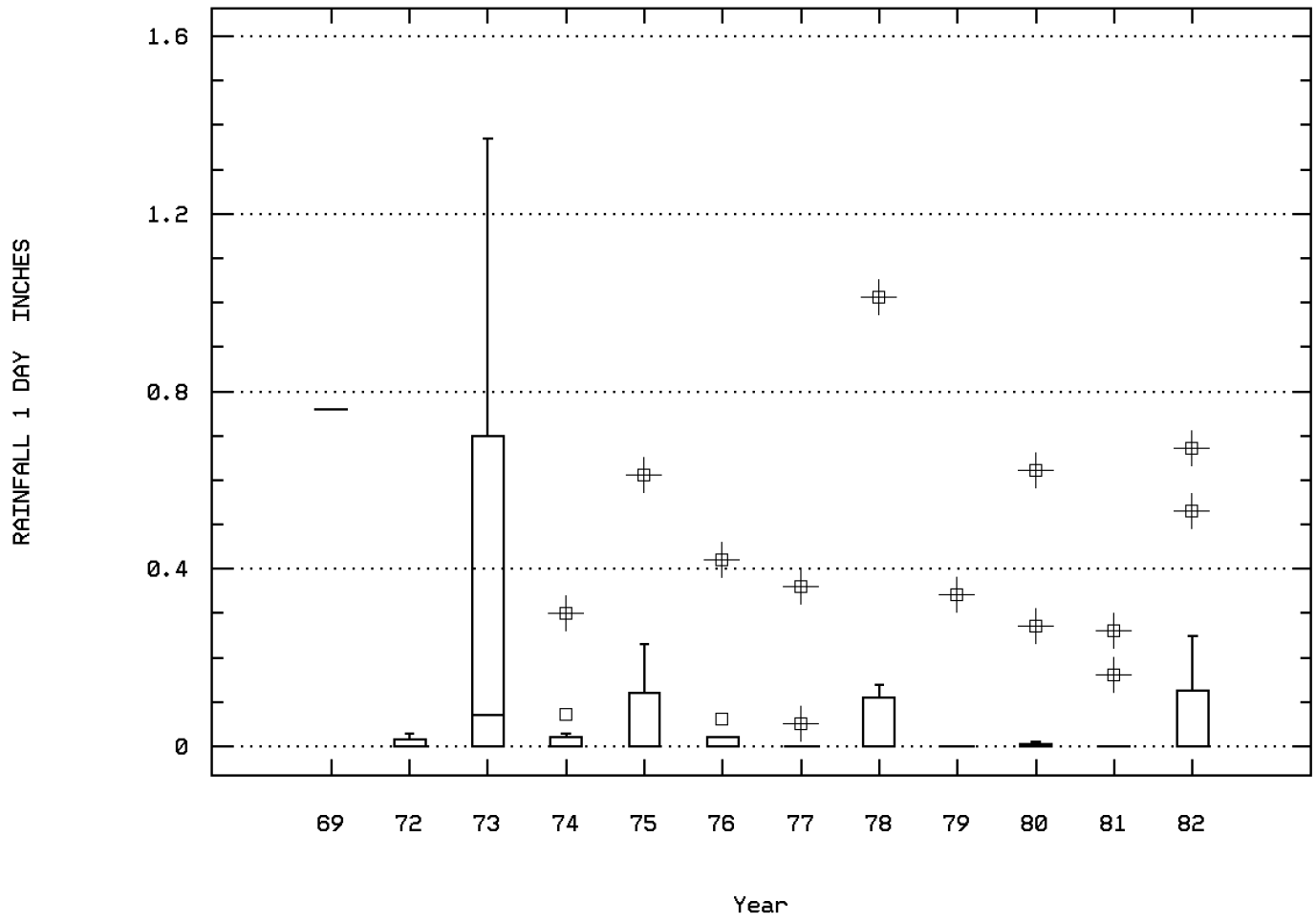
Annual Analysis for 1982 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00158 Parameter Code: 82553

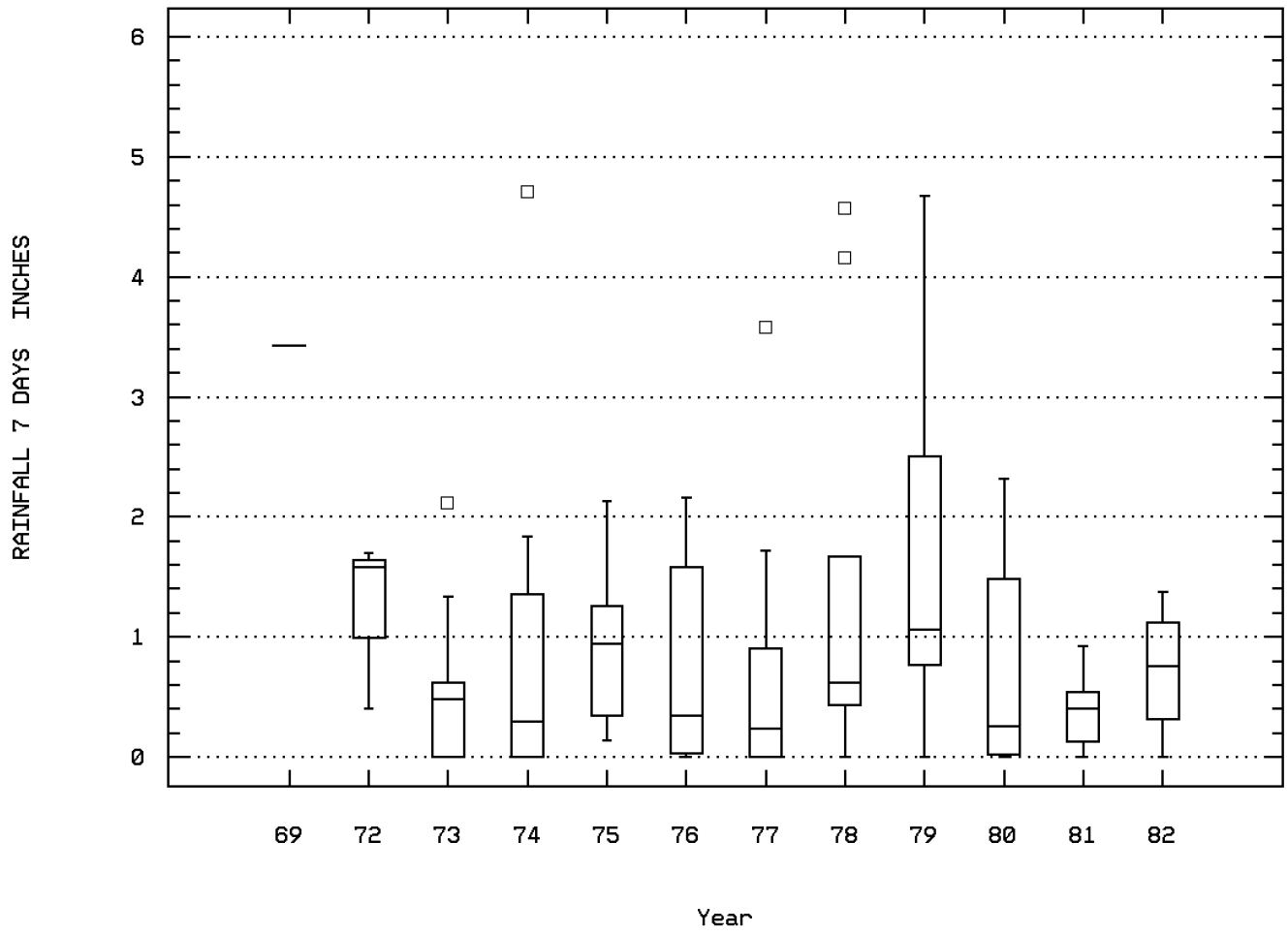
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00158 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	21	4.	15.857	150.	1.5	1071.529	32.734	1.5	1.5	23.	39.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	21	0.602	0.73	2.176	0.176	0.362	0.601	0.176	0.176	1.362	1.579
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.373								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	30	0.	0.133	0.82	0.	0.063	0.25	0.	0.	0.148	0.664
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	30	0.76	1.293	4.7	0.	2.212	1.487	0.	0.028	1.818	4.47

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	31	4.	39.758	1100.	1.5	38731.881	196.804	1.5	1.5	9.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	31	0.602	0.596	3.041	0.176	0.317	0.563	0.176	0.176	0.954	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.946								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	43	0.	0.06	1.01	0.	0.037	0.192	0.	0.	0.	0.214
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	43	0.58	0.741	2.5	0.	0.457	0.676	0.	0.16	1.26	1.688

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	4.	8.067	75.	1.5	211.254	14.535	1.5	1.5	5.25	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	0.602	0.57	1.875	0.176	0.231	0.48	0.176	0.176	0.69	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.719								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.	0.124	1.37	0.	0.082	0.286	0.	0.	0.105	0.497
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.435	0.757	4.15	0.	0.732	0.856	0.	0.143	1.12	1.965

** - Less than 9 observations ## - Computed 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: COLO0159

NPS Station ID: COLO0159 LAT/LON: 37.250837/ -76.646671 Agency: 21VASWCB Date Created: 04/08/89
Location: JAMES CITY CO. STP - IMPACT STATION - YORK CO. FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 8-WTM000.80
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 8.10 On/Off RF1:
RF3 Index: 02080107028001.98 RF3 Mile Point: 3.66 Distance from RF3: 0.01 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: WHITEMAN SWAMP SECTION: 02 TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA

Parameter Inventory for Station: COLO0159

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0160

NPS Station ID: COLO0160
Location: BLACK SWAMP, NEAR CARP CIRCLE
Station Type: /TYPA/IND/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER DISCHARGE TO
RF1 Index: 02080107
RF3 Index: 02080107028000.19
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.251670/ -76.573059
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.94

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK DIS 006
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.03

Date Created: / /
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0160

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0161

NPS Station ID: COLO0161 LAT/LON: 37.252227/ -76.533615 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05120
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 9.390 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.14 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-05/01/74	2	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-05/01/74	2	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	07/27/81-07/27/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	07/27/81-07/27/81	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			1.5								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-07/27/81	3	0.26	0.34	0.76	0.	0.149	0.386	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-07/27/81	3	0.4	1.35	3.43	0.22	3.253	1.804	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0161

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
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 edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0162

NPS Station ID: COLO0162
Location: AT COLONIAL PARKWAY
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER FELGATES CREK
RF1 Index: 02080107004
RF3 Index: 02080107027901.33
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.252781/ -76.536392
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 9.490
RF3 Mile Point: 1.32

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): FEL 001 /FELGATES 1
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 9.20
Distance from RF3: 0.02

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0162

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0163

NPS Station ID: COLO0163
LAT/LON: 37.252781/ -76.575282
Agency: 12NSS
Date Created: 10/22/88
Location: FELGATES CREEK
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 3B059090L /3B03B059090L
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 3
Aquifer:
Major Basin:
Elevation: 1
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 02080107
RF1 Mile Point: 0.000
Distance from RF1: 26.20
On/Off RF1:
RF3 Index: 02080107028500.15
RF3 Mile Point: 0.14
Distance from RF3: 0.32
On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: COLO0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00064	DEPTH OF STREAM, MEAN (FT)	03/19/86-03/19/86	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/19/86-03/19/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	03/19/86-03/19/86	1	8.	8.	8.	8.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: COLO0164

NPS Station ID: COLO0164 LAT/LON: 37.252977/ -76.632865 Agency: 21VASWCB Date Created: / /
Location: COLONIAL PARKWAY AT CONF. WITH WHITMAN SWAMP FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 8-KNG004.46 /VA8-02-X0011/VA8-5X0011
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080107000802.79 RF3 Mile Point: 2.78 Distance from RF3: 0.08 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: KING CREEK SECTION: 02 TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA

Parameter Inventory for Station: COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	86	19.5	18.594	33.3	1.3	65.356	8.084	7.2	11.1	26.25	28.3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/21/71-07/18/71	3	24.	24.	30.	18.	36.	6.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/14/92-03/03/93	7	51.	62.429	178.	9.	3088.286	55.572	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/14/92-08/25/93	14	11000.	12560.714	29000.	2250.	66523145.604	8156.172	3425.	4775.	19250.	27000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/14/92-07/13/93	12	12090.	13763.5	27000.	2708.	75771512.455	8704.683	3245.6	6176.	20982.75	27000.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/14/92-08/25/93	14	8.	9.286	19.	2.	31.143	5.581	2.5	4.75	14.5	18.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/14/92-08/25/93	14	6.2	6.979	10.7	4.5	4.363	2.089	4.95	5.475	9.4	10.45
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	73	8.	8.281	19.4	1.7	10.824	3.29	4.4	6.05	10.1	12.52
00310	BOD, 5 DAY, 20 DEG C MG/L	04/17/70-07/13/93	22	3.8	8.582	54.	0.5	159.743	12.639	1.	1.75	8.625	29.3
00340	COD, .25N K2CR2O7 MG/L	07/14/92-02/10/93	2	8.5	8.5	17.	0.	144.5	12.021	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	88	8.	8.108	9.3	7.	0.329	0.574	7.5	7.603	8.5	9.
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	88	8.	7.807	9.3	7.	0.421	0.649	7.5	7.602	8.5	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	88	0.01	0.016	0.1	0.001	0.	0.018	0.001	0.003	0.025	0.032
00403	PH, LAB, STANDARD UNITS SU	04/17/70-07/13/93	16	7.85	7.888	8.4	7.5	0.073	0.27	7.5	7.625	8.1	8.26
00403	CONVERTED PH, LAB, STANDARD UNITS	04/17/70-07/13/93	16	7.847	7.813	8.4	7.5	0.079	0.281	7.5	7.625	8.1	8.26
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-07/13/93	16	0.014	0.015	0.032	0.004	0.	0.009	0.006	0.008	0.024	0.032
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/70-07/13/93	16	151.	156.25	270.	96.	2444.467	49.442	99.5	114.5	174.75	258.1
00500	RESIDUE, TOTAL (MG/L)	04/17/70-07/13/93	13	6000.	8207.923	17500.	343.	34708219.41	5891.368	833.8	3245.	13700.	16940.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/17/70-07/13/93	13	900.	1303.154	4200.	63.	1616850.808	1271.554	133.8	308.5	2050.	3800.
00510	RESIDUE, TOTAL FIXED (MG/L)	04/17/70-07/13/93	13	5100.	6885.385	14600.	28.	23239298.09	4820.716	548.8	2815.	11050.	14080.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/70-07/13/93	14	17.5	23.143	53.	9.	183.67	13.553	10.	13.	31.5	50.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/17/70-07/13/93	14	8.	6.929	19.	2.	21.456	4.632	2.	2.75	9.25	14.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/17/70-07/13/93	14	14.	16.214	37.	3.	102.797	10.139	4.	9.25	22.	35.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/70-08/25/93	62	0.16	0.567	10.	0.02	1.984	1.409	0.02	0.05	0.625	1.139
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	64	0.01	0.02	0.15	0.005	0.001	0.028	0.005	0.005	0.02	0.065
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	49	0.06	0.125	0.5	0.02	0.016	0.126	0.02	0.02	0.21	0.33
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/70-08/25/93	62	0.9	1.464	15.	0.1	6.384	2.527	0.3	0.6	1.3	2.169
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/76-04/30/79	15	0.15	0.198	0.55	0.025	0.03	0.173	0.025	0.025	0.36	0.502
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/14/92-08/25/93	14	0.2	0.221	0.4	0.05	0.017	0.13	0.05	0.1	0.325	0.4
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/14/92-02/10/93	7	6.8	11.3	39.1	5.8	150.577	12.271	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/92-02/10/93	7	2350.	2075.714	3300.	510.	1017561.905	1008.743	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/25/73-07/13/93	13	3040.	4552.462	10005.	110.	11943140.603	3455.885	351.6	1580.5	8410.	9507.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/14/92-07/13/93	12	555.5	657.417	1312.	95.	202030.447	449.478	120.5	261.	1160.	1278.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00951	FLUORIDE, TOTAL (MG/L AS F)	07/14/92-03/03/93	7 ##	0.05	0.209	0.76	0.05	0.068	0.261	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/14/92-12/07/92	6	6.85	7.083	10.6	4.3	4.75	2.179	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/21/71-09/05/78	8 ##	1.75	3.313	15.	1.	22.71	4.765	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/21/71-03/15/79	17 ##	5.	6.471	20.	5.	14.89	3.859	5.	5.	5.	12.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/70-03/15/79	22 ##	5.	7.045	20.	5.	13.474	3.671	5.	5.	10.	10.
01042	COPPER, TOTAL (UG/L AS CU)	04/17/70-03/15/79	22	10.	13.864	50.	5.	161.742	12.718	5.	5.	20.	37.
01045	IRON, TOTAL (UG/L AS FE)	04/21/71-03/15/79	3	500.	566.	1100.	98.	254268.	504.25	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/21/71-03/15/79	20	5.	9.55	30.	1.	87.945	9.378	1.1	4.25	10.	30.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/17/70-03/15/79	3	60.	73.3	109.9	50.	1029.67	32.088	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/05/73-03/15/79	14 ##	50.	50.75	100.	0.5	387.875	19.695	25.25	50.	50.	80.
01092	ZINC, TOTAL (UG/L AS ZN)	04/17/70-03/15/79	22	10.	24.545	170.	5.	1285.498	35.854	5.	5.	30.	57.
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	02/21/73-02/21/73	1	91.	91.	91.	91.	0.	0.	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	02/21/73-02/21/73	1	1.959	1.959	1.959	1.959	0.	0.	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			91.								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	04/17/70-11/18/77	6	2615.	5058.5	20000.	91.	57435509.5	7578.622	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	04/17/70-11/18/77	6	3.301	3.193	4.301	1.959	0.706	0.84	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			1559.702								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	540.	483.333	800.	110.	121433.333	348.473	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	2.732	2.559	2.903	2.041	0.208	0.456	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			362.209								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	68 ##	50.	511.324	8000.	50.	1837928.073	1355.702	50.	50.	282.5	820.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	68 ##	1.699	2.111	3.903	1.699	0.345	0.587	1.699	1.699	2.448	2.913
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			129.125								
32240	TANNIN AND LIGNIN (MG/L)	10/05/92-04/14/93	4	0.6	0.65	0.9	0.5	0.03	0.173	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/21/71-04/21/71	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/17/70-04/30/79	46	0.2	0.345	3.7	0.05	0.309	0.556	0.05	0.088	0.4	0.56
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/17/70-08/25/93	62	0.105	0.29	5.299	0.	0.618	0.786	0.04	0.05	0.253	0.307
71900	MERCURY, TOTAL (UG/L AS HG)	04/21/71-03/15/79	21 ##	0.25	0.24	0.25	0.15	0.001	0.03	0.17	0.25	0.25	0.25
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/14/92-07/13/93	12	15.5	18.408	56.	9.8	154.848	12.444	9.95	11.275	19.25	45.8

** - 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: COLO0164

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00				2	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	14	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	73	6	0.08	24	3	0.13	25	2	0.08	24	1	0.04			
00400	PH	Other-Hi Lim.	9.	88	12	0.14	30	6	0.20	29	2	0.07	29	4	0.14			
		Other-Lo Lim.	6.5	88	0	0.00	30	0	0.00	29	0	0.00	29	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	16	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	64	0	0.00	21	0	0.00	21	0	0.00	22	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	49	0	0.00	15	0	0.00	17	0	0.00	17	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	6	0	0.00	4	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	11	0.85	5	5	1.00	4	3	0.75	4	3	0.75			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	12	6	0.50	5	3	0.60	3	3	1.00	4	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	50.	8	0	0.00	4	0	0.00				4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3 &	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
		Drinking Water	5.	3 &	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	22	0	0.00	7	0	0.00	7	0	0.00	8	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	22	6	0.27	7	2	0.29	7	2	0.29	8	2	0.25			
		Drinking Water	1300.	22	0	0.00	7	0	0.00	7	0	0.00	8	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	20	0	0.00	7	0	0.00	7	0	0.00	6	0	0.00			
		Drinking Water	5.	15 &	10	0.67	7	5	0.71	3	3	1.00	5	2	0.40			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	14	0	0.00	5	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	100.	14	1	0.07	5	0	0.00	4	1	0.25	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	22	1	0.05	7	0	0.00	7	1	0.14	8	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: COLO0164

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	6	3	0.50	2	0	0.00	2	2	1.00	2	1	0.50			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	2 &	1	0.50	1	1	1.00				1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	66 &	20	0.30	20	9	0.45	22	5	0.23	24	6	0.25			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00							1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	21	0	0.00	7	0	0.00	7	0	0.00	7	0	0.00			
		Drinking Water	2.	21	0	0.00	7	0	0.00	7	0	0.00	7	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	12	1	0.08	5	1	0.20	3	0	0.00	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1970 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	3	27.2	24.067	28.3	16.7	41.003	6.403	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	3	8.4	9.933	13.6	7.8	10.173	3.19	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	3	7.6	7.8	8.8	7.	0.84	0.917	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	3	7.6	7.374	8.8	7.	1.112	1.054	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	3	0.025	0.042	0.1	0.002	0.003	0.051	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	10	20.85	19.01	28.3	7.8	51.772	7.195	7.91	11.375	25.6	28.03
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	10	8.8	8.61	13.	2.6	9.708	3.116	2.84	6.95	10.9	12.88
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	10	8.45	8.15	9.	7.3	0.405	0.636	7.3	7.45	8.575	8.98
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	10	8.447	7.775	9.	7.3	0.561	0.749	7.3	7.45	8.575	8.98
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	10	0.004	0.017	0.05	0.001	0.	0.02	0.001	0.003	0.036	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	11	17.2	18.127	33.3	7.2	69.396	8.33	7.76	11.1	25.6	32.52
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	11	9.	9.182	13.2	6.	5.076	2.253	6.04	7.6	11.4	12.84
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	11	8.2	8.164	9.	7.	0.315	0.561	7.14	7.7	8.5	8.96
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	11	8.2	7.792	9.	7.	0.467	0.683	7.14	7.7	8.5	8.96
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	11	0.006	0.016	0.1	0.001	0.001	0.029	0.001	0.003	0.02	0.084

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	10	15.	15.47	24.4	7.	52.529	7.248	7.02	8.475	22.925	24.29
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	11	8.4	7.282	10.2	1.7	9.412	3.068	2.04	4.6	10.	10.2
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	11	7.8	7.973	8.5	7.5	0.196	0.443	7.5	7.5	8.5	8.5
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	11	7.8	7.803	8.5	7.5	0.228	0.477	7.5	7.5	8.5	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	11	0.016	0.016	0.032	0.003	0.	0.012	0.003	0.003	0.032	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	10	18.05	18.32	28.9	7.2	52.491	7.245	7.48	13.3	24.15	28.68
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	10	8.	8.41	15.	5.2	9.979	3.159	5.2	5.8	10.95	14.64
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	10	8.25	8.21	9.	7.5	0.241	0.491	7.53	7.8	8.55	8.97
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	10	8.182	7.993	9.	7.5	0.293	0.542	7.53	7.8	8.55	8.97
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	10	0.007	0.01	0.032	0.001	0.	0.01	0.001	0.003	0.016	0.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	11	20.	18.382	31.1	4.4	85.684	9.257	4.64	7.8	26.7	30.32
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	11	7.2	8.991	19.4	2.9	28.041	5.295	3.2	5.6	10.6	19.16
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	11	8.	8.073	9.3	7.5	0.466	0.683	7.5	7.5	8.5	9.3
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	11	8.	7.785	9.3	7.5	0.557	0.747	7.5	7.5	8.5	9.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	11	0.01	0.016	0.032	0.001	0.	0.013	0.001	0.003	0.032	0.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	6	21.65	20.	27.8	11.1	50.44	7.102	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	6	8.	8.117	14.2	4.	12.962	3.6	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	6	8.5	8.5	9.	7.5	0.3	0.548	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	6	8.5	8.144	9.	7.5	0.452	0.673	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	6	0.003	0.007	0.032	0.001	0.	0.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	4	16.5	16.325	31.	1.3	167.223	12.931	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	3	6.1	6.467	7.8	5.5	1.423	1.193	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	4	9.	8.7	9.3	7.5	0.66	0.812	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	4	9.	8.069	9.3	7.5	1.191	1.091	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	4	0.001	0.009	0.032	0.001	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 1978 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	5	27.	23.1	28.	14.	39.55	6.289	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	6	7.1	6.833	10.2	3.8	5.811	2.411	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	6	8.25	8.317	9.	7.4	0.402	0.634	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	6	8.182	7.965	9.	7.4	0.55	0.741	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	6	0.007	0.011	0.04	0.001	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 1979 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	2	14.25	14.25	19.	9.5	45.125	6.718	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	2	7.7	7.7	8.6	6.8	1.62	1.273	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	2	7.55	7.55	7.6	7.5	0.005	0.071	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	2	7.547	7.547	7.6	7.5	0.005	0.071	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	2	0.028	0.028	0.032	0.025	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

Annual Analysis for 1992 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	6	21.95	20.367	29.3	4.3	93.095	9.649	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	6	7.8	7.857	8.22	7.69	0.042	0.204	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	6	7.796	7.822	8.22	7.69	0.043	0.207	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	6	0.016	0.015	0.02	0.006	0.	0.006	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	8	18.7	18.225	31.1	6.7	100.602	10.03	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	8	7.68	7.783	8.23	7.5	0.086	0.294	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	8	7.674	7.71	8.23	7.5	0.092	0.304	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	8	0.021	0.019	0.032	0.006	0.	0.01	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	29	27.2	26.538	33.3	14.4	15.859	3.982	22.2	25.6	28.6	31.1
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	24	7.65	8.133	19.4	2.9	16.762	4.094	3.9	5.025	10.2	14.3
00310	BOD, 5 DAY, 20 DEG C MG/L	04/17/70-07/13/93	9	6.	7.167	23.	1.	44.25	6.652	1.	2.5	9.25	23.
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	30	8.31	8.229	9.3	7.	0.358	0.599	7.5	7.698	8.725	9.
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	30	8.301	7.87	9.3	7.	0.492	0.701	7.5	7.698	8.725	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	30	0.005	0.013	0.1	0.001	0.	0.019	0.001	0.002	0.02	0.032
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/70-08/25/93	19 ##	0.05	0.134	0.7	0.02	0.045	0.211	0.02	0.02	0.1	0.7
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	21 ##	0.005	0.018	0.1	0.005	0.001	0.027	0.005	0.005	0.01	0.074
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	15	0.025	0.05	0.21	0.02	0.002	0.05	0.02	0.02	0.06	0.132
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/70-08/25/93	20	0.9	0.935	1.8	0.1	0.205	0.453	0.3	0.7	1.275	1.58
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	20	100.	1031.5	8000.	50.	4765950.263	2183.106	50.	50.	600.	5720.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	20	2.	2.319	3.903	1.699	0.538	0.733	1.699	1.699	2.778	3.751
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			208.387								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/17/70-04/30/79	13	0.3	0.262	0.5	0.05	0.022	0.149	0.05	0.1	0.4	0.46
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/17/70-08/25/93	21	0.14	0.162	0.32	0.	0.012	0.111	0.042	0.05	0.27	0.308

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	29	10.	11.014	20.6	1.3	23.555	4.853	4.4	7.2	15.	17.2
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	25	8.4	8.472	14.2	1.7	6.625	2.574	4.96	7.4	10.2	11.4
00310	BOD, 5 DAY, 20 DEG C MG/L	04/17/70-07/13/93	5	1.	8.7	32.	0.5	182.2	13.498	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	29	8.	8.036	9.	7.3	0.232	0.482	7.5	7.695	8.5	8.8
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	29	8.	7.83	9.	7.3	0.276	0.525	7.5	7.695	8.5	8.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	29	0.01	0.015	0.05	0.001	0.	0.013	0.002	0.003	0.02	0.032
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/70-08/25/93	21	0.2	1.045	10.	0.02	5.369	2.317	0.05	0.055	0.75	4.24
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	21	0.01	0.02	0.08	0.005	0.001	0.026	0.005	0.005	0.02	0.078
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	17	0.18	0.176	0.42	0.02	0.017	0.129	0.02	0.055	0.26	0.396
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/70-08/25/93	20	0.7	2.21	15.	0.2	18.124	4.257	0.3	0.425	1.375	12.91
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	23 ##	50.	177.391	1000.	50.	57892.885	240.609	50.	50.	200.	560.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	23 ##	1.699	1.999	3.	1.699	0.181	0.426	1.699	1.699	2.301	2.746
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			99.754								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/17/70-04/30/79	15	0.2	0.433	3.7	0.05	0.833	0.913	0.05	0.05	0.3	1.78
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/17/70-08/25/93	20	0.095	0.541	5.299	0.02	1.833	1.354	0.021	0.043	0.223	3.18

** - 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

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/70-08/25/93	28	19.5	18.218	27.2	5.6	35.235	5.936	8.84	13.725	23.025	24.63
00300	OXYGEN, DISSOLVED MG/L	04/17/70-04/30/79	24	8.05	8.229	18.2	2.6	10.143	3.185	4.8	6.2	9.55	12.5
00310	BOD, 5 DAY, 20 DEG C MG/L	04/17/70-07/13/93	8	3.5	10.1	54.	1.	319.326	17.87	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/70-08/25/93	29	7.8	8.055	9.3	7.	0.396	0.63	7.5	7.5	8.5	9.
00400	CONVERTED PH (STANDARD UNITS)	04/17/70-08/25/93	29	7.8	7.73	9.3	7.	0.505	0.711	7.5	7.5	8.5	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/70-08/25/93	29	0.016	0.019	0.1	0.001	0.	0.021	0.001	0.003	0.032	0.032
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/70-08/25/93	22	0.35	0.484	1.699	0.02	0.208	0.456	0.02	0.073	0.8	1.139
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	22	0.01	0.023	0.15	0.005	0.001	0.032	0.005	0.005	0.023	0.057
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/17/70-08/25/93	17	0.07	0.14	0.5	0.02	0.021	0.144	0.02	0.023	0.265	0.364
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/70-08/25/93	22	1.	1.268	5.	0.3	1.122	1.059	0.4	0.6	1.35	2.76
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	25 ##	50.	402.4	4200.	50.	960060.667	979.827	50.	50.	200.	1640.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/71-06/17/93	25 ##	1.699	2.048	3.623	1.699	0.319	0.565	1.699	1.699	2.301	3.127
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			111.644								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/17/70-04/30/79	18	0.2	0.331	1.1	0.05	0.103	0.321	0.05	0.05	0.5	1.01
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/17/70-08/25/93	21	0.1	0.179	0.9	0.05	0.038	0.195	0.05	0.06	0.25	0.38

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0165

NPS Station ID: COLO0165
LAT/LON: 37.253337/ -76.577781
Agency: 21VASWCB
Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BSS05141
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
ECO Region:
RF1 Index: 02080107
RF1 Mile Point: 0.000
Distance from RF1: 8.60
On/Off RF1:
RF3 Index: 02080107028000.19
RF3 Mile Point: 0.74
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0165

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0166

NPS Station ID: COLO0166 LAT/LON: 37.254170/ -76.658892 Agency: 21VASWCB Date Created: 04/08/89
Location: JAMES CITY CO. STP - CONTROL STATION - YORK CO. FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 8-WTM001.60
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH-ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 21.70 On/Off RF1:
RF3 Index: 02080107028600.00 RF3 Mile Point: 0.46 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: WHITEMAN SWAMP SECTION: 02 TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA

Parameter Inventory for Station: COLO0166

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0167

NPS Station ID: COLO0167 LAT/LON: 37.255003/ -76.536670 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05119
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 9.930 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.36 RF3 Mile Point: 2.35 Distance from RF3: 0.15 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-07/14/69	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-07/14/69	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-07/14/69	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-07/14/69	1	3.43	3.43	3.43	3.43	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: COLO0167

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0168

NPS Station ID: COLO0168 LAT/LON: 37.255003/ -76.812781 Agency: 112WRD Date Created: 02/01/92
Location: JAMES RIVER TRIBUTARY NEAR FIVE FORKS, VA FIPS State/County: 51095 VIRGINIA/JAMES CITY
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 02042765
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080206 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 02080206 RF1 Mile Point: 0.000 Distance from RF1: 18.00 On/Off RF1:
RF3 Index: 02080206176405.31 RF3 Mile Point: 5.31 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/83-09/20/84	6	20.	19.75	24.	14.5	14.375	3.791	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/26/82-09/20/84	8	0.3	0.404	1.	0.03	0.145	0.381	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/26/82-09/20/84	7	115.	128.714	250.	68.	4260.571	65.273	**	**	**	**

** - Less than 9 observations ## - 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: COLO0169

NPS Station ID: COLO0169 LAT/LON: 37.255559/ -76.532503 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05115
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 8.480 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.27 RF3 Mile Point: 2.26 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	47	4.	6.468	93.	1.5	198.352	14.084	1.5	1.5	4.	11.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	47	0.602	0.514	1.968	0.176	0.171	0.414	0.176	0.176	0.602	1.024
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.263								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	47	0.	0.117	1.37	0.	0.078	0.279	0.	0.	0.05	0.628
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	47	0.54	0.878	4.7	0.	0.914	0.956	0.	0.16	1.44	1.894

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0169

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	47	0	0.00	16	0	0.00	18	0	0.00	13	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	16 ##	1.5	4.719	29.	1.5	48.266	6.947	1.5	1.5	4.	15.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	16 ##	0.176	0.452	1.462	0.176	0.152	0.39	0.176	0.176	0.602	1.107
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.834								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	16	0.	0.142	0.82	0.	0.087	0.295	0.	0.	0.043	0.778
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	16	1.225	1.315	4.7	0.	1.722	1.312	0.	0.178	1.785	3.811

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	18	4.	10.472	93.	1.5	463.396	21.527	1.5	1.5	9.	30.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	18	0.602	0.632	1.968	0.176	0.261	0.511	0.176	0.176	0.954	1.422
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.29								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	18	0.	0.065	0.7	0.	0.031	0.175	0.	0.	0.023	0.34
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	18	0.64	0.733	1.7	0.	0.393	0.627	0.	0.145	1.345	1.601

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	13	4.	3.077	7.	1.5	2.952	1.718	1.5	1.5	4.	5.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-08/16/77	13	0.602	0.424	0.845	0.176	0.061	0.248	0.176	0.176	0.602	0.748
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.656								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	13	0.	0.158	1.37	0.	0.14	0.374	0.	0.	0.175	0.914
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-08/16/77	13	0.31	0.542	2.13	0.	0.384	0.62	0.	0.145	0.805	1.814

** - 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

Station Inventory for Station: COLO0170

NPS Station ID: COLO0170 LAT/LON: 37.257503/ -76.576948 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05140
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.29 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-01/08/80	15	43.	112.167	460.	1.5	23352.345	152.815	2.4	23.	93.	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-01/08/80	15	1.633	1.656	2.663	0.176	0.479	0.692	0.357	1.362	1.968	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			45.317								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-06/23/81	5	23.	235.32	1100.	1.5	233896.387	483.628	**	**	**	**
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-06/23/81	5	1.362	1.434	3.041	0.176	1.109	1.053	**	**	**	**
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			27.186								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	20	0.	0.13	1.01	0.	0.096	0.31	0.	0.	0.078	0.934
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	20	0.78	1.17	4.67	0.	1.743	1.32	0.	0.245	1.625	3.985

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0170

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	15	3	0.20	1	1	1.00	6	0	0.00	8	2	0.25			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	1	4.67	4.67	4.67	4.67	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	9	0.	0.113	1.01	0.	0.113	0.336	0.	0.	0.005	1.01
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	9	0.52	0.948	2.5	0.	0.942	0.97	0.	0.115	1.995	2.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	10	0.	0.124	1.	0.	0.097	0.312	0.	0.	0.11	0.914
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	10	0.845	1.02	4.15	0.	1.406	1.186	0.022	0.273	1.1	3.884

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0171

NPS Station ID: COLO0171 LAT/LON: 37.258337/ -76.540005 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05118
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 10.070 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.36 RF3 Mile Point: 2.35 Distance from RF3: 0.33 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	81	4.	8.302	93.	1.5	156.654	12.516	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	81	0.602	0.645	1.968	0.176	0.215	0.464	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.414								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	6.709	43.	1.5	108.071	10.396	1.5	1.5	3.6	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.562	1.633	0.176	0.178	0.422	0.176	0.176	0.556	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.645								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/81-06/23/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	06/23/81-06/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			10.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	115	0.	0.102	1.37	0.	0.06	0.245	0.	0.	0.03	0.384
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	115	0.55	0.865	4.7	0.	0.988	0.994	0.	0.16	1.28	2.026

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0171

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	81	0	0.00	19	0	0.00	31	0	0.00	31	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	4.	8.125	23.	1.5	99.729	9.986	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	0.602	0.685	1.362	0.176	0.244	0.494	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.847								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	5.25	8.65	23.	1.5	78.669	8.87	1.5	1.5	17.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	0.565	0.669	1.362	0.176	0.288	0.537	0.176	0.176	1.223	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.665								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14 ##	2.25	6.536	23.	1.5	63.287	7.955	1.5	1.5	10.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14 ##	0.327	0.555	1.362	0.176	0.22	0.469	0.176	0.176	1.01	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.588								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	14	0.	0.029	0.3	0.	0.006	0.08	0.	0.	0.015	0.185
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	14	0.305	0.847	4.7	0.	1.579	1.257	0.	0.12	1.345	3.27

** - Less than 9 observations ## - Computed with 50% or 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 COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	4.	15.4	93.	1.5	779.989	27.928	1.5	3.375	16.25	85.7
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.602	0.805	1.968	0.176	0.299	0.547	0.176	0.496	1.207	1.902
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.384								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	2.25	9.25	43.	1.5	160.068	12.652	1.5	1.5	13.5	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	0.327	0.634	1.633	0.176	0.301	0.549	0.176	0.176	1.121	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.31								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	2.75	4.5	15.	1.5	18.682	4.322	1.5	1.5	7.75	13.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	0.389	0.496	1.176	0.176	0.139	0.373	0.176	0.176	0.866	1.11
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.13								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	4.	8.55	23.	1.5	63.469	7.967	1.75	4.	12.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.602	0.782	1.362	0.176	0.14	0.374	0.219	0.602	1.056	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.051								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	4.	6.714	23.	1.5	57.821	7.604	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	0.602	0.639	1.362	0.176	0.176	0.419	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.357								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.075	0.62	0.	0.035	0.188	0.	0.	0.008	0.515
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

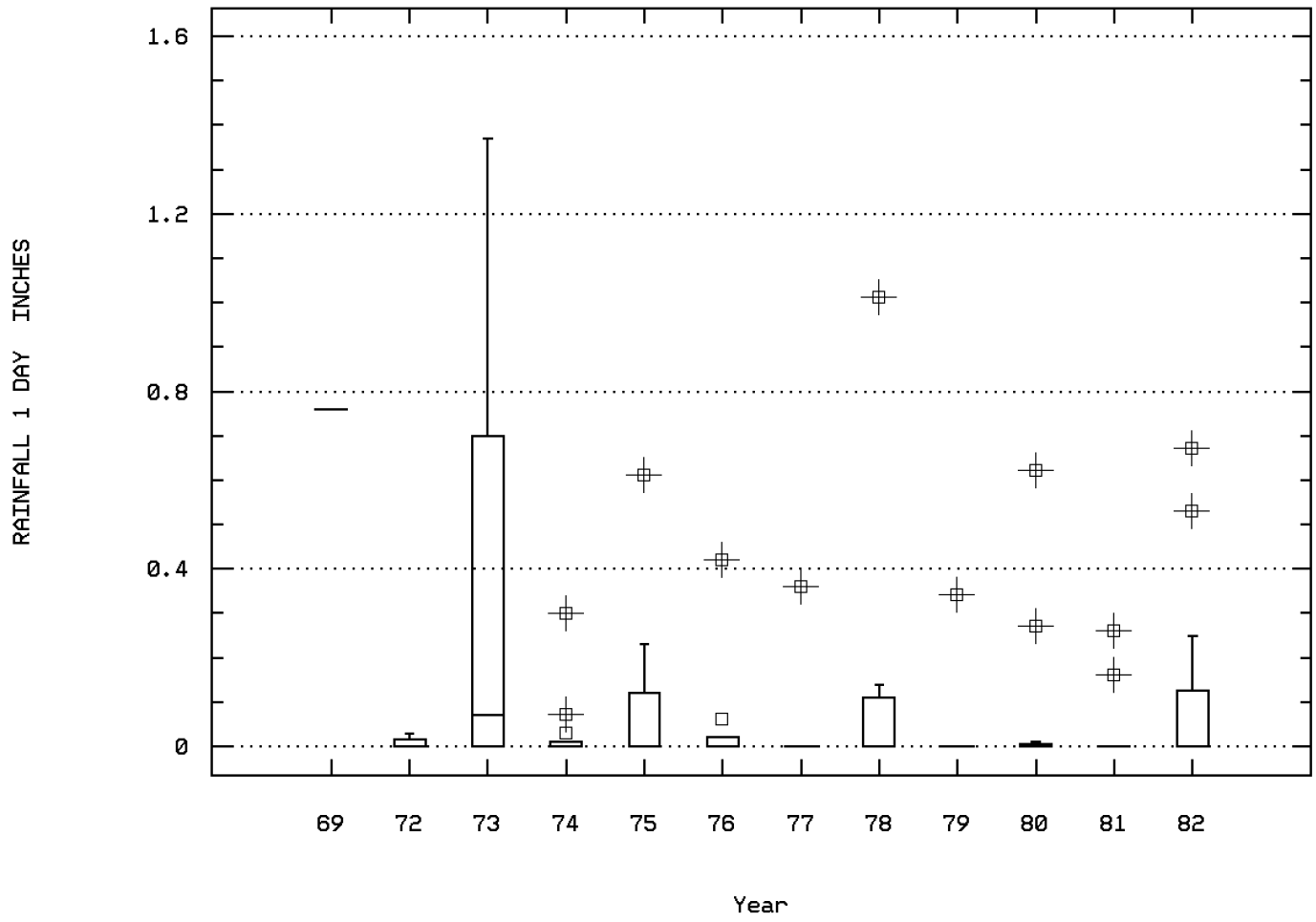
Annual Analysis for 1982 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00171 Parameter Code: 82553

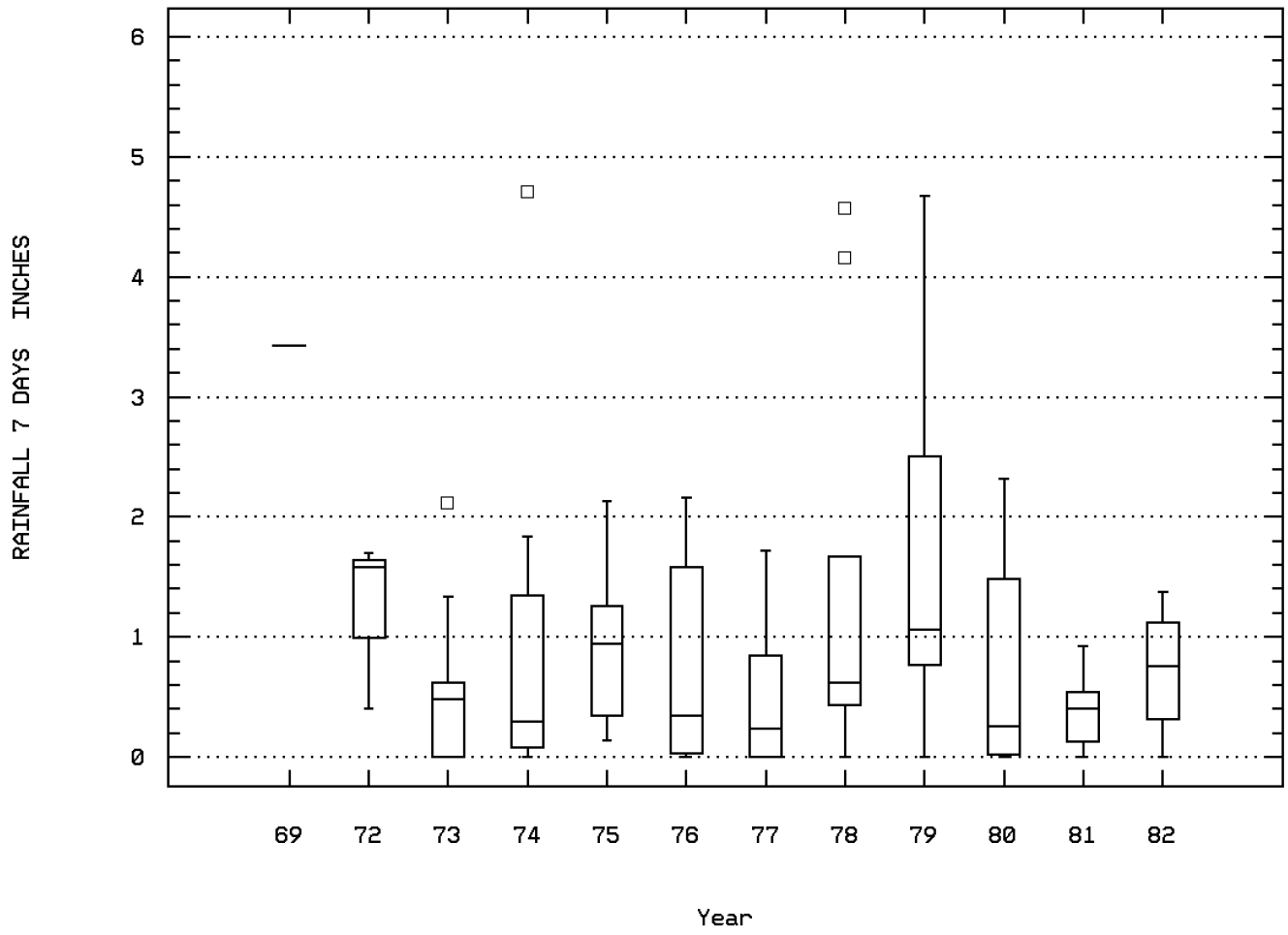
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00171 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	19	4.	7.395	23.	1.5	48.933	6.995	1.5	1.5	15.	20.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	19	0.602	0.662	1.362	0.176	0.202	0.45	0.176	0.176	1.176	1.301
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.587								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	28	0.	0.14	0.82	0.	0.066	0.258	0.	0.	0.223	0.679
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	28	0.76	1.257	4.7	0.	2.122	1.457	0.	0.058	1.788	4.58

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	31	4.	6.323	23.	1.5	59.509	7.714	1.5	1.5	7.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	31	0.602	0.559	1.362	0.176	0.19	0.436	0.176	0.176	0.845	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.62								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	44	0.	0.059	1.01	0.	0.036	0.19	0.	0.	0.	0.205
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	44	0.565	0.733	2.5	0.	0.449	0.67	0.	0.16	1.21	1.685

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	31	4.	10.839	93.	1.5	317.656	17.823	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	31	0.602	0.721	1.968	0.176	0.248	0.498	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.257								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	43	0.	0.121	1.37	0.	0.08	0.283	0.	0.	0.1	0.486
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	43	0.43	0.745	4.15	0.	0.722	0.85	0.	0.18	1.07	1.91

** - 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

Station Inventory for Station: COLO0172

NPS Station ID: COLO0172 LAT/LON: 37.258892/ -76.534171 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05116
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 8.480 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.27 RF3 Mile Point: 2.26 Distance from RF3: 0.37 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/22/81-01/22/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	01/22/81-01/22/81	1	24.7	24.7	24.7	24.7	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	80	4.	8.006	93.	1.5	170.421	13.055	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	80	0.602	0.609	1.968	0.176	0.215	0.463	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.06								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	8.829	43.	1.5	181.774	13.482	1.5	1.5	9.1	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.595	1.633	0.176	0.258	0.508	0.176	0.176	0.959	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.935								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	114	0.	0.104	1.37	0.	0.06	0.246	0.	0.	0.035	0.39
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	114	0.545	0.864	4.7	0.	0.999	1.	0.	0.138	1.295	2.04

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: COLO0172

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	80	0	0.00	20	0	0.00	30	0	0.00	30	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	9.	11.25	23.	4.	66.917	8.18	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	0.954	0.968	1.362	0.602	0.096	0.311	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.291								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	1.5	6.4	43.	1.5	166.767	12.914	1.5	1.5	4.	39.1
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	0.176	0.45	1.633	0.176	0.213	0.462	0.176	0.176	0.602	1.53
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.816								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13 ##	1.5	12.5	93.	1.5	629.875	25.097	1.5	1.5	12.	65.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13 ##	0.176	0.625	1.968	0.176	0.358	0.599	0.176	0.176	1.065	1.726
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.217								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	4.	5.2	21.	1.5	36.067	6.006	1.5	1.5	5.25	19.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.602	0.539	1.322	0.176	0.148	0.384	0.176	0.176	0.69	1.285
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.459								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	1.5	3.708	23.	1.5	37.839	6.151	1.5	1.5	3.375	17.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	0.176	0.346	1.362	0.176	0.129	0.36	0.176	0.176	0.496	1.134
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.218								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	4.	3.583	9.	1.5	4.356	2.087	1.5	1.5	4.	7.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.602	0.489	0.954	0.176	0.063	0.252	0.176	0.176	0.602	0.849
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.086								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.037	0.36	0.	0.012	0.108	0.	0.	0.	0.298
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.01	0.405	1.72	0.	0.39	0.624	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	17.5	16.8	43.	1.5	157.456	12.548	1.5	7.125	23.	41.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	1.234	1.045	1.633	0.176	0.251	0.501	0.176	0.76	1.362	1.606
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.086								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	4.	4.929	9.	1.5	8.536	2.922	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	0.602	0.624	0.954	0.176	0.074	0.271	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.207								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.075	0.62	0.	0.035	0.188	0.	0.	0.008	0.515
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

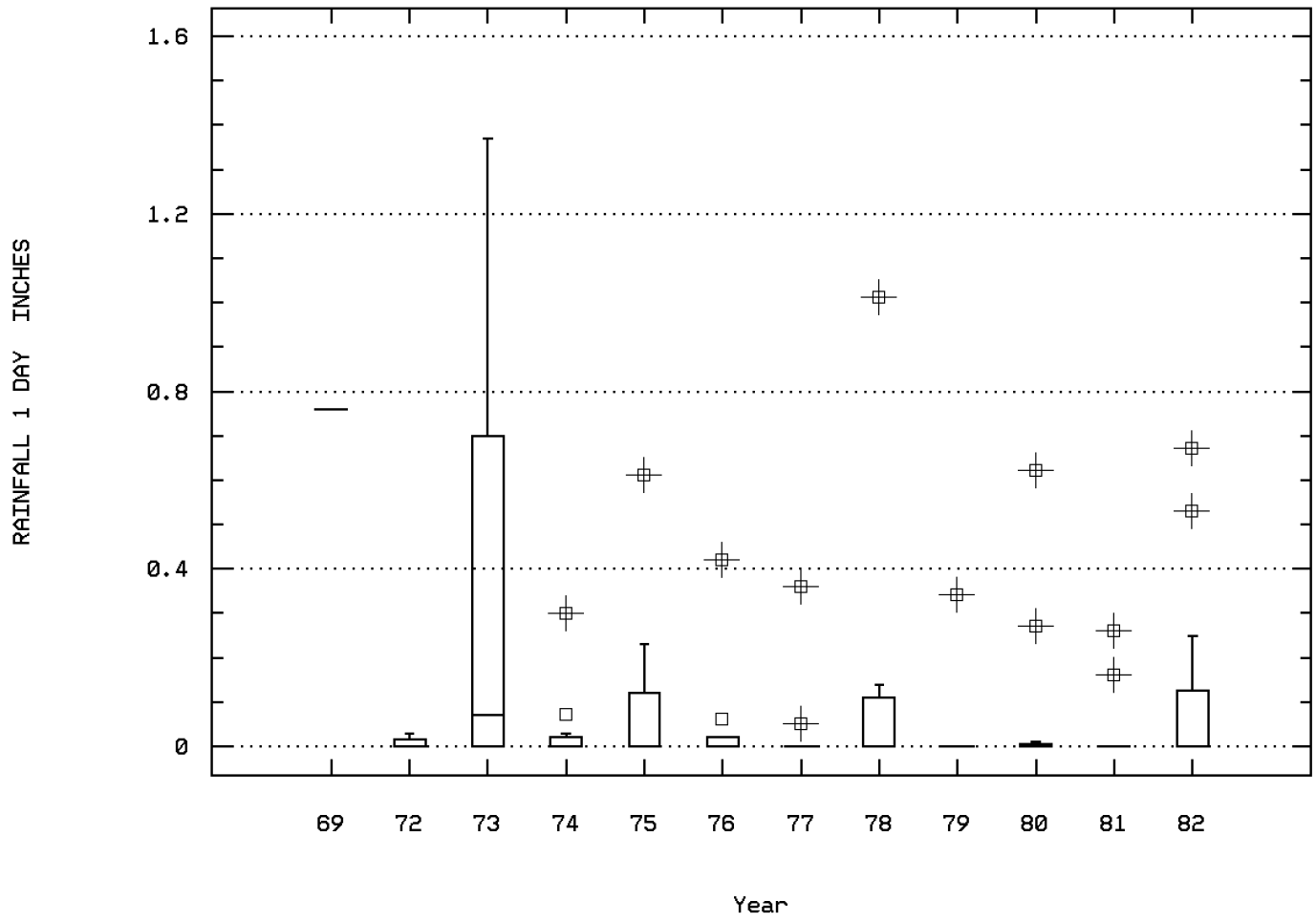
Annual Analysis for 1982 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00172 Parameter Code: 82553

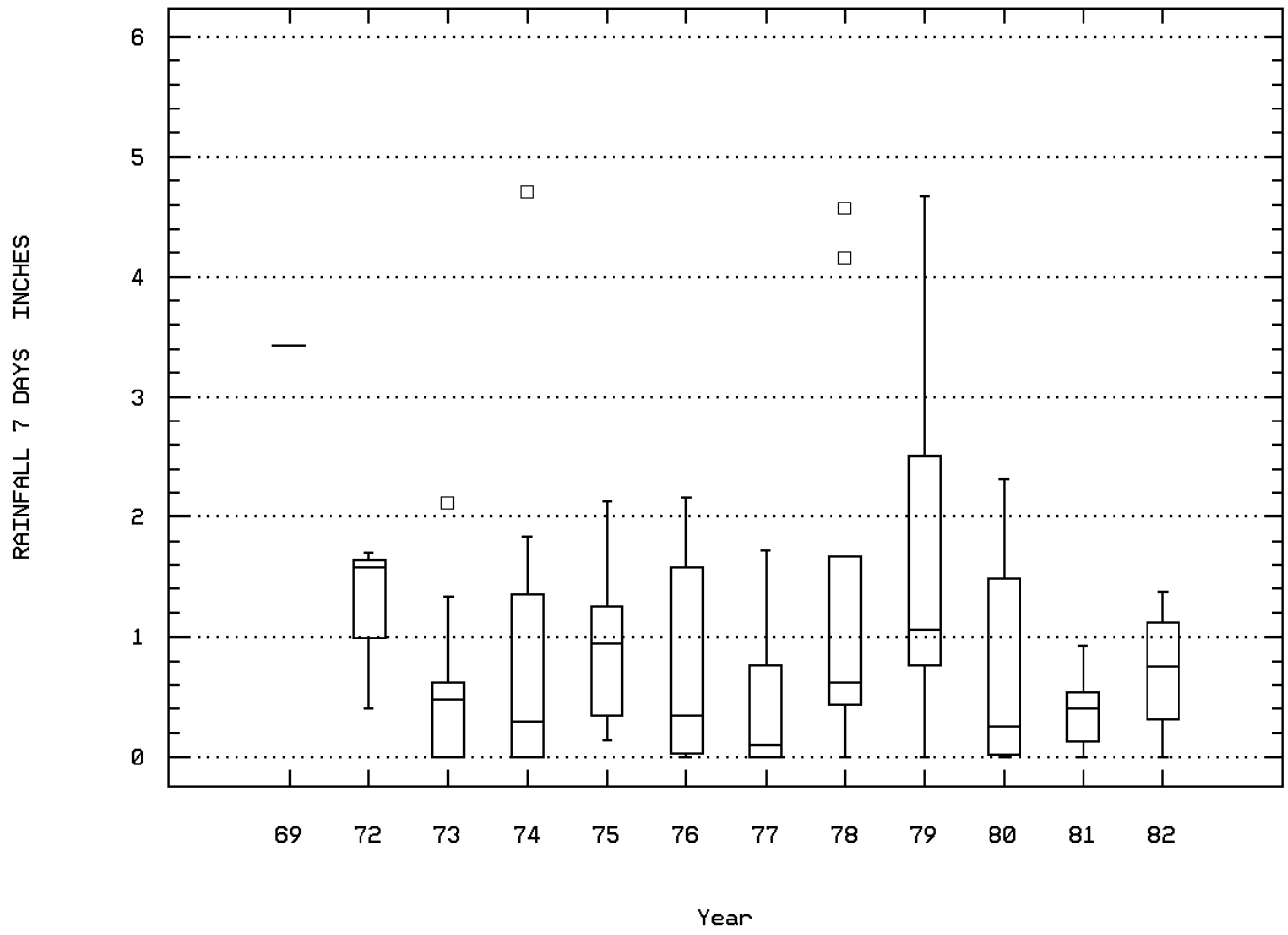
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00172 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	20	4.	8.175	43.	1.5	122.323	11.06	1.5	1.5	7.75	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	20	0.602	0.636	1.633	0.176	0.219	0.468	0.176	0.176	0.866	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.326								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.	0.137	0.82	0.	0.064	0.254	0.	0.	0.185	0.67
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.72	1.214	4.7	0.	2.099	1.449	0.	0.025	1.765	4.57

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	3.5	7.05	23.	1.5	58.282	7.634	1.5	1.5	9.	22.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	0.54	0.61	1.362	0.176	0.209	0.458	0.176	0.176	0.954	1.358
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.073								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	43	0.	0.06	1.01	0.	0.037	0.192	0.	0.	0.	0.214
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	43	0.55	0.731	2.5	0.	0.46	0.678	0.	0.16	1.26	1.688

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	4.	8.85	93.	1.5	324.123	18.003	1.5	1.5	9.	22.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	0.602	0.589	1.968	0.176	0.231	0.48	0.176	0.176	0.954	1.343
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.88								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.	0.124	1.37	0.	0.082	0.286	0.	0.	0.105	0.497
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.435	0.757	4.15	0.	0.732	0.856	0.	0.143	1.12	1.965

** - Less than 9 observations ## - Computed 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: COLO0173

NPS Station ID: COLO0173 LAT/LON: 37.260281/ -76.537503 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05117
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 8.880 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.36 RF3 Mile Point: 2.35 Distance from RF3: 0.43 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/72-07/06/72	1	23.3	23.3	23.3	23.3	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	07/06/72-07/06/72	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	71	4.	23.085	1100.	1.5	16985.	130.327	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	71	0.602	0.62	3.041	0.176	0.289	0.538	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.168								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	7.746	93.	1.5	243.689	15.611	1.5	1.5	9.1	11.46
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.583	1.968	0.176	0.212	0.46	0.176	0.176	0.959	1.046
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.824								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	106	0.	0.109	1.37	0.	0.065	0.254	0.	0.	0.035	0.554
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	106	0.545	0.893	4.7	0.	1.028	1.014	0.	0.168	1.34	2.012

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0173

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	71	1	0.01	23	0	0.00	26	1	0.04	22	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1972 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	4.	11.45	43.	1.5	192.414	13.871	1.5	1.5	23.	41.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.602	0.765	1.633	0.176	0.291	0.54	0.176	0.176	1.362	1.606
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.815								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.16	0.91	0.	0.112	0.335	0.	0.	0.188	0.885
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.605	1.333	1.89	0.33	0.313	0.56	0.337	0.835	1.64	1.871

** - Less than 9 observations ## - Computed with 50% or 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 COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	4.	12.05	93.	1.5	810.303	28.466	1.5	1.5	4.	84.1
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.602	0.598	1.968	0.176	0.27	0.519	0.176	0.176	0.602	1.832
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.967								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14 ##	2.75	6.893	23.	1.5	57.584	7.588	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14 ##	0.389	0.598	1.362	0.176	0.225	0.474	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.965								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	14	0.	0.029	0.3	0.	0.006	0.08	0.	0.	0.015	0.185
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	14	0.305	0.847	4.7	0.	1.579	1.257	0.	0.12	1.345	3.27

** - Less than 9 observations ## - Computed with 50% or 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 COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	2.25	3.65	9.	1.5	9.003	3.	1.5	1.5	5.25	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	0.327	0.447	0.954	0.176	0.103	0.322	0.176	0.176	0.69	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.799								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4 ##	2.75	2.75	4.	1.5	2.083	1.443	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4 ##	0.389	0.389	0.602	0.176	0.06	0.246	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.449								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.13	0.15	0.34	0.	0.02	0.143	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	5 ##	1.5	2.	4.	1.5	1.25	1.118	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	5 ##	0.176	0.261	0.602	0.176	0.036	0.19	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.825								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.	0.01	0.05	0.	0.001	0.022	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.01	0.404	1.72	0.	0.557	0.746	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	9	9.	130.	1100.	1.5	132391.125	363.856	1.5	1.5	23.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	9	0.954	0.931	3.041	0.176	0.888	0.942	0.176	0.176	1.362	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.528								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.039	0.14	0.	0.004	0.059	0.	0.	0.105	0.14
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.52	1.317	4.57	0.	3.081	1.755	0.	0.215	2.555	4.57

** - 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 1979 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	4.	9.571	43.	1.5	223.536	14.951	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	0.602	0.678	1.633	0.176	0.252	0.502	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.764								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.079	0.67	0.	0.041	0.202	0.	0.	0.008	0.55
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.26	0.724	2.32	0.	0.737	0.858	0.003	0.023	1.593	2.215

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	23	4.	10.457	93.	1.5	423.816	20.587	1.5	1.5	9.	35.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	23	0.602	0.599	1.968	0.176	0.288	0.536	0.176	0.176	0.954	1.525
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.974								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	32	0.	0.172	0.91	0.	0.086	0.293	0.	0.	0.268	0.733
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	32	0.89	1.259	4.7	0.	1.895	1.377	0.	0.165	1.715	4.228

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	26	3.5	47.192	1100.	1.5	46144.362	214.812	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	26	0.54	0.607	3.041	0.176	0.392	0.626	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.047								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	39	0.	0.041	0.7	0.	0.016	0.128	0.	0.	0.	0.16
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	39	0.5	0.709	2.5	0.	0.483	0.695	0.	0.13	1.26	1.7

** - 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 #3: 3/01 to 6/30 - Station COLO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	22	4.	7.795	43.	1.5	99.801	9.99	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	22	0.602	0.657	1.633	0.176	0.193	0.44	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.538								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	35	0.	0.128	1.37	0.	0.094	0.306	0.	0.	0.1	0.586
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	35	0.44	0.764	4.15	0.	0.727	0.852	0.	0.29	1.06	1.746

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0174

NPS Station ID: COLO0174 LAT/LON: 37.261670/ -76.581116 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05139
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080107028000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.09 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-01/08/80	15	43.	86.333	240.	4.	7681.095	87.642	7.	15.	150.	240.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-01/08/80	15	1.633	1.68	2.38	0.602	0.291	0.54	0.813	1.176	2.176	2.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			47.908								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-06/23/81	5	9.1	232.54	1100.	1.5	235410.653	485.191	**	**	**	**
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-06/23/81	5	0.959	1.354	3.041	0.176	1.156	1.075	**	**	**	**
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			22.584								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	12/15/77-06/23/81	20	0.	0.136	1.01	0.	0.095	0.309	0.	0.	0.108	0.934
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	12/15/77-06/23/81	20	0.78	1.195	4.67	0.	1.705	1.306	0.	0.325	1.625	3.985

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0174

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	15	3	0.20	2	1	0.50	6	0	0.00	7	2	0.29			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0175

NPS Station ID: COLO0175
Location: 57G 27
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206079800.00
Description:

LAT/LON: 37.261949/ -76.742781
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 0.66

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371543076443401
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.80
Distance from RF3: 0.13

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-12/19/77	2	11.	11.	17.	5.	72.	8.485	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-12/19/77	2	3.5	3.5	7.	0.	24.5	4.95	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-12/19/77	2	235.5	235.5	251.	220.	480.5	21.92	**	**	**	**
00400	PH (STANDARD UNITS)	08/11/77-12/19/77	2	5.35	5.35	5.6	5.1	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/11/77-12/19/77	2	5.282	5.282	5.6	5.1	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/77-12/19/77	2	5.228	5.228	7.943	2.512	14.75	3.841	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	2	110.	110.	110.	110.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-12/19/77	2	140.	140.	140.	140.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-12/19/77	2	0.21	0.21	0.25	0.17	0.003	0.057	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-12/19/77	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-12/19/77	2	0.075	0.075	0.09	0.06	0.	0.021	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-12/19/77	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-12/19/77	2	115.	115.	120.	110.	50.	7.071	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-12/19/77	2	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-12/19/77	2	45.	45.	46.	44.	2.	1.414	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-12/19/77	2	0.8	0.8	0.9	0.7	0.02	0.141	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-12/19/77	2	7.65	7.65	11.	4.3	22.445	4.738	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/11/77-12/19/77	2	0.35	0.35	0.5	0.2	0.045	0.212	**	**	**	**
00932	SODIUM, PERCENT	08/11/77-12/19/77	2	12.	12.	17.	7.	50.	7.071	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-12/19/77	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-12/19/77	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-12/19/77	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-12/19/77	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-12/19/77	2	17.	17.	18.	16.	2.	1.414	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-12/19/77	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-12/19/77	2	147.5	147.5	151.	144.	24.5	4.95	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-12/19/77	2	152.5	152.5	159.	146.	84.5	9.192	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-12/19/77	2	0.205	0.205	0.21	0.2	0.	0.007	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-12/19/77	2	0.95	0.95	1.1	0.8	0.045	0.212	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-12/19/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/11/77-12/19/77	2	85.	85.	85.	85.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	2	75.	75.	75.	75.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-12/19/77	2	85.	85.	85.	85.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0175

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0176

NPS Station ID: COLO0176
Location: 57G 26
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080206
Major Basin: C
Minor Basin:
RF1 Index: 02080206
RF3 Index: 02080206178403.40
Description:

LAT/LON: 37.261949/ -76.742781

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 4.72

Agency: 112WRD
FIPS State/County: 51095 VIRGINIA/JAMES CITY
STORET Station ID(s): 371543076443402
Within Park Boundary: No

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 18.60
Distance from RF3: 0.45

Date Created: 04/14/78

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/77-06/01/78	3	18.	14.	19.	5.	61.	7.81	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/11/77-06/01/78	3	5.	6.333	11.	3.	17.333	4.163	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/11/77-06/01/78	3	703.	663.667	745.	543.	11361.333	106.59	**	**	**	**
00400	PH (STANDARD UNITS)	08/11/77-06/01/78	3	6.5	6.7	7.4	6.2	0.39	0.624	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/11/77-06/01/78	3	6.5	6.483	7.4	6.2	0.461	0.679	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/77-06/01/78	3	0.316	0.329	0.631	0.04	0.087	0.296	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/01/78-06/01/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/11/77-06/01/78	3	220.	216.667	230.	200.	233.333	15.275	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/11/77-06/01/78	3	270.	263.333	280.	240.	433.333	20.817	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/11/77-06/01/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-06/01/78	3	0.06	0.077	0.16	0.01	0.006	0.076	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/11/77-06/01/78	3	0.21	0.217	0.3	0.14	0.006	0.08	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/11/77-06/01/78	3	0.3	0.3	0.4	0.2	0.01	0.1	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/11/77-06/01/78	3	0.03	0.03	0.06	0.	0.001	0.03	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/11/77-06/01/78	3	0.01	0.012	0.02	0.005	0.	0.008	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/01/78-06/01/78	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	06/01/78-06/01/78	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/77-06/01/78	3	43.	49.333	64.	41.	162.333	12.741	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/11/77-06/01/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/11/77-06/01/78	3	10.	13.367	21.	9.1	43.903	6.626	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/11/77-06/01/78	3	4.3	3.867	4.4	2.9	0.703	0.839	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/11/77-06/01/78	3	140.	126.667	140.	100.	533.333	23.094	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/11/77-06/01/78	3	9.3	8.067	9.5	5.4	5.343	2.312	**	**	**	**
00932	SODIUM, PERCENT	08/11/77-06/01/78	3	84.	81.	85.	74.	37.	6.083	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/11/77-06/01/78	3	11.	11.	13.	9.	4.	2.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/11/77-06/01/78	3	78.	70.667	78.	56.	161.333	12.702	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/11/77-06/01/78	3	13.	11.333	14.	7.	14.333	3.786	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/11/77-06/01/78	3	1.	0.9	1.	0.7	0.03	0.173	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/11/77-06/01/78	3	32.	33.	37.	30.	13.	3.606	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/11/77-06/01/78	3	30.	21.667	30.	5.	208.333	14.434	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/11/77-06/01/78	3	425.	397.333	427.	340.	2466.333	49.662	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/11/77-06/01/78	3	429.	401.667	431.	345.	2409.333	49.085	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/11/77-06/01/78	3	0.58	0.54	0.58	0.46	0.005	0.069	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/11/77-06/01/78	3	0.9	0.933	1.3	0.6	0.123	0.351	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/11/77-06/01/78	3	0.2	0.253	0.53	0.03	0.065	0.254	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/11/77-12/19/77	2	280.	280.	280.	280.	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-06/01/78	3	270.	270.	270.	270.	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	08/11/77-06/01/78	3	280.	280.	280.	280.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	2	0.67	1	1	1.00	1	1	1.00	1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0177

NPS Station ID: COLO0177
Location: FELGATES CREEK BELOW DIS 004
Station Type: /TYPA/IND/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER DISCHARGE TO
RF1 Index: 02080107004
RF3 Index: 02080107025700.00
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.262226/ -76.581670
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 12.620
RF3 Mile Point: 0.00

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK DIS 005
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.12

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0177

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0178

NPS Station ID: COLO0178
Location: FELGATES CREEK BELOW DIS 003
Station Type: /TYPA/IND/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER DISCHARGE TO
RF1 Index: 02080107004
RF3 Index: 02080107028000.19
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.264726/ -76.579170
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 12.510
RF3 Mile Point: 0.68

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK DIS 004
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.07

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0178

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0179

NPS Station ID: COLO0179
Location: FELGATES CREEK
Station Type: /TYPA/IND/NTRTMT/OUTFL/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER DISCHARGE TO
RF1 Index: 02080107004
RF3 Index: 02080107028002.98
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.265559/ -76.580003
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 12.510
RF3 Mile Point: 3.37

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): YORK DIS 003
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.04

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0179

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0180

NPS Station ID: COLO0180 LAT/LON: 37.265837/ -76.559170 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05122
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 11.440 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.36 RF3 Mile Point: 2.35 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	43	9.	43.895	1100.	1.5	27641.971	166.259	1.5	4.	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	43	0.954	1.061	3.041	0.176	0.343	0.586	0.176	0.602	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.497								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-11/22/82	15	9.1	26.92	120.	1.5	1328.549	36.449	1.5	1.5	43.	103.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-11/22/82	15	0.959	0.963	2.079	0.176	0.517	0.719	0.176	0.176	1.633	2.013
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.173								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	58	0.	0.122	1.37	0.	0.084	0.291	0.	0.	0.038	0.547
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	58	0.51	0.804	4.67	0.	0.978	0.989	0.	0.083	1.063	1.861

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0180

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	43	1	0.02	11	1	0.09	16	0	0.00	16	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	15.	115.455	1100.	1.5	106850.423	326.88	1.5	4.	43.	888.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	1.176	1.178	3.041	0.176	0.645	0.803	0.176	0.602	1.633	2.76
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.077								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	13	0.	0.118	0.76	0.	0.05	0.223	0.	0.	0.185	0.592
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	13	0.72	1.215	4.67	0.	2.065	1.437	0.	0.085	1.765	4.174

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	16	9.	21.125	93.	1.5	902.083	30.035	1.5	4.	23.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	16	0.954	0.981	1.968	0.176	0.31	0.557	0.176	0.602	1.362	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.578								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	23	0.	0.087	1.01	0.	0.064	0.252	0.	0.	0.	0.52
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	23	0.5	0.619	2.5	0.	0.5	0.707	0.	0.	0.9	2.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	16	14.5	17.469	43.	1.5	208.649	14.445	3.25	4.	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	16	1.128	1.059	1.633	0.176	0.203	0.451	0.474	0.602	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.455								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	22	0.	0.16	1.37	0.	0.131	0.362	0.	0.	0.11	0.859
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-11/22/82	22	0.485	0.756	4.15	0.	0.805	0.897	0.	0.22	1.063	1.448

** - Less than 9 observations ## - Computed 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: COLO0181

NPS Station ID: COLO0181
LAT/LON: 37.266115/ -76.623337
Agency: 21VASWCB
Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BSS05135
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
0
ECO Region:
RF1 Index: 02080107
RF1 Mile Point: 0.000
Distance from RF1: 15.30
On/Off RF1:
RF3 Index: 02080107027902.54
RF3 Mile Point: 2.53
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0181

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0182

NPS Station ID: COLO0182 LAT/LON: 37.266670/ -76.585004 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05138
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 12.620 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107028000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.05 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	05/29/75-10/27/75	6	13.25	13.183	17.7	8.5	8.786	2.964	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	59	23.	51.898	460.	1.5	8236.033	90.753	1.5	4.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	59	1.362	1.269	2.663	0.176	0.433	0.658	0.176	0.602	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.599								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	22	16.05	31.927	240.	1.5	2814.177	53.049	1.5	1.5	43.	87.6
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	22	1.16	1.003	2.38	0.176	0.528	0.726	0.176	0.176	1.633	1.94
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.068								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	14 ##	7.5	26.786	150.	5.	1702.335	41.259	5.	5.	32.5	115.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	14 ##	0.849	1.097	2.176	0.699	0.26	0.51	0.699	0.699	1.508	2.04
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			12.491								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-03/30/78	23 ##	1.5	12.652	93.	1.5	717.101	26.779	1.5	1.5	7.	73.
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/20/73-03/30/78	23 ##	0.176	0.579	1.968	0.176	0.331	0.575	0.176	0.176	0.845	1.834
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			3.795								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	81	0.	0.112	1.37	0.	0.07	0.265	0.	0.	0.065	0.492
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	81	0.62	0.929	4.7	0.	1.081	1.04	0.	0.265	1.27	2.126

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0182

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	59	4	0.07	12	3	0.25	25	1	0.04	22	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	2	23.	23.	23.	23.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	2	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	2	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	2	1.64	1.64	1.7	1.58	0.007	0.085	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	9	15.	18.444	39.	1.5	286.465	16.925	1.5	2.75	39.	39.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	9	1.176	0.985	1.591	0.176	0.36	0.6	0.176	0.389	1.591	1.591
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.666								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.12	0.362	1.37	0.	0.241	0.491	0.	0.	0.76	1.37
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.54	0.66	2.11	0.	0.453	0.673	0.	0.165	0.98	2.11

** - 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 1974 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	31.	38.417	93.	1.5	1350.402	36.748	1.5	4.	75.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	1.476	1.232	1.968	0.176	0.484	0.695	0.176	0.602	1.875	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.06								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.	0.034	0.3	0.	0.007	0.086	0.	0.	0.025	0.231
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.305	0.835	4.7	0.	1.712	1.308	0.	0.175	1.255	3.698

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	15	43.	79.2	460.	1.5	14655.136	121.058	1.5	9.	93.	310.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	15	1.633	1.433	2.663	0.176	0.555	0.745	0.176	0.954	1.968	2.458
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			27.086								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	15	0.	0.068	0.61	0.	0.027	0.163	0.	0.	0.06	0.382
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	15	1.	1.032	2.82	0.11	0.532	0.729	0.128	0.53	1.38	2.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	3	9.	9.	15.	3.	36.	6.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	3	0.954	0.869	1.176	0.477	0.128	0.357	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.399								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	3	0.	0.007	0.02	0.	0.	0.012	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	3	0.16	0.2	0.34	0.1	0.016	0.125	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	93.	93.	93.	93.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	1.968	1.968	1.968	1.968	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			93.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	1	0.79	0.79	0.79	0.79	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	10	9.	39.5	240.	4.	5434.056	73.716	4.	4.	36.	223.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	10	0.954	1.13	2.38	0.602	0.378	0.615	0.602	0.602	1.49	2.33
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			13.476								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	6	33.	107.167	460.	4.	30826.967	175.576	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	6	1.498	1.588	2.663	0.602	0.482	0.694	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			38.748								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	8	0.	0.168	1.	0.	0.127	0.357	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	8	1.015	1.501	4.67	0.	2.173	1.474	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	1.633	1.633	1.633	1.633	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			43.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	2	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	2	1.275	1.275	2.32	0.23	2.184	1.478	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	8	0.	0.02	0.16	0.	0.003	0.057	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	8	0.35	0.491	1.38	0.	0.247	0.497	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	41.	109.125	460.	1.5	18775.006	137.022	2.25	23.	195.	394.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	1.612	1.633	2.663	0.176	0.537	0.733	0.304	1.362	2.286	2.578
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			42.967								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	17	0.	0.152	0.82	0.	0.077	0.277	0.	0.	0.225	0.7
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	17	0.8	1.515	4.7	0.	2.792	1.671	0.016	0.19	2.465	4.676

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	25	15.	41.88	460.	1.5	8361.318	91.44	1.5	4.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	25	1.176	1.109	2.663	0.176	0.461	0.679	0.176	0.602	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			12.861								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	36	0.	0.074	1.01	0.	0.043	0.208	0.	0.	0.018	0.265
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	36	0.565	0.761	2.5	0.	0.454	0.674	0.	0.16	1.32	1.679

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	22	21.5	32.068	93.	1.5	954.007	30.887	4.	7.75	51.	87.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	22	1.331	1.253	1.968	0.176	0.282	0.531	0.602	0.866	1.694	1.94
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.915								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	28	0.	0.136	1.37	0.	0.103	0.322	0.	0.	0.115	0.577
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	28	0.535	0.789	4.15	0.	0.685	0.828	0.	0.3	1.038	1.554

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0183

NPS Station ID: COLO0183
LAT/LON: 37.267781/ -76.617781
Agency: 21VASWCB
Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BSS05134
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
0
ECO Region:
RF1 Index: 02080107
RF1 Mile Point: 0.000
Distance from RF1: 11.50
On/Off RF1:
RF3 Index: 02080107025300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0183

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0184

NPS Station ID: COLO0184
Location: CREEK AT COLONIAL PARKWAY
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER INDIAN FIELD
RF1 Index: 02080107004
RF3 Index: 02080107000802.27
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.268616/ -76.555838
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 11.440
RF3 Mile Point: 2.26

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): IND 001 /INDIAN 1 /FIELD CREEK
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.10

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0185

NPS Station ID: COLO0185 LAT/LON: 37.268616/ -76.557227 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05121
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 11.440 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.27 RF3 Mile Point: 2.26 Distance from RF3: 0.14 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/71-06/30/71	1	27.8	27.8	27.8	27.8	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	06/30/71-06/30/71	1	22.1	22.1	22.1	22.1	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	82	4.	30.933	1100.	1.5	15321.9	123.782	1.5	1.5	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	82	0.602	0.861	3.041	0.176	0.402	0.634	0.176	0.176	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.265								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	31	3.6	11.361	43.	1.5	204.339	14.295	1.5	1.5	23.	42.2
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	31	0.556	0.699	1.633	0.176	0.325	0.57	0.176	0.176	1.362	1.625
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.998								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-04/13/82	20 ##	5.	81.5	1230.	5.	74292.368	272.566	5.	5.	35.	142.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-04/13/82	20 ##	0.699	1.1	3.09	0.699	0.43	0.656	0.699	0.699	1.527	2.143
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			12.595								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	01/24/73-03/30/78	33 ##	1.5	2.955	23.	1.5	19.49	4.415	1.5	1.5	1.5	5.8
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	01/24/73-03/30/78	33 ##	0.176	0.301	1.362	0.176	0.09	0.3	0.176	0.176	0.176	0.748
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			2.001								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	112	0.	0.111	1.37	0.	0.067	0.26	0.	0.	0.03	0.497
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	112	0.605	0.902	4.7	0.	1.005	1.003	0.	0.16	1.34	2.068

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0185

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	82	2	0.02	21	1	0.05	30	1	0.03	31	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1971 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	6	19.	20.5	43.	1.5	321.4	17.928	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	6	1.269	1.019	1.633	0.176	0.454	0.673	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.449								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	6	0.015	0.267	0.91	0.	0.168	0.409	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	6	1.585	1.357	1.89	0.4	0.313	0.559	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	11.	36.1	240.	1.5	5308.711	72.861	1.5	2.625	28.	220.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	1.011	1.019	2.38	0.176	0.49	0.7	0.176	0.402	1.43	2.306
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.446								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	4.	99.958	1100.	1.5	99334.839	315.174	1.5	1.5	19.5	782.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.602	0.836	3.041	0.176	0.736	0.858	0.176	0.176	1.26	2.619
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.852								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.034	0.3	0.	0.007	0.086	0.	0.	0.025	0.231
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.325	0.97	4.7	0.	1.749	1.323	0.	0.193	1.355	3.842

** - Less than 9 observations ## - Computed with 50% or 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 COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	6.5	10.15	39.	1.5	144.614	12.026	1.5	1.5	12.5	37.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.778	0.755	1.591	0.176	0.249	0.499	0.176	0.176	1.056	1.568
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.686								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	4.	11.042	43.	1.5	258.112	16.066	1.5	1.5	18.25	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.602	0.66	1.633	0.176	0.325	0.57	0.176	0.176	1.172	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.569								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	6.5	17.083	93.	1.5	712.402	26.691	1.5	4.	19.5	78.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.778	0.882	1.968	0.176	0.3	0.548	0.176	0.602	1.26	1.868
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.625								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	9.	18.65	93.	1.5	834.503	28.888	1.5	1.5	22.	88.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.954	0.877	1.968	0.176	0.38	0.616	0.176	0.176	1.29	1.935
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.535								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	15.	29.071	93.	1.5	1115.036	33.392	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	1.176	1.113	1.968	0.176	0.446	0.668	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			12.975								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	21.	21.	21.	21.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.322	1.322	1.322	1.322	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			21.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.028	0.27	0.	0.007	0.085	0.	0.	0.003	0.244
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.485	0.849	2.32	0.	0.795	0.892	0.001	0.018	1.768	2.285

** - 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 box-and-whisker plot

Annual Analysis for 1981 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.018	0.16	0.	0.003	0.053	0.	0.	0.	0.16
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.41	0.486	1.38	0.	0.216	0.465	0.	0.065	0.86	1.38

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

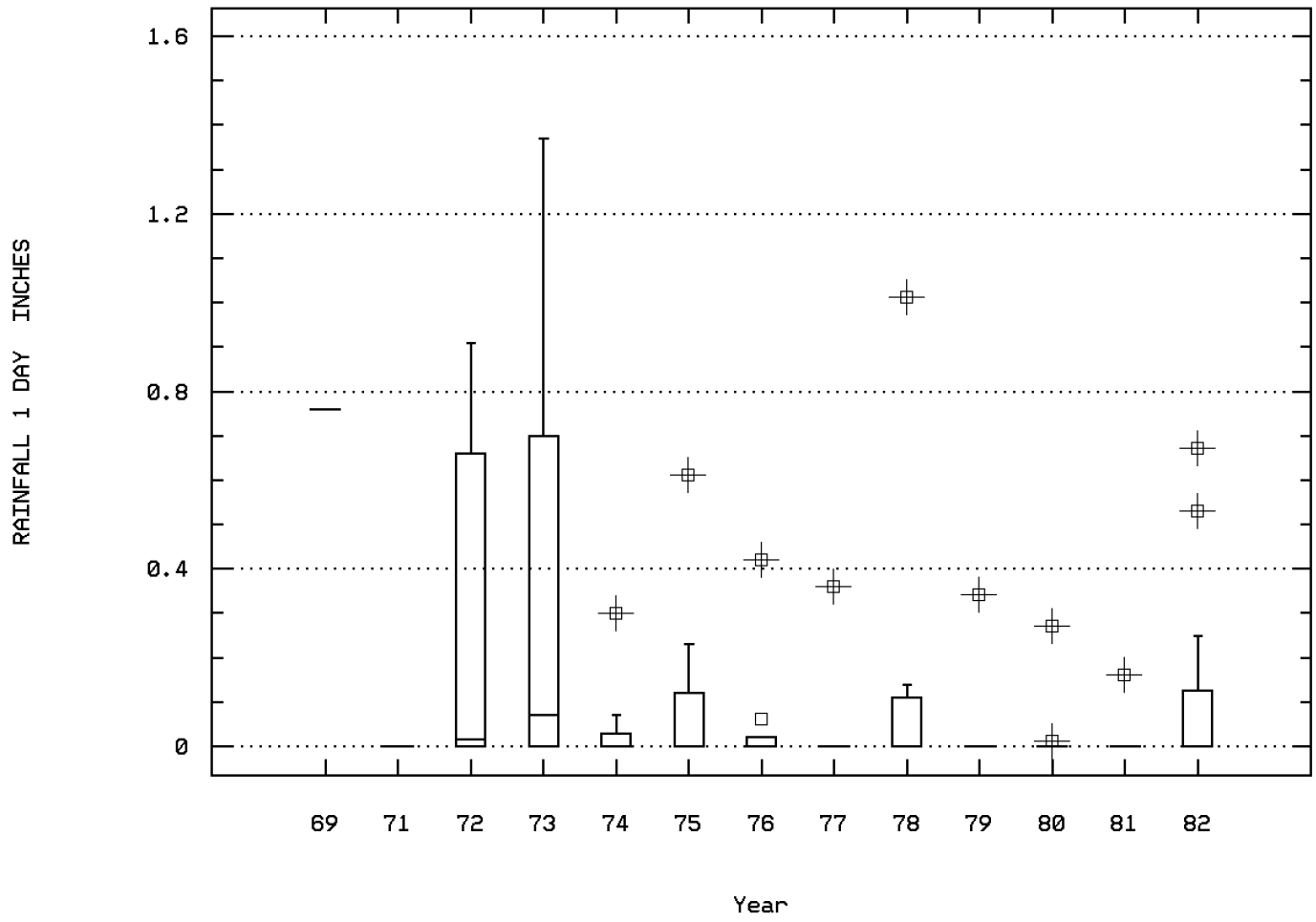
Annual Analysis for 1982 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00185 Parameter Code: 82553

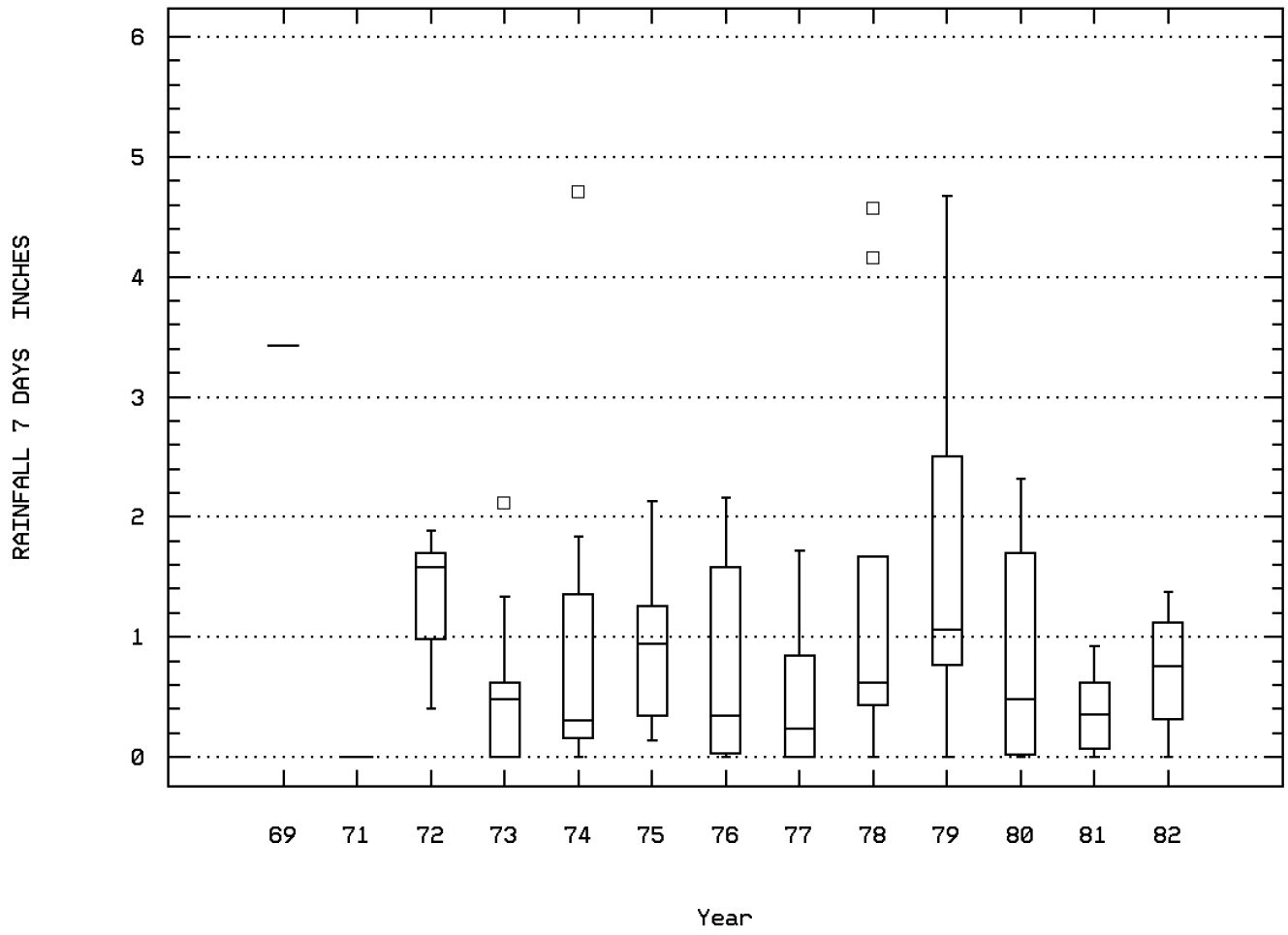
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00185 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	21	9.	31.905	240.	1.5	2844.415	53.333	1.5	1.5	43.	83.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	21	0.954	1.023	2.38	0.176	0.501	0.708	0.176	0.176	1.633	1.901
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.555								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.	0.181	0.91	0.	0.093	0.304	0.	0.	0.305	0.76
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	29	0.98	1.299	4.7	0.	2.035	1.426	0.	0.085	1.825	4.57

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	4.	47.117	1100.	1.5	39698.029	199.244	1.5	1.5	16.5	42.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	0.602	0.832	3.041	0.176	0.423	0.651	0.176	0.176	1.213	1.629
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.794								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.	0.062	1.01	0.	0.038	0.194	0.	0.	0.	0.223
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.58	0.764	2.5	0.	0.449	0.67	0.	0.16	1.28	1.691

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	31	4.	14.613	93.	1.5	560.295	23.671	1.5	1.5	15.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	31	0.602	0.78	1.968	0.176	0.317	0.563	0.176	0.176	1.176	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.019								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	41	0.	0.112	1.37	0.	0.078	0.279	0.	0.	0.085	0.408
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	41	0.43	0.762	4.15	0.	0.751	0.866	0.	0.095	1.17	2.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0186

NPS Station ID: COLO0186 LAT/LON: 37.269170/ -76.585837 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05137
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 12.870 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107028000.19 RF3 Mile Point: 0.95 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	80	23.	67.725	1100.	1.5	30286.936	174.031	1.75	9.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	80	1.362	1.349	3.041	0.176	0.397	0.63	0.219	0.954	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			22.316								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	24	12.05	32.779	240.	1.5	2775.233	52.68	1.5	1.5	43.	93.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	24	1.068	1.022	2.38	0.176	0.514	0.717	0.176	0.176	1.633	1.968
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			10.517								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	103	0.	0.096	1.37	0.	0.059	0.243	0.	0.	0.03	0.352
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	103	0.59	0.887	4.7	0.	0.98	0.99	0.	0.16	1.34	2.054

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0186

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	80	5	0.06	18	3	0.17	31	1	0.03	31	1	0.03			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	3	43.	36.333	43.	23.	133.333	11.547	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	3	1.633	1.543	1.633	1.362	0.025	0.157	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			34.905								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	3	0.	0.01	0.03	0.	0.	0.017	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	3	1.59	1.623	1.7	1.58	0.004	0.067	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	10	19.	37.75	150.	1.5	2232.403	47.248	2.25	9.	52.5	144.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	10	1.269	1.29	2.176	0.176	0.315	0.562	0.254	0.954	1.685	2.155
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.48								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	11	15.	64.5	240.	1.5	8235.35	90.749	2.	7.	93.	240.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	11	1.176	1.354	2.38	0.176	0.509	0.713	0.261	0.845	1.968	2.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			22.602								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.	0.037	0.3	0.	0.008	0.09	0.	0.	0.03	0.254
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.31	0.891	4.7	0.	1.842	1.357	0.	0.16	1.34	4.032

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	15	43.	126.033	1100.	1.5	76739.945	277.02	6.	9.	93.	584.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	15	1.633	1.555	3.041	0.176	0.497	0.705	0.643	0.954	1.968	2.645
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			35.919								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	15	0.	0.068	0.61	0.	0.027	0.163	0.	0.	0.06	0.382
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	15	1.	1.032	2.82	0.11	0.532	0.729	0.128	0.53	1.38	2.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	16.	31.625	93.	1.5	1064.96	32.634	2.25	9.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	1.158	1.233	1.968	0.176	0.31	0.556	0.304	0.954	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.094								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	29.	33.875	93.	1.5	1044.46	32.318	2.25	5.25	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	1.405	1.263	1.968	0.176	0.337	0.581	0.304	0.69	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.328								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	10	43.	140.	1100.	1.5	114517.722	338.405	1.5	7.125	55.5	999.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	10	1.633	1.421	3.041	0.176	0.714	0.845	0.176	0.76	1.717	2.934
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			26.375								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	6	13.	17.083	43.	1.5	211.242	14.534	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	6	1.109	1.057	1.633	0.176	0.245	0.495	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.407								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	8	0.	0.168	1.	0.	0.127	0.357	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	8	1.015	1.501	4.67	0.	2.173	1.474	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	1.633	1.633	1.633	1.633	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			43.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	3	0.	0.003	0.01	0.	0.	0.006	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	3	1.97	1.507	2.32	0.23	1.253	1.119	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.	0.018	0.16	0.	0.003	0.053	0.	0.	0.	0.16
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.41	0.486	1.38	0.	0.216	0.465	0.	0.065	0.86	1.38

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	18	43.	171.806	1100.	1.5	117606.975	342.939	8.25	13.5	107.25	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	18	1.633	1.647	3.041	0.176	0.531	0.729	0.876	1.121	2.02	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			44.393								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	23	0.	0.115	0.82	0.	0.06	0.245	0.	0.	0.06	0.646
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	23	0.8	1.337	4.7	0.	2.282	1.511	0.008	0.14	1.81	4.63

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	31	23.	39.887	240.	1.5	2563.662	50.633	1.5	9.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	31	1.362	1.259	2.38	0.176	0.396	0.629	0.176	0.954	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.167								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	43	0.	0.062	1.01	0.	0.037	0.192	0.	0.	0.	0.214
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	43	0.58	0.769	2.5	0.	0.458	0.677	0.	0.16	1.34	1.688

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	31	15.	35.129	240.	1.5	2149.633	46.364	4.	9.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	31	1.176	1.265	2.38	0.176	0.28	0.529	0.602	0.954	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.388								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	37	0.	0.124	1.37	0.	0.085	0.291	0.	0.	0.11	0.442
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	37	0.44	0.746	4.15	0.	0.681	0.825	0.	0.235	1.065	1.69

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0187

NPS Station ID: COLO0187
LAT/LON: 37.270281/ -76.556948
Agency: 21VASWCB
Date Created: 04/19/76
Location: W.S. NAVAL WEAPONS STATION
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 8-YRK009.51 /VA8-01-X0092/VA8-5X0092
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 8-YORK
ECO Region:
RF1 Index: 02080107004
RF1 Mile Point: 11.590
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107000802.22
RF3 Mile Point: 2.22
Distance from RF3: 0.12
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: YORK RIVER SECTION: 01 TOPO MAP #: 0065 TOPO MAP NAME: CLAY BANK, VA

Parameter Inventory for Station: COLO0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/01/76-04/13/78	2 ##	10.225	10.225	17.1	3.35	94.531	9.723	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3 ##	0.165	0.167	0.17	0.165	0.	0.003	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3	19.5	30.953	66.69	6.67	998.984	31.607	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/01/76-04/13/78	3	9.57	13.42	27.69	3.	163.516	12.787	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/01/76-04/13/78	3	13.8	19.053	36.69	6.67	245.998	15.684	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3	10.3	12.885	26.69	1.665	161.574	12.711	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/01/76-04/13/78	3	47.5	91.5	207.	20.	10194.25	100.967	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/01/76-04/13/78	3	0.1	0.143	0.3	0.03	0.02	0.14	**	**	**	**

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********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: COLO0188

NPS Station ID: COLO0188
LAT/LON: 37.270281/ -76.610003
Agency: 21VASWCB
Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BSS05133
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
0
ECO Region:
RF1 Index: 02080107
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 02080107027901.33
RF3 Mile Point: 1.32
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0188

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0189

NPS Station ID: COLO0189
Location: 57G 32
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: C
Minor Basin:
RF1 Index: 02080107
RF3 Index: 02080107029500.00
Description:

LAT/LON: 37.271671/ -76.706392
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 2.97

Agency: 112WRD
FIPS State/County: 51830 VIRGINIA/WILLIAMSBURG (CITY)
STORET Station ID(s): 371618076422301
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 13.20
Distance from RF3: 0.24

Date Created: 04/14/78
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/12/77-12/12/77	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	12/12/77-12/12/77	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/71-12/12/77	2	1350.	1350.	1400.	1300.	5000.	70.711	**	**	**	**
00400	PH (STANDARD UNITS)	07/13/71-12/12/77	2	7.75	7.75	8.	7.5	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/13/71-12/12/77	2	7.682	7.682	8.	7.5	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/71-12/12/77	2	0.021	0.021	0.032	0.01	0.	0.015	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/13/71-12/12/77	2	13.75	13.75	21.	6.5	105.125	10.253	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/71-12/12/77	2	337.5	337.5	340.	335.	12.5	3.536	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/13/71-12/12/77	2	409.	409.	410.	408.	2.	1.414	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	12/12/77-12/12/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/12/77-12/12/77	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/12/77-12/12/77	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/12/77-12/12/77	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/12/77-12/12/77	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/12/77-12/12/77	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/13/71-12/12/77	2	21.	21.	24.	18.	18.	4.243	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/13/71-12/12/77	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/13/71-12/12/77	2	5.3	5.3	6.2	4.4	1.62	1.273	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/13/71-12/12/77	2	1.75	1.75	1.9	1.6	0.045	0.212	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/13/71-12/12/77	2	275.	275.	280.	270.	50.	7.071	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/13/71-12/12/77	2	26.5	26.5	29.	24.	12.5	3.536	**	**	**	**
00932	SODIUM, PERCENT	07/13/71-12/12/77	2	94.5	94.5	95.	94.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/13/71-12/12/77	2	11.5	11.5	13.	10.	4.5	2.121	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/13/71-12/12/77	2	190.	190.	200.	180.	200.	14.142	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/13/71-12/12/77	2	24.	24.	25.	23.	2.	1.414	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/13/71-12/12/77	2	2.05	2.05	2.1	2.	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/13/71-12/12/77	2	21.	21.	23.	19.	8.	2.828	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/12/77-12/12/77	1	50.	50.	50.	50.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/13/71-12/12/77	2	724.5	724.5	735.	714.	220.5	14.849	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/13/71-12/12/77	2	733.	733.	740.	726.	98.	9.899	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	12/12/77-12/12/77	1	0.97	0.97	0.97	0.97	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/13/71-07/13/71	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/12/77-12/12/77	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/12/77-12/12/77	1	0.	0.	0.	0.	0.	0.	**	**	**	**
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	07/13/71-12/12/77	2	438.	438.	438.	438.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0189

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0190

NPS Station ID: COLO0190
Location: COLONIAL PARKWAY
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK RIVER BALLARD CR AT
RF1 Index: 02080107
RF3 Index: 02080107027904.42
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.273059/ -76.607504
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 4.43

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): BAL 001 /BALLARD CR 1
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 25.70
Distance from RF3: 0.06

Date Created: / /
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: COLO0190

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0191

NPS Station ID: COLO0191 LAT/LON: 37.273615/ -76.572226 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05123
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 12.210 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.36 RF3 Mile Point: 2.35 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/75-06/27/80	9	24.2	24.633	28.5	17.8	12.263	3.502	17.8	22.55	28.1	28.5
00480	SALINITY - PARTS PER THOUSAND	05/29/75-06/27/80	9	15.4	15.178	18.6	9.1	8.354	2.89	9.1	13.9	17.75	18.6
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	92	4.	8.799	93.	1.5	185.781	13.63	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	92	0.602	0.625	1.968	0.176	0.241	0.491	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.217								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	36 ##	1.5	9.053	93.	1.5	315.311	17.757	1.5	1.5	7.725	27.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	36 ##	0.176	0.541	1.968	0.176	0.273	0.522	0.176	0.176	0.858	1.431
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.479								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/28/80-10/28/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/28/80-10/28/80	1 ##	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			5.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	126	0.	0.101	1.37	0.	0.061	0.247	0.	0.	0.023	0.378
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	126	0.58	0.892	4.7	0.	0.963	0.981	0.	0.16	1.353	2.012

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0191

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	92	0	0.00	27	0	0.00	32	0	0.00	33	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1971 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	23.	20.682	43.	1.5	183.314	13.539	2.	9.	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	1.362	1.175	1.633	0.176	0.195	0.442	0.261	0.954	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.957								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.16	0.91	0.	0.112	0.335	0.	0.	0.188	0.885
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	1.605	1.333	1.89	0.33	0.313	0.56	0.337	0.835	1.64	1.871

** - Less than 9 observations ## - Computed with 50% or 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 COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	9 ##	1.5	5.278	23.	1.5	50.319	7.094	1.5	1.5	6.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	9 ##	0.176	0.489	1.362	0.176	0.187	0.432	0.176	0.176	0.778	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.083								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.02	0.349	1.37	0.	0.25	0.5	0.	0.	0.76	1.37
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.42	0.511	2.11	0.	0.425	0.652	0.	0.	0.6	2.11

** - 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 1974 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	4.	9.769	43.	1.5	155.776	12.481	1.5	1.5	16.	35.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	0.602	0.713	1.633	0.176	0.247	0.497	0.176	0.176	1.158	1.525
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.164								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15 ##	1.5	11.6	93.	1.5	547.257	23.394	1.5	1.5	9.	51.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15 ##	0.176	0.625	1.968	0.176	0.328	0.573	0.176	0.176	0.954	1.604
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.22								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	0.	0.068	0.61	0.	0.027	0.163	0.	0.	0.06	0.382
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	1.	1.032	2.82	0.11	0.532	0.729	0.128	0.53	1.38	2.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	4.	6.833	43.	1.5	134.061	11.578	1.5	1.5	4.	32.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.602	0.575	1.633	0.176	0.173	0.416	0.176	0.176	0.602	1.43
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.762								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	3.	2.909	4.	1.5	1.391	1.179	1.5	1.5	4.	4.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	0.477	0.424	0.602	0.176	0.041	0.202	0.176	0.176	0.602	0.602
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.657								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.036	0.36	0.	0.013	0.114	0.	0.	0.	0.324
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.095	0.495	1.72	0.	0.422	0.65	0.	0.	1.013	1.683

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11 ##	1.5	5.864	23.	1.5	72.755	8.53	1.5	1.5	4.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11 ##	0.176	0.469	1.362	0.176	0.223	0.472	0.176	0.176	0.602	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.945								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.124	1.01	0.	0.089	0.299	0.	0.	0.11	0.836
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.54	1.278	4.57	0.	2.536	1.593	0.	0.43	1.67	4.486

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7 ##	1.5	4.143	15.	1.5	24.31	4.93	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7 ##	0.176	0.441	1.176	0.176	0.145	0.381	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.758								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.027	0.27	0.	0.006	0.076	0.	0.	0.005	0.19
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.29	0.703	2.32	0.	0.677	0.823	0.004	0.055	1.485	2.18

** - 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 1981 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

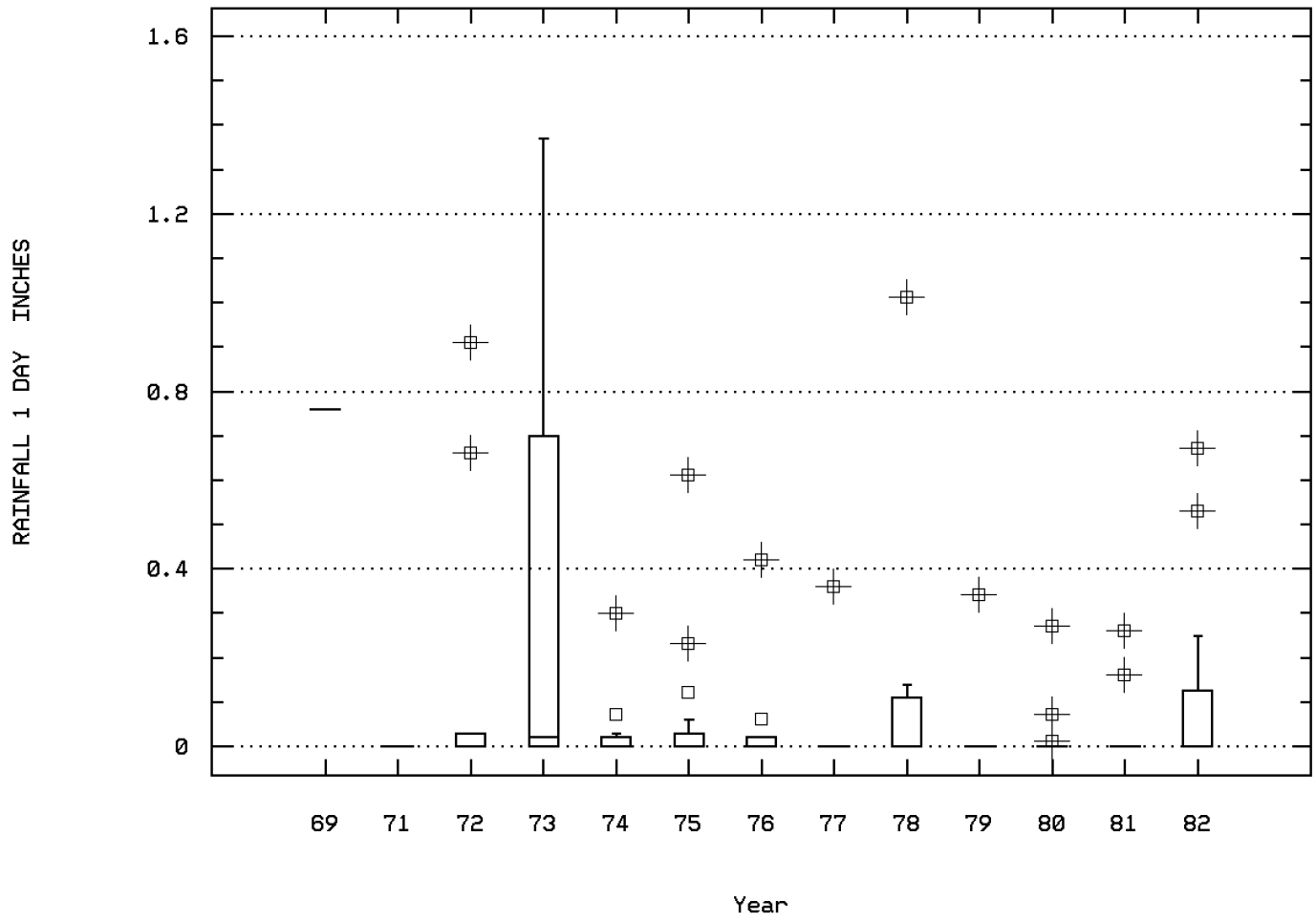
Annual Analysis for 1982 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00191 Parameter Code: 82553

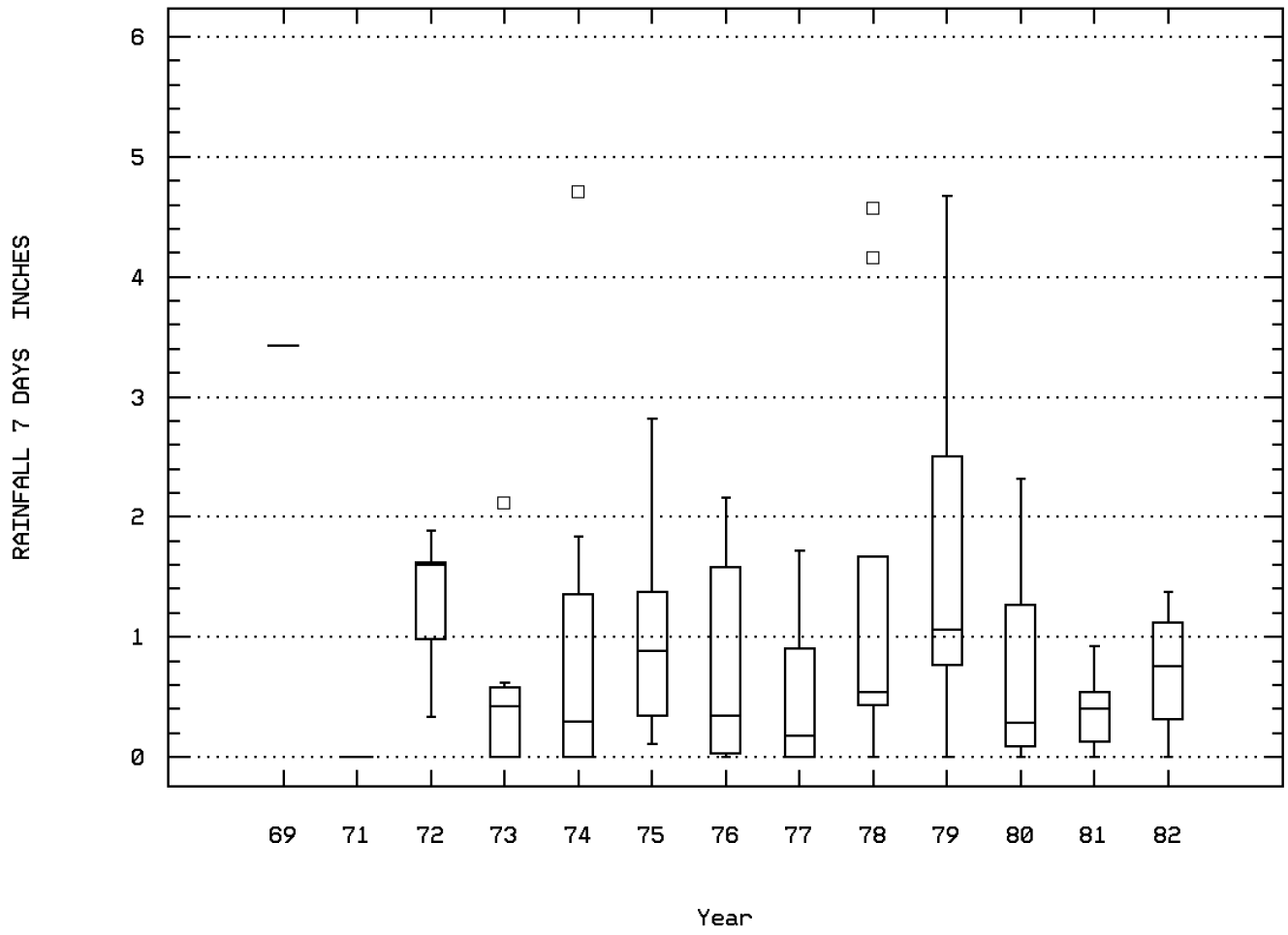
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00191 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	27	4.	12.389	93.	1.5	373.41	19.324	1.5	1.5	23.	27.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	27	0.602	0.722	1.968	0.176	0.321	0.567	0.176	0.176	1.362	1.416
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.272								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	36	0.	0.153	0.91	0.	0.079	0.281	0.	0.	0.223	0.697
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	36	0.995	1.29	4.7	0.	1.78	1.334	0.	0.165	1.788	3.772

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	32	4.	8.391	43.	1.5	100.576	10.029	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	32	0.602	0.669	1.633	0.176	0.217	0.466	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.667								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	45	0.	0.059	1.01	0.	0.035	0.188	0.	0.	0.	0.196
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	45	0.58	0.747	2.5	0.	0.448	0.67	0.	0.16	1.3	1.682

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	33 ##	1.5	6.258	43.	1.5	109.783	10.478	1.5	1.5	4.	19.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	33 ##	0.176	0.503	1.633	0.176	0.189	0.435	0.176	0.176	0.602	1.287
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.185								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	45	0.	0.101	1.37	0.	0.072	0.268	0.	0.	0.05	0.384
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	45	0.43	0.717	4.15	0.	0.689	0.83	0.	0.135	1.015	1.8

** - 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: COLO0192

NPS Station ID: COLO0192
Location: CREEK AT COLONIAL PARKWAY
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080107
Major Basin: N ATLANTIC
Minor Basin: YORK ROOSEVELT PD
RF1 Index: 02080107004
RF3 Index: 02080107000802.22
Description:
FEDERAL FACILITIES EVALUATION.

LAT/LON: 37.273615/ -76.584171
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 13.010
RF3 Mile Point: 2.22

Agency: 1113VABD
FIPS State/County: 51199 VIRGINIA/YORK
STORET Station ID(s): ROO 001 /ROOSEVELT 1 /POND CREEK
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.02

Date Created: / /
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: COLO0192

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0193

NPS Station ID: COLO0193 LAT/LON: 37.274170/ -76.586393 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05136
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.010 Distance from RF1: 18.00 On/Off RF1: OFF
RF3 Index: 02080107027902.96 RF3 Mile Point: 3.20 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	06/27/80-06/27/80	1	14.6	14.6	14.6	14.6	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	85	23.	51.818	460.	1.5	8804.517	93.832	1.5	4.	43.	115.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	85	1.362	1.224	2.663	0.176	0.471	0.686	0.176	0.602	1.633	2.052
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.753								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	31	9.1	19.865	150.	1.5	802.079	28.321	1.5	3.6	23.	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	31	0.959	0.964	2.176	0.176	0.328	0.573	0.176	0.556	1.362	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.208								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	20 ##	5.	90.25	1270.	5.	79330.197	281.656	5.	5.	37.5	168.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	20 ##	0.699	1.164	3.104	0.699	0.471	0.686	0.699	0.699	1.571	2.225
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			14.585								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	01/24/73-03/30/78	31 ##	1.5	12.323	240.	1.5	1854.326	43.062	1.5	1.5	4.	19.8
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	01/24/73-03/30/78	31 ##	0.176	0.471	2.38	0.176	0.276	0.526	0.176	0.176	0.602	1.293
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			2.958								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	115	0.	0.104	1.37	0.	0.062	0.25	0.	0.	0.03	0.384
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	115	0.58	0.868	4.7	0.	0.937	0.968	0.	0.16	1.34	1.922

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0193

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	85	6	0.07	22	2	0.09	32	2	0.06	31	2	0.06			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	7	23.	119.286	460.	23.	28926.905	170.079	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	7	1.362	1.732	2.663	1.362	0.307	0.554	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			53.94								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	7	0.	0.229	0.91	0.	0.15	0.387	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	7	1.58	1.21	1.89	0.33	0.411	0.641	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	10	6.5	47.9	240.	1.5	6628.933	81.418	1.5	2.625	69.75	231.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	10	0.778	1.054	2.38	0.176	0.638	0.799	0.176	0.402	1.769	2.36
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.322								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	13	9.	29.385	93.	1.5	1444.215	38.003	1.5	4.	68.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	13	0.954	1.044	1.968	0.176	0.443	0.666	0.176	0.602	1.801	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.061								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	13	0.31	0.912	4.7	0.	1.647	1.283	0.	0.19	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	15	43.	84.7	460.	1.5	14317.85	119.657	3.	21.	93.	328.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	15	1.633	1.582	2.663	0.176	0.401	0.633	0.432	1.322	1.968	2.493
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			38.158								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	15	0.	0.068	0.61	0.	0.027	0.163	0.	0.	0.06	0.382
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	15	1.	1.032	2.82	0.11	0.532	0.729	0.128	0.53	1.38	2.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	12	16.	60.333	460.	1.5	16513.833	128.506	1.5	9.	43.	349.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	12	1.158	1.233	2.663	0.176	0.499	0.706	0.176	0.954	1.633	2.454
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.083								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	12	19.	28.625	93.	1.5	1032.324	32.13	2.25	7.5	38.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	12	1.269	1.197	1.968	0.176	0.282	0.531	0.304	0.872	1.566	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.738								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	10	13.5	16.5	43.	1.5	287.5	16.956	1.5	1.5	28.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	10	0.982	0.866	1.633	0.176	0.432	0.657	0.176	0.176	1.43	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.343								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	5	4.	11.1	23.	1.5	119.05	10.911	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	5	0.602	0.821	1.362	0.176	0.274	0.524	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.618								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	7	0.	0.191	1.	0.	0.143	0.378	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	7	1.06	1.606	4.67	0.	2.433	1.56	**	**	**	**

** - 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 1980 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	1	150.	150.	150.	150.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	1	2.176	2.176	2.176	2.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			150.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	9	0.	0.031	0.27	0.	0.008	0.09	0.	0.	0.005	0.27
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	9	0.23	0.846	2.32	0.	0.924	0.961	0.	0.015	1.835	2.32

** - 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 1981 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	0.	0.042	0.26	0.	0.008	0.092	0.	0.	0.04	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	0.405	0.477	1.38	0.	0.193	0.439	0.	0.098	0.83	1.334

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	22	23.	49.205	240.	1.5	5058.706	71.125	1.5	7.75	51.	213.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	22	1.362	1.282	2.38	0.176	0.436	0.66	0.176	0.866	1.694	2.319
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.155								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	31	0.	0.153	0.91	0.	0.077	0.277	0.	0.	0.26	0.668
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	31	0.8	1.223	4.7	0.	1.868	1.367	0.004	0.14	1.81	4.22

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	32	23.	55.5	460.	1.5	8283.5	91.014	1.5	4.	93.	132.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	32	1.362	1.248	2.663	0.176	0.547	0.74	0.176	0.602	1.968	2.114
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.688								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	44	0.	0.06	1.01	0.	0.036	0.19	0.	0.	0.	0.205
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	44	0.58	0.76	2.5	0.	0.451	0.671	0.	0.16	1.32	1.685

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	31	23.	49.871	460.	1.5	12528.549	111.931	1.5	4.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-01/08/80	31	1.362	1.158	2.663	0.176	0.44	0.663	0.176	0.602	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.403								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	40	0.	0.115	1.37	0.	0.079	0.281	0.	0.	0.093	0.414
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	40	0.425	0.71	4.15	0.	0.667	0.816	0.	0.113	1.068	1.571

** - Less than 9 observations ## - Computed 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: COLO0194

NPS Station ID: COLO0194 LAT/LON: 37.274170/ -76.586670 Agency: 21VASWCB Date Created: 08/29/92
Location: COLONIAL PARKWAY BRIDGE (YORK COUNTY) FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 8-FEL000.19
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 3.40 On/Off RF1:
RF3 Index: 02080107001300.44 RF3 Mile Point: 7.46 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8- YORK REGION: 5 TIDEWATER
RIVER: FELGATES CREEK SECTION: 01 TOPO MAP #: 0065 TOPO MAP NAME: CLAY BANK, VA

Parameter Inventory for Station: COLO0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/92-08/25/93	10	15.3	16.44	30.1	6.3	86.358	9.293	6.34	7.3	26.1	29.76
00080	COLOR (PLATINUM-COBALT UNITS)	11/05/92-03/03/93	3	23.	28.667	48.	15.	296.333	17.214	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/05/92-08/25/93	10	18250.	20100.	33500.	11000.	49433333.333	7030.884	11300.	15125.	24625.	33100.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/92-07/13/93	8	23733.	22597.125	30165.	13126.	36464350.696	6038.572	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	11/05/92-08/25/93	10	15.5	15.	21.	8.	15.778	3.972	8.2	12.25	18.	20.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/05/92-08/25/93	10	8.2	8.8	12.8	5.7	6.307	2.511	5.78	6.5	11.225	12.74
00310	BOD, 5 DAY, 20 DEG C MG/L	11/05/92-07/13/93	8	2.	2.125	5.	0.5	2.339	1.529	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/05/92-02/10/93	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/92-08/25/93	10	7.84	7.876	8.41	7.5	0.074	0.272	7.514	7.685	8.06	8.39
00400	CONVERTED PH (STANDARD UNITS)	11/05/92-08/25/93	10	7.84	7.81	8.41	7.5	0.079	0.281	7.514	7.685	8.06	8.39
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/92-08/25/93	10	0.014	0.016	0.032	0.004	0.	0.008	0.004	0.009	0.021	0.031
00403	PH, LAB, STANDARD UNITS SU	11/05/92-07/13/93	8	7.9	7.8	8.	7.3	0.057	0.239	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/92-07/13/93	8	7.9	7.73	8.	7.3	0.063	0.25	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/92-07/13/93	8	0.013	0.019	0.05	0.01	0.	0.014	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/92-07/13/93	8	82.5	84.	101.	70.	101.714	10.085	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/05/92-07/13/93	8	17200.	15575.25	20800.	8600.	27645186.214	5257.869	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/05/92-07/13/93	8	2247.5	2517.875	4800.	1098.	1943653.268	1394.15	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/05/92-07/13/93	8	11604.5	11257.375	16900.	1600.	30183857.982	5493.984	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	17.	18.625	33.	5.	145.696	12.07	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	4.	4.	7.	1.	6.286	2.507	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	13.	14.625	27.	4.	93.125	9.65	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/92-08/25/93	10 ##	0.02	0.052	0.13	0.02	0.002	0.045	0.02	0.02	0.103	0.128
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	10 ##	0.008	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.019
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	10 ##	0.02	0.038	0.1	0.02	0.001	0.028	0.02	0.02	0.055	0.097
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/05/92-08/25/93	10	0.85	0.83	1.4	0.4	0.111	0.333	0.41	0.5	1.125	1.38
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/92-08/25/93	10	0.15	0.135	0.2	0.05	0.005	0.071	0.05	0.05	0.2	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/05/92-02/10/93	4	6.5	10.775	24.4	5.7	82.709	9.094	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/92-02/10/93	4	3350.	2670.25	3900.	81.	3048540.25	1746.007	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/92-07/13/93	8	8592.5	8550.25	12600.	4492.	7632259.071	2762.654	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/92-07/13/93	8	1188.	1167.75	1710.	620.	137190.214	370.392	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/05/92-03/03/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/92-12/07/92	2	3.1	3.1	3.3	2.9	0.08	0.283	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	20.	22.333	33.	14.	94.333	9.713	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: COLO0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	1.301	1.322	1.519	1.146	0.035	0.187	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			20.984								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	2	17.	17.	20.	14.	18.	4.243	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	2	1.224	1.224	1.301	1.146	0.012	0.11	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.733								
32240	TANNIN AND LIGNIN (MG/L)	11/05/92-04/14/93	3	0.4	0.433	0.5	0.4	0.003	0.058	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/05/92-08/25/93	10	0.03	0.034	0.07	0.01	0.	0.019	0.01	0.018	0.05	0.068
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/05/92-07/13/93	8	13.8	14.938	27.	5.	87.394	9.348	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0194

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00400	PH	Other-Hi Lim.	9.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	8	1.00	1	1	1.00	3	3	1.00	4	4	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	8	8	1.00	1	1	1.00	3	3	1.00	4	4	1.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00							2	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0195

NPS Station ID: COLO0195 LAT/LON: 37.274448/ -76.605004 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05132
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.690 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107027900.65 RF3 Mile Point: 0.87 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/25/78-06/25/79	4	121.5	144.	240.	93.	4818.	69.412	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/25/78-06/25/79	4	2.072	2.123	2.38	1.968	0.039	0.197	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			132.836								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/79-05/04/81	4	41.	46.025	93.	9.1	1209.536	34.778	**	**	**	**
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	12/05/79-05/04/81	4	1.612	1.538	1.968	0.959	0.177	0.421	**	**	**	**
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			34.516								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/25/78-05/04/81	8	0.	0.013	0.1	0.	0.001	0.035	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/25/78-05/04/81	8	0.475	0.62	1.7	0.	0.279	0.528	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0195

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	4	1	0.25				1	0	0.00	3	1	0.33			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0196

NPS Station ID: COLO0196 LAT/LON: 37.275003/ -76.585560 Agency: 21VASWCB Date Created: 04/19/76
Location: U.S. NAVAL WEAPONS STATIONS FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 8-FEL000.11 /VA8-01-X0080/VA8-5X0080
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.010 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.03 RF3 Mile Point: 2.02 Distance from RF3: 0.16 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: FELGATES CREEK SECTION: 01 TOPO MAP #: 0065 TOPO MAP NAME: CLAYBANK, VA

Parameter Inventory for Station: COLO0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/01/76-04/13/78	2 ##	10.4	10.4	17.45	3.35	99.405	9.97	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3 ##	0.165	0.168	0.175	0.165	0.	0.006	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3	30.29	36.46	53.29	25.8	217.477	14.747	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/01/76-04/13/78	3	14.7	17.33	23.29	14.	26.764	5.173	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/01/76-04/13/78	3	23.29	25.827	33.29	20.9	43.204	6.573	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/01/76-04/13/78	3	14.	14.667	20.	10.	25.333	5.033	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/01/76-04/13/78	3	107.	125.933	180.	90.8	2258.013	47.519	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/01/76-04/13/78	3	0.2	0.267	0.4	0.2	0.013	0.115	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exist to compare against the data at this station. **********

Station Inventory for Station: COLO0197

NPS Station ID: COLO0197 LAT/LON: 37.275281/ -76.580003 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05125
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 12.770 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.79 RF3 Mile Point: 2.78 Distance from RF3: 0.29 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	88	9.	17.858	240.	1.5	967.109	31.098	1.5	4.	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	88	0.954	0.916	2.38	0.176	0.28	0.529	0.176	0.602	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.237								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	16.637	93.	1.5	635.038	25.2	1.5	1.5	23.	55.8
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.754	1.968	0.176	0.42	0.648	0.176	0.176	1.362	1.73
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.678								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	122	0.	0.092	1.37	0.	0.055	0.234	0.	0.	0.023	0.328
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	122	0.545	0.868	4.7	0.	0.974	0.987	0.	0.155	1.295	2.068

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0197

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	88	1	0.01	22	0	0.00	32	0	0.00	34	1	0.03			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1971 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	23.	23.	43.	3.	266.667	16.33	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	1.362	1.209	1.633	0.477	0.254	0.504	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.163								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	6.5	15.35	43.	1.5	279.947	16.732	1.5	1.5	28.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.778	0.868	1.633	0.176	0.361	0.6	0.176	0.176	1.43	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.374								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14	12.	34.25	240.	1.5	3885.952	62.337	2.75	7.75	28.	157.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	14	1.065	1.154	2.38	0.176	0.313	0.559	0.389	0.866	1.43	2.128
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.269								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	14	0.	0.029	0.3	0.	0.006	0.08	0.	0.	0.015	0.185
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	14	0.305	0.847	4.7	0.	1.579	1.257	0.	0.12	1.345	3.27

** - Less than 9 observations ## - Computed with 50% or 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 COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15	9.	22.033	93.	1.5	896.481	29.941	1.5	4.	23.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15	0.954	1.008	1.968	0.176	0.34	0.583	0.176	0.602	1.362	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.179								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	0.	0.068	0.61	0.	0.027	0.163	0.	0.	0.06	0.382
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	1.	1.032	2.82	0.11	0.532	0.729	0.128	0.53	1.38	2.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	4.	8.667	39.	1.5	106.561	10.323	1.5	4.	9.	31.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.602	0.749	1.591	0.176	0.162	0.403	0.176	0.602	0.954	1.467
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.615								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	4.	9.5	43.	1.5	144.591	12.025	1.5	4.	9.	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.602	0.759	1.633	0.176	0.183	0.428	0.176	0.602	0.954	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.745								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	4.	4.5	9.	1.5	11.25	3.354	1.5	1.5	9.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	0.602	0.527	0.954	0.176	0.128	0.357	0.176	0.176	0.954	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.362								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.124	1.01	0.	0.089	0.299	0.	0.	0.11	0.836
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.54	1.278	4.57	0.	2.536	1.593	0.	0.43	1.67	4.486

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	23.	29.643	93.	1.5	952.226	30.858	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	1.362	1.233	1.968	0.176	0.322	0.568	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.105								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.029	0.27	0.	0.006	0.078	0.	0.	0.008	0.21
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.34	0.747	2.32	0.	0.711	0.843	0.003	0.038	1.593	2.215

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

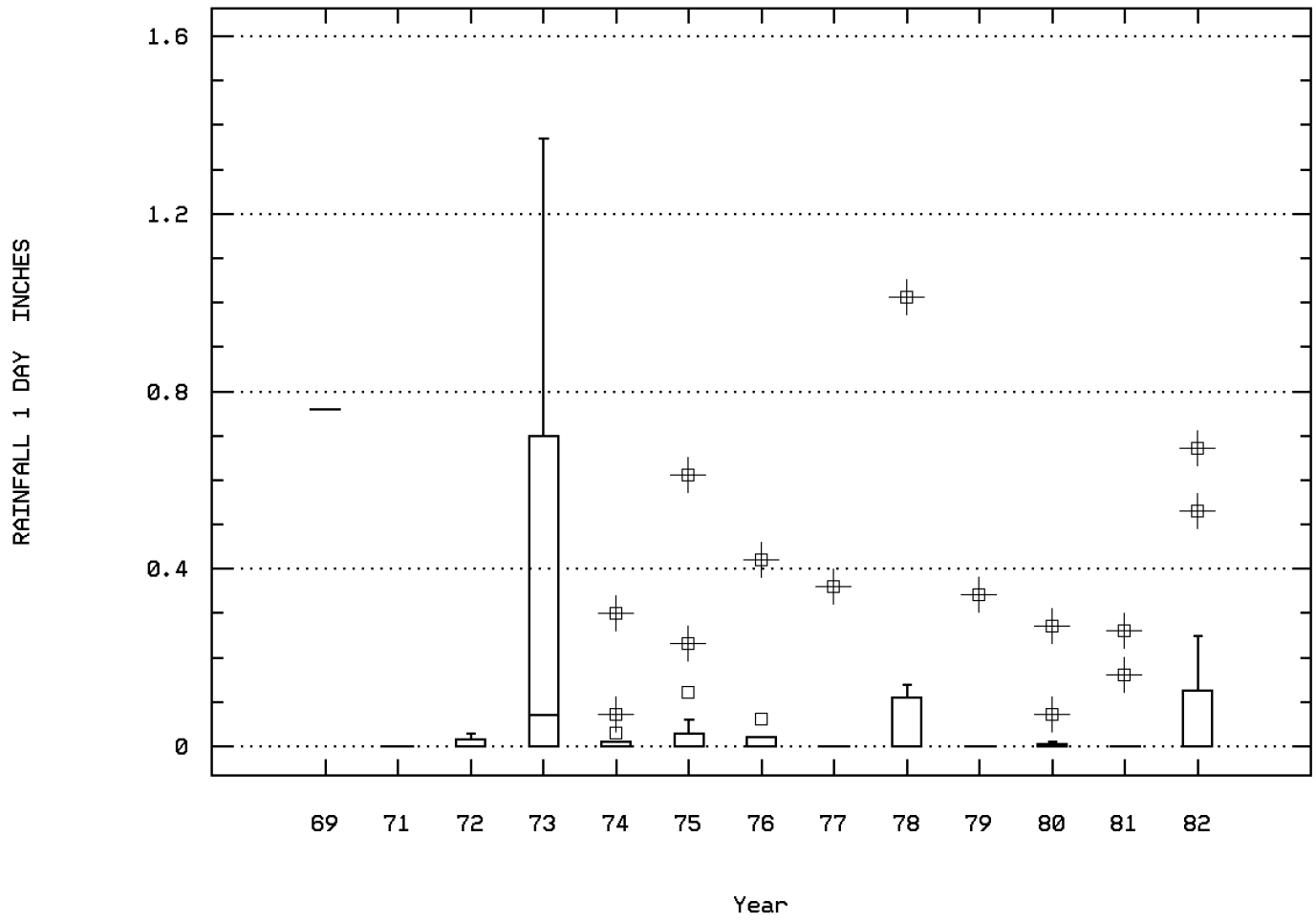
Annual Analysis for 1982 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00197 Parameter Code: 82553

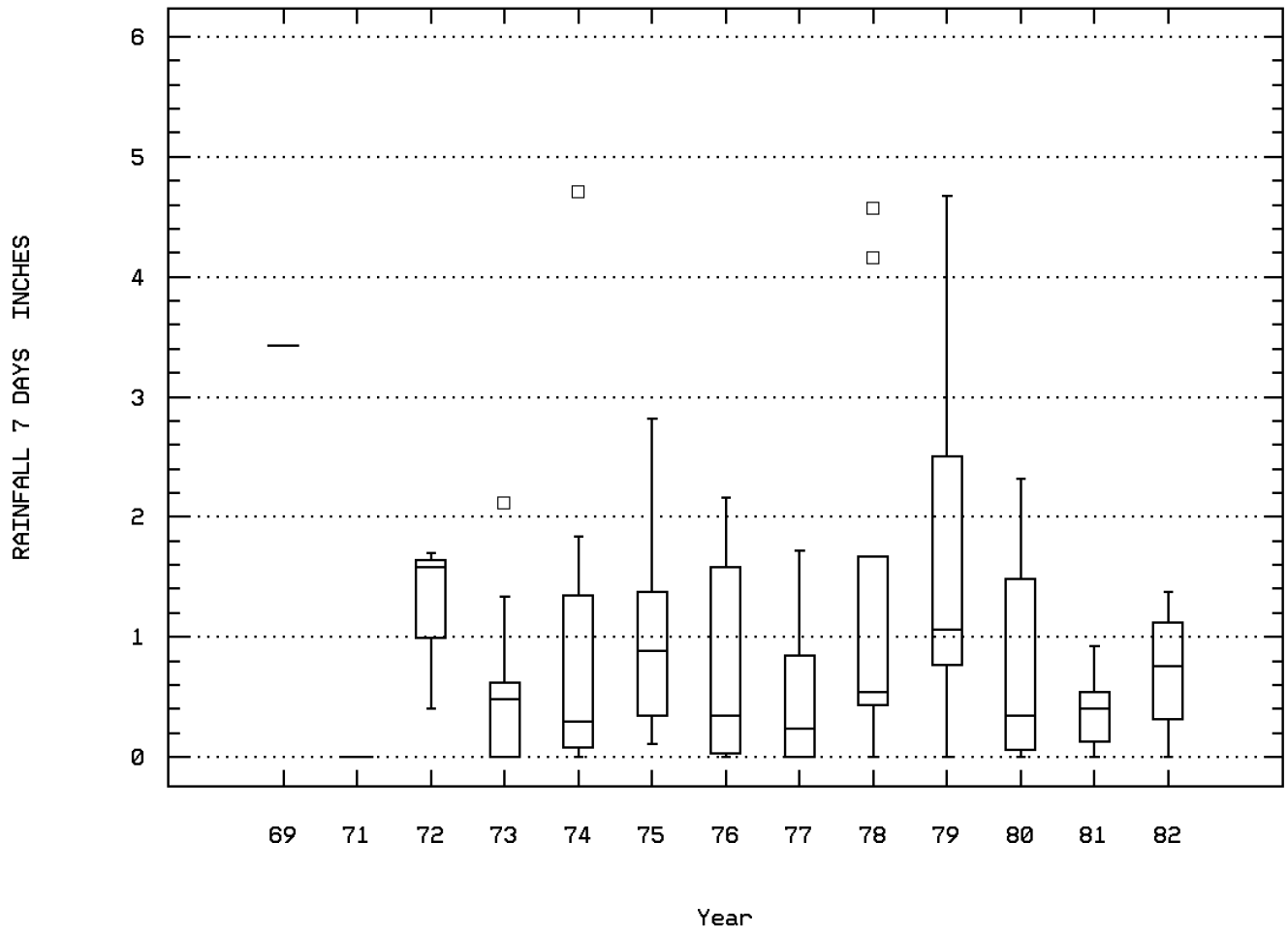
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00197 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	22	9.	15.273	93.	1.5	436.732	20.898	1.5	4.	15.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	22	0.954	0.91	1.968	0.176	0.248	0.498	0.176	0.602	1.176	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.137								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.	0.127	0.82	0.	0.062	0.248	0.	0.	0.11	0.658
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.72	1.247	4.7	0.	2.052	1.432	0.	0.11	1.81	4.342

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	32	9.	15.938	93.	1.5	422.012	20.543	1.5	4.	23.	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	32	0.954	0.924	1.968	0.176	0.263	0.513	0.176	0.602	1.362	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.4								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	44	0.	0.06	1.01	0.	0.036	0.19	0.	0.	0.	0.205
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	44	0.58	0.76	2.5	0.	0.451	0.671	0.	0.16	1.32	1.685

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	34	9.	21.338	240.	1.5	1854.784	43.067	1.5	4.	23.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	34	0.954	0.911	2.38	0.176	0.333	0.577	0.176	0.602	1.362	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.15								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	47	0.	0.099	1.37	0.	0.069	0.262	0.	0.	0.07	0.372
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	47	0.43	0.72	4.15	0.	0.672	0.82	0.	0.18	1.06	1.69

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0198

NPS Station ID: COLO0198 LAT/LON: 37.275281/ -76.598892 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05131
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.690 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107027900.65 RF3 Mile Point: 1.07 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	08/23/78-08/23/78	1	18.6	18.6	18.6	18.6	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-06/25/79	9	150.	257.222	1100.	4.	118108.694	343.669	4.	59.	350.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-06/25/79	9	2.176	2.057	3.041	0.602	0.476	0.69	0.602	1.754	2.521	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			114.101								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	12/05/79-05/04/81	4	49.	53.5	93.	23.	1294.333	35.977	**	**	**	**
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	12/05/79-05/04/81	4	1.618	1.642	1.968	1.362	0.106	0.326	**	**	**	**
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			43.828								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	12/15/77-05/04/81	13	0.	0.095	1.	0.	0.076	0.276	0.	0.	0.05	0.656
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	12/15/77-05/04/81	13	0.52	0.598	1.7	0.	0.292	0.541	0.	0.145	0.875	1.616

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0198

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	9	3	0.33	1	0	0.00	3	1	0.33	5	2	0.40			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0199

NPS Station ID: COLO0199
LAT/LON: 37.275976/ -76.582643
Agency: 21VASWCB
Date Created: / /
Location: MOUTH OF KING CREEK
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 8-KNG000.00 /VA8-01-X0010/VA8-5X0010
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 8-YORK
ECO Region:
RF1 Index: 02080107004
RF1 Mile Point: 13.010
Distance from RF1: 5.90
On/Off RF1: OFF
RF3 Index: 02080206124800.00
RF3 Mile Point: 4.94
Distance from RF3: 0.00
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: KING CREEK SECTION: 01 TOPO MAP #: 0065 TOPO MAP NAME: CLAYBANK, VA

Parameter Inventory for Station: COLO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/68-03/13/79	59	25.	22.524	28.9	6.7	37.471	6.121	11.7	18.3	27.2	27.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/01/71-08/01/71	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/27/68-03/13/79	61	7.6	7.769	14.2	4.8	3.499	1.871	5.92	6.6	8.45	11.
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-06/29/78	7	2.2	2.386	4.	1.7	0.605	0.778	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/68-03/13/79	59	8.5	8.517	9.2	7.1	0.25	0.5	7.7	8.3	9.	9.
00400	CONVERTED PH (STANDARD UNITS)	08/27/68-03/13/79	59	8.5	8.17	9.2	7.1	0.372	0.61	7.7	8.3	9.	9.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/68-03/13/79	59	0.003	0.007	0.079	0.001	0.	0.012	0.001	0.001	0.005	0.02
00403	PH, LAB, STANDARD UNITS SU	06/03/69-10/14/75	6	7.6	7.6	7.8	7.4	0.016	0.126	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-10/14/75	6	7.6	7.585	7.8	7.4	0.016	0.128	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-10/14/75	6	0.025	0.026	0.04	0.016	0.	0.008	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-10/14/75	6	61.5	62.	73.	52.	51.6	7.183	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/03/69-05/07/70	5	17686.	16057.4	22066.	1070.	74940152.8	8656.798	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-05/07/70	5	4632.	5375.4	11629.	1552.	16717182.3	4088.665	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-05/07/70	5	15002.	12800.2	20514.	32.	58548935.2	7651.728	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-06/01/77	6	30.	35.5	71.	9.	531.1	23.046	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-06/01/77	6	11.	13.333	23.	4.	62.667	7.916	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-06/01/77	5	22.	29.4	48.	15.	225.3	15.01	**	**	**	**
00545	RESIDUE, SETTLEABLE (ML/L)	04/14/70-04/14/70	1	12399.	12399.	12399.	12399.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/19/70-03/13/79	37 ##	0.05	0.09	1.099	0.05	0.031	0.175	0.05	0.05	0.05	0.12
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/19/70-03/13/79	40 ##	0.005	0.012	0.09	0.005	0.	0.019	0.005	0.005	0.005	0.029
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/19/70-05/12/76	23	0.025	0.047	0.21	0.005	0.003	0.057	0.005	0.01	0.07	0.158
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/19/70-08/16/78	29	0.2	0.279	0.9	0.05	0.034	0.185	0.1	0.2	0.3	0.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/29/76-03/13/79	17 ##	0.025	0.046	0.2	0.025	0.002	0.047	0.025	0.025	0.043	0.128
00940	CHLORIDE,TOTAL IN WATER MG/L	03/19/70-06/16/72	2	7950.	7950.	8400.	7500.	405000.	636.396	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/23/71-03/13/79	8 ##	1.5	1.563	2.5	0.5	0.603	0.776	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/23/71-03/13/79	10 ##	5.	6.2	20.	2.	24.4	4.94	2.3	5.	5.	18.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/19/70-03/13/79	17	10.	13.235	30.	5.	93.566	9.673	5.	5.	20.	30.
01042	COPPER, TOTAL (UG/L AS CU)	03/19/70-03/13/79	17	20.	25.294	90.	5.	482.721	21.971	5.	7.5	40.	58.
01045	IRON, TOTAL (UG/L AS FE)	03/13/79-03/13/79	1	1010.	1010.	1010.	1010.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/23/71-03/13/79	13	10.	16.692	70.	1.	390.564	19.763	1.	4.	25.	58.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/19/70-03/13/79	3	50.	50.	70.	30.	400.	20.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/10/73-03/13/79	7 ##	50.	77.143	200.	50.	3157.143	56.188	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-03/13/79	17	20.	17.941	60.	5.	215.809	14.69	5.	5.	20.	44.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: COLO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31503	COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	10/16/72-07/19/74	7	40.	99.286	430.	15.	23228.571	152.409	**	**	**	**
31503	LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	10/16/72-07/19/74	7	1.602	1.645	2.633	1.176	0.315	0.561	**	**	**	**
31503	GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35	GEOMETRIC MEAN =			44.113								
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/27/68-03/13/79	45	36.	671.744	11000.	1.5	5332260.462	2309.169	12.6	15.	90.5	1518.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/27/68-03/13/79	45	1.556	1.708	4.041	0.176	0.694	0.833	1.087	1.176	1.957	3.133
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			51.03								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	49 ##	50.	40.704	300.	0.001	1812.082	42.569	1.5	15.	50.	50.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	49 ##	1.699	1.322	2.477	-3.301	0.719	0.848	0.176	1.176	1.699	1.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.991								
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	08/01/71-08/01/71	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	11/23/76-11/23/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/19/70-08/16/78	31 ##	0.05	0.068	0.4	0.05	0.004	0.065	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/19/70-03/13/79	37 ##	0.02	0.029	0.1	0.005	0.001	0.023	0.005	0.005	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	09/10/70-03/13/79	14 ##	0.25	0.236	0.25	0.15	0.001	0.036	0.15	0.25	0.25	0.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0199

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	61	0	0.00	35	0	0.00	2	0	0.00	24	0	0.00			
00400	PH	Other-Hi Lim.	9.	59	17	0.29	34	10	0.29	2	0	0.00	23	7	0.30			
		Other-Lo Lim.	6.5	59	0	0.00	34	0	0.00	2	0	0.00	23	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00	2	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	2	0	0.00				4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	40	0	0.00	20	0	0.00	1	0	0.00	19	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	23	0	0.00	12	0	0.00				11	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	8	0	0.00	1	0	0.00	8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	2	1.00							2	2	1.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	5	0	0.00				3	0	0.00			
		Drinking Water	50.	8	0	0.00	5	0	0.00				3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2 &	1	0.50	2	1	0.50									
		Drinking Water	5.	2 &	1	0.50	2	1	0.50									
01034	CHROMIUM, TOTAL	Drinking Water	100.	17	0	0.00	7	0	0.00	1	0	0.00	9	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	17	11	0.65	7	6	0.86	1	1	1.00	9	4	0.44			
		Drinking Water	1300.	17	0	0.00	7	0	0.00	1	0	0.00	9	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	13	0	0.00	7	0	0.00	1	0	0.00	5	0	0.00			
		Drinking Water	5.	13	10	0.77	7	5	0.71	1	1	1.00	5	4	0.80			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	100.	7	1	0.14	4	1	0.25				3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	17	0	0.00	7	0	0.00	1	0	0.00	9	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	45	4	0.09	24	3	0.13	1	0	0.00	20	1	0.05			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	49	1	0.02	27	1	0.04	2	0	0.00	20	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	1	1.00	1	1	1.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	14	0	0.00	7	0	0.00	1	0	0.00	6	0	0.00			
		Drinking Water	2.	14	0	0.00	7	0	0.00	1	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/68-03/13/79	34	26.4	25.506	28.9	16.1	11.736	3.426	17.9	25.	27.8	28.
00300	OXYGEN, DISSOLVED MG/L	08/27/68-03/13/79	35	7.2	7.28	12.6	4.8	2.655	1.629	5.12	6.5	8.	8.62
00400	PH (STANDARD UNITS)	08/27/68-03/13/79	34	8.5	8.468	9.2	7.1	0.305	0.552	7.55	8.	9.	9.1
00400	CONVERTED PH (STANDARD UNITS)	08/27/68-03/13/79	34	8.5	8.073	9.2	7.1	0.465	0.682	7.55	8.	9.	9.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/68-03/13/79	34	0.003	0.008	0.079	0.001	0.	0.015	0.001	0.001	0.01	0.028
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/19/70-03/13/79	19 ##	0.05	0.053	0.1	0.05	0.	0.011	0.05	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/19/70-03/13/79	20 ##	0.005	0.014	0.09	0.005	0.	0.02	0.005	0.005	0.01	0.039
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/19/70-05/12/76	12	0.025	0.056	0.19	0.005	0.003	0.056	0.007	0.014	0.098	0.166
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/19/70-08/16/78	16	0.2	0.275	0.9	0.1	0.037	0.191	0.1	0.2	0.3	0.55
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/19/70-03/13/79	7	10.	15.	30.	5.	133.333	11.547	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/19/70-03/13/79	7	20.	25.	50.	5.	225.	15.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-03/13/79	7	20.	22.143	60.	5.	440.476	20.988	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/27/68-03/13/79	24	33.	1098.083	11000.	3.	9560966.601	3092.081	8.	15.	90.75	6700.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/27/68-03/13/79	24	1.517	1.778	4.041	0.477	0.919	0.959	0.9	1.176	1.958	3.711
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			59.953								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	27 ##	50.	49.519	300.	1.5	2798.24	52.898	7.5	40.	50.	50.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	27 ##	1.699	1.522	2.477	0.176	0.223	0.472	0.799	1.602	1.699	1.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			33.276								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/19/70-08/16/78	16 ##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/19/70-03/13/79	19 ##	0.03	0.031	0.05	0.005	0.	0.02	0.005	0.005	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/68-03/13/79	2	13.6	13.6	19.4	7.8	67.28	8.202	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/27/68-03/13/79	2	9.6	9.6	10.6	8.6	2.	1.414	**	**	**	**
00400	PH (STANDARD UNITS)	08/27/68-03/13/79	2	8.1	8.1	8.2	8.	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/27/68-03/13/79	2	8.089	8.089	8.2	8.	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/68-03/13/79	2	0.008	0.008	0.01	0.006	0.	0.003	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/19/70-03/13/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/19/70-03/13/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/19/70-08/16/78	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/19/70-03/13/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/19/70-03/13/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-03/13/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/27/68-03/13/79	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/27/68-03/13/79	1 ##	1.176	1.176	1.176	1.176	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			15.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	2 ##	32.5	32.5	50.	15.	612.5	24.749	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	2 ##	1.438	1.438	1.699	1.176	0.137	0.37	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			27.386								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/19/70-08/16/78	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/19/70-03/13/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/27/68-03/13/79	23	21.1	18.891	27.2	6.7	43.348	6.584	8.2	13.	23.9	26.64
00300	OXYGEN, DISSOLVED MG/L	08/27/68-03/13/79	24	7.95	8.329	14.2	5.1	4.133	2.033	6.3	6.775	9.075	11.4
00400	PH (STANDARD UNITS)	08/27/68-03/13/79	23	8.7	8.626	9.2	7.6	0.169	0.411	7.82	8.5	9.	9.06
00400	CONVERTED PH (STANDARD UNITS)	08/27/68-03/13/79	23	8.7	8.383	9.2	7.6	0.231	0.481	7.82	8.5	9.	9.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/27/68-03/13/79	23	0.002	0.004	0.025	0.001	0.	0.006	0.001	0.001	0.003	0.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/19/70-03/13/79	17 ##	0.05	0.135	1.099	0.05	0.065	0.255	0.05	0.05	0.075	0.412
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/19/70-03/13/79	19 ##	0.005	0.01	0.08	0.005	0.	0.017	0.005	0.005	0.005	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/19/70-05/12/76	11	0.02	0.038	0.21	0.005	0.004	0.06	0.005	0.01	0.025	0.182
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/19/70-08/16/78	12	0.25	0.292	0.7	0.05	0.037	0.192	0.05	0.2	0.45	0.64
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/19/70-03/13/79	9	10.	12.222	30.	5.	81.944	9.052	5.	5.	20.	30.
01042	COPPER, TOTAL (UG/L AS CU)	03/19/70-03/13/79	9	10.	26.111	90.	5.	792.361	28.149	5.	5.	40.	90.
01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-03/13/79	9	10.	13.333	20.	5.	43.75	6.614	5.	7.5	20.	20.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/27/68-03/13/79	20	38.	192.975	2400.	1.5	281008.17	530.102	15.	15.	90.75	410.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/27/68-03/13/79	20	1.579	1.65	3.38	0.176	0.469	0.685	1.176	1.176	1.958	2.606
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506	GEOMETRIC MEAN =			44.713								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	20 ##	40.	29.625	50.	0.001	469.785	21.675	1.5	5.25	50.	50.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/71-03/13/79	20 ##	1.602	1.04	1.699	-3.301	1.362	1.167	0.176	0.69	1.699	1.699
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.973								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/19/70-08/16/78	14 ##	0.05	0.082	0.4	0.05	0.009	0.095	0.05	0.05	0.05	0.275
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/19/70-03/13/79	17 ##	0.02	0.029	0.1	0.005	0.001	0.027	0.005	0.005	0.05	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0200

NPS Station ID: COLO0200 LAT/LON: 37.276115/ -76.585560 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05126
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.160 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.36 RF3 Mile Point: 2.35 Distance from RF3: 0.15 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	04/24/80-04/24/80	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	87	9.	27.178	240.	1.5	1502.895	38.767	1.5	4.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	87	0.954	1.048	2.38	0.176	0.374	0.611	0.176	0.602	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.179								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	36	9.1	41.378	1100.	1.5	33124.089	182.	1.5	1.5	9.1	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	36	0.959	0.818	3.041	0.176	0.397	0.63	0.176	0.176	0.959	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			6.582								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-04/13/82	22 ##	5.	108.409	1510.	5.	105446.158	324.725	5.	5.	52.5	318.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-04/13/82	22 ##	0.699	1.163	3.179	0.699	0.551	0.742	0.699	0.699	1.719	2.492
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			14.569								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-10/17/79	32 ##	1.5	16.844	460.	1.5	6546.265	80.909	1.5	1.5	2.625	7.8
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/20/73-10/17/79	32 ##	0.176	0.374	2.663	0.176	0.238	0.488	0.176	0.176	0.402	0.878
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			2.367								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	121	0.	0.098	1.37	0.	0.058	0.24	0.	0.	0.025	0.356
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	121	0.55	0.871	4.7	0.	0.982	0.991	0.	0.135	1.31	2.082

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0200

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	87	1	0.01	22	0	0.00	32	1	0.03	33	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1971 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	5	23.	60.5	240.	1.5	10146.	100.727	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	5	1.362	1.291	2.38	0.176	0.613	0.783	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			19.551								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	9.5	24.7	93.	1.5	927.233	30.451	1.5	1.5	43.	88.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.889	0.935	1.968	0.176	0.556	0.746	0.176	0.176	1.633	1.935
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.613								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	19.	38.125	150.	1.5	2323.097	48.199	2.25	4.	80.5	132.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	1.269	1.186	2.176	0.176	0.441	0.664	0.304	0.602	1.885	2.114
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.341								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.028	0.3	0.	0.007	0.086	0.	0.	0.008	0.219
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.32	0.944	4.7	0.	1.794	1.34	0.	0.04	1.355	3.842

** - Less than 9 observations ## - Computed with 50% or 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 COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15	9.	29.233	93.	1.5	1288.674	35.898	1.5	1.5	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15	0.954	1.012	1.968	0.176	0.532	0.73	0.176	0.176	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.277								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	0.	0.068	0.61	0.	0.027	0.163	0.	0.	0.06	0.382
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	1.	1.032	2.82	0.11	0.532	0.729	0.128	0.53	1.38	2.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	6.5	26.	93.	4.	1377.273	37.112	4.	4.	58.5	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.778	1.024	1.968	0.602	0.326	0.571	0.602	0.602	1.645	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.566								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	9.	21.708	93.	1.5	725.294	26.931	2.25	4.	38.	78.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.954	1.038	1.968	0.176	0.3	0.548	0.304	0.602	1.566	1.868
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.905								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	23.	15.818	39.	1.5	153.114	12.374	1.5	4.	23.	35.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	1.362	0.992	1.591	0.176	0.268	0.518	0.176	0.602	1.362	1.545
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.814								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.124	1.01	0.	0.089	0.299	0.	0.	0.11	0.836
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.54	1.278	4.57	0.	2.536	1.593	0.	0.43	1.67	4.486

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	15.	17.357	43.	1.5	192.56	13.877	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	1.176	1.073	1.633	0.176	0.227	0.476	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.82								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.633	1.633	1.633	1.633	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			43.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.075	0.62	0.	0.032	0.18	0.	0.	0.04	0.48
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.29	0.692	2.32	0.	0.691	0.831	0.004	0.025	1.485	2.18

** - 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 1981 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

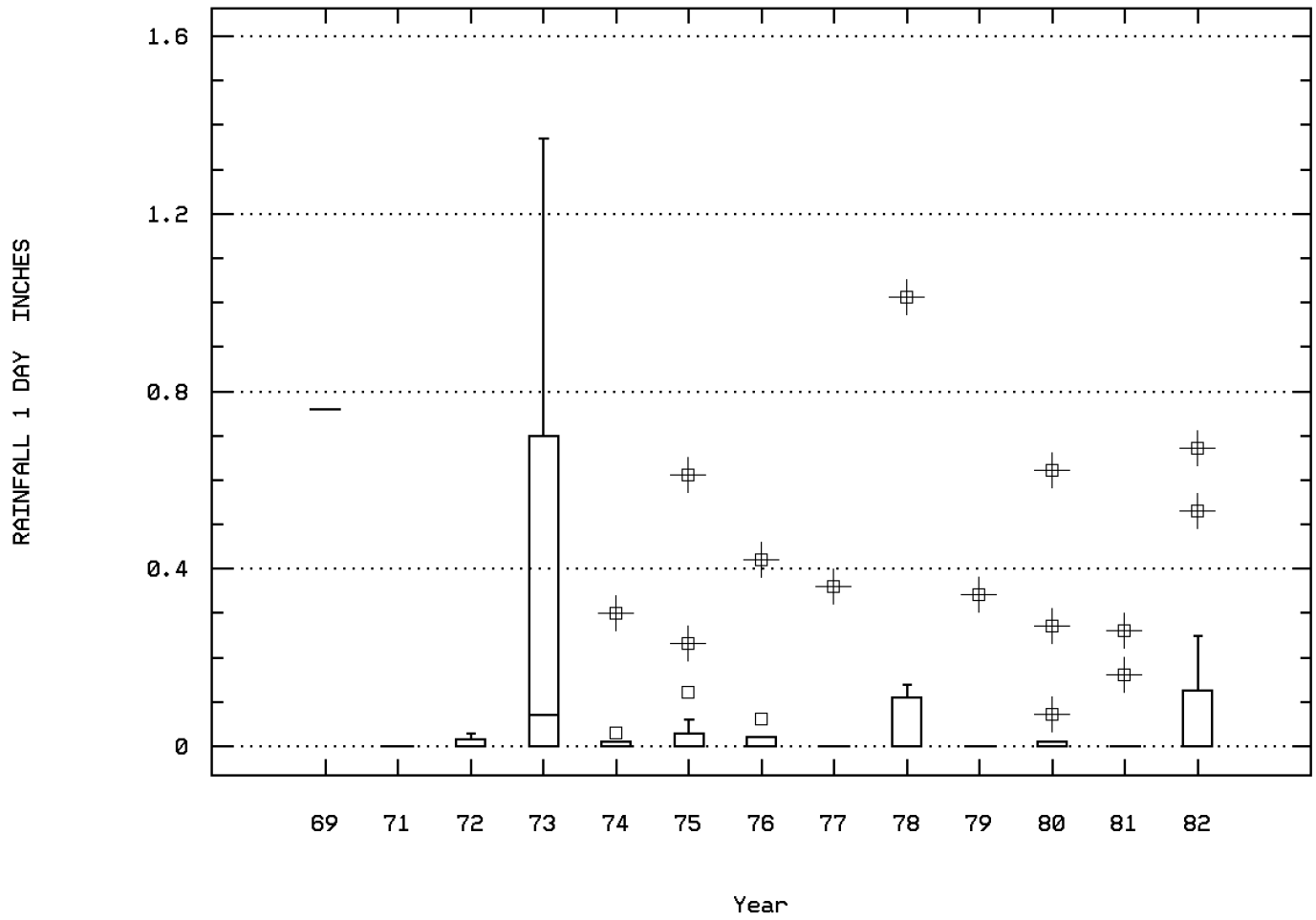
Annual Analysis for 1982 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00200 Parameter Code: 82553

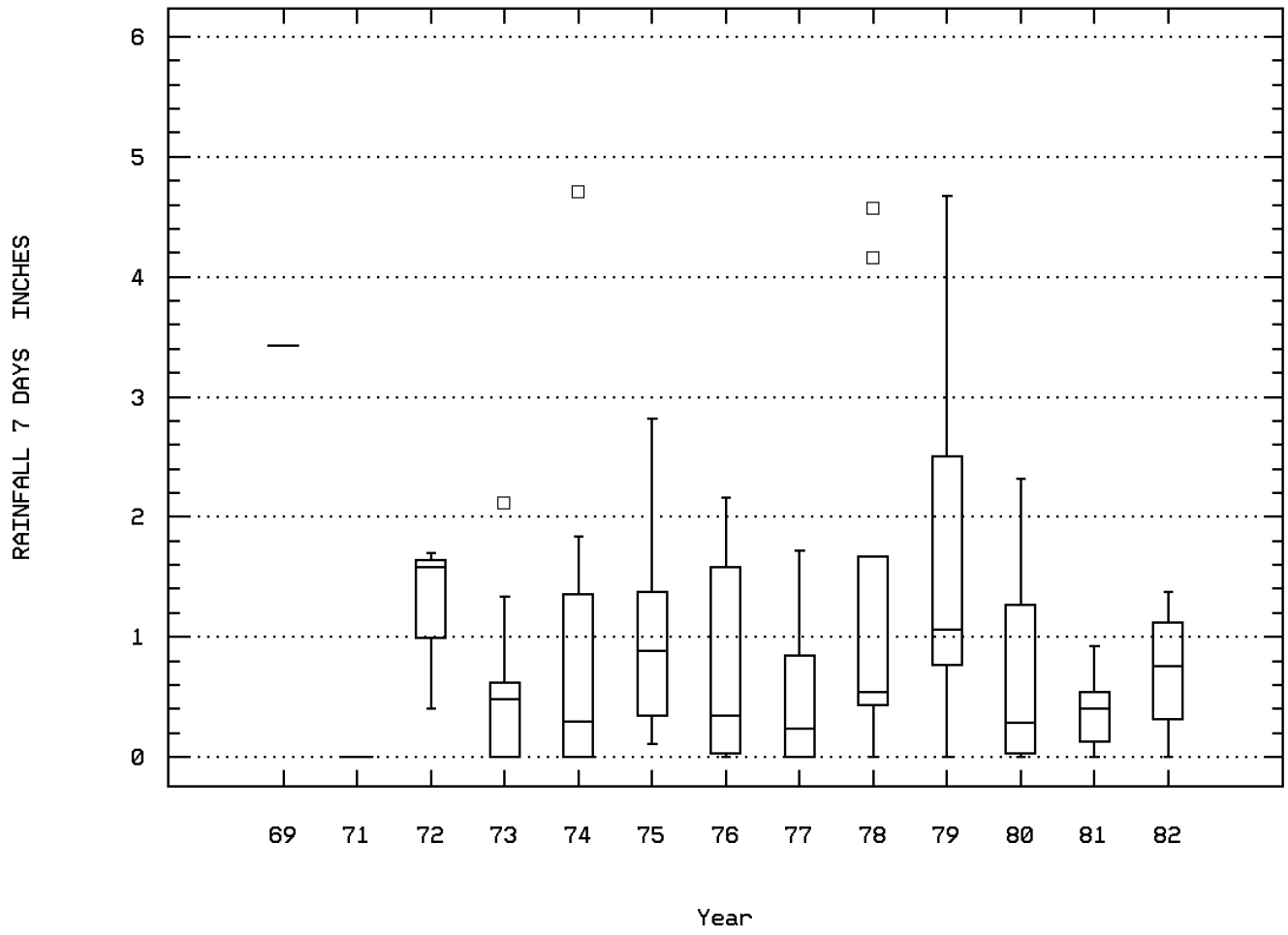
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00200 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	22	9.	28.409	93.	1.5	951.277	30.843	2.25	4.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	22	0.954	1.15	1.968	0.176	0.326	0.571	0.304	0.602	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.115								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-10/17/79	6 ##	1.5	78.333	460.	1.5	34961.667	186.98	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/20/73-10/17/79	6 ##	0.176	0.662	2.663	0.176	0.99	0.995	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			4.587								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.	0.127	0.82	0.	0.062	0.248	0.	0.	0.11	0.658
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.72	1.247	4.7	0.	2.052	1.432	0.	0.11	1.81	4.342

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	32	9.	32.609	240.	1.5	2791.592	52.836	1.5	4.	23.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	32	0.954	1.055	2.38	0.176	0.42	0.648	0.176	0.602	1.362	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.34								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-10/17/79	13 ##	1.5	3.692	14.	1.5	14.564	3.816	1.5	1.5	4.5	12.
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/20/73-10/17/79	13 ##	0.176	0.416	1.146	0.176	0.119	0.346	0.176	0.176	0.651	1.069
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			2.608								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	44	0.	0.06	1.01	0.	0.036	0.19	0.	0.	0.	0.205
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	44	0.58	0.76	2.5	0.	0.451	0.671	0.	0.16	1.32	1.685

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	33	15.	21.091	93.	1.5	641.648	25.331	1.5	2.75	23.	62.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	33	1.176	0.975	1.968	0.176	0.371	0.609	0.176	0.389	1.362	1.778
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.437								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-10/17/79	13 ##	1.5	1.615	3.	1.5	0.173	0.416	1.5	1.5	1.5	2.4
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/20/73-10/17/79	13 ##	0.176	0.199	0.477	0.176	0.007	0.083	0.176	0.176	0.176	0.357
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			1.582								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	46	0.	0.113	1.37	0.	0.076	0.275	0.	0.	0.078	0.453
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	46	0.435	0.725	4.15	0.	0.689	0.83	0.	0.075	1.063	1.745

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0201

NPS Station ID: COLO0201 LAT/LON: 37.277781/ -76.592781 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05130
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.550 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.22 RF3 Mile Point: 2.22 Distance from RF3: 0.20 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0201

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-01/08/80	17	23.	39.353	240.	1.5	3502.086	59.178	1.5	5.5	43.	122.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	12/15/77-01/08/80	17	1.362	1.21	2.38	0.176	0.396	0.629	0.176	0.724	1.633	2.051
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.211								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	21	23.	135.938	1100.	1.5	105909.009	325.437	1.5	1.5	93.	928.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	21	1.362	1.143	3.041	0.176	0.935	0.967	0.176	0.176	1.968	2.909
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			13.894								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	12/15/77-12/20/82	38	0.	0.114	1.01	0.	0.068	0.26	0.	0.	0.103	0.544
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	12/15/77-12/20/82	38	0.635	0.999	4.67	0.	1.447	1.203	0.	0.238	1.238	2.665

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0201

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	17	1	0.06	4	1	0.25	7	0	0.00	6	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0202

NPS Station ID: COLO0202 LAT/LON: 37.278615/ -76.575838 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05124
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 12.770 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.36 RF3 Mile Point: 2.35 Distance from RF3: 0.22 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	87	4.	7.856	93.	1.5	196.186	14.007	1.5	1.5	9.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	87	0.602	0.594	1.968	0.176	0.204	0.451	0.176	0.176	0.954	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.927								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	36 ##	2.25	9.975	150.	1.5	675.692	25.994	1.5	1.5	6.375	29.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	36 ##	0.327	0.54	2.176	0.176	0.254	0.503	0.176	0.176	0.787	1.443
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.464								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	122	0.	0.092	1.37	0.	0.055	0.234	0.	0.	0.023	0.328
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	122	0.545	0.868	4.7	0.	0.975	0.987	0.	0.155	1.295	2.068

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0202

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	87	0	0.00	22	0	0.00	32	0	0.00	33	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.362	1.362	1.362	1.362	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1971 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1 ##	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.5								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	13.5	25.875	75.	1.5	1164.729	34.128	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	4	0.982	1.004	1.875	0.176	0.578	0.76	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.086								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	2.75	8.25	23.	1.5	95.736	9.784	1.5	1.5	21.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10 ##	0.389	0.613	1.362	0.176	0.287	0.535	0.176	0.176	1.332	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.102								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	4.	5.308	23.	1.5	36.272	6.023	1.5	1.5	8.	17.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	0.602	0.537	1.362	0.176	0.16	0.4	0.176	0.176	0.9	1.199
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.442								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15	4.	4.833	9.	1.5	10.417	3.227	1.5	1.5	9.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15	0.602	0.577	0.954	0.176	0.108	0.329	0.176	0.176	0.954	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.78								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	0.	0.068	0.61	0.	0.027	0.163	0.	0.	0.06	0.382
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	1.	1.032	2.82	0.11	0.532	0.729	0.128	0.53	1.38	2.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	3.5	7.708	43.	1.5	159.021	12.61	1.5	1.5	4.	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	0.54	0.563	1.633	0.176	0.231	0.481	0.176	0.176	0.602	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.659								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	1.5	4.125	23.	1.5	36.778	6.065	1.5	1.5	4.	17.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12 ##	0.176	0.417	1.362	0.176	0.131	0.361	0.176	0.176	0.602	1.134
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.611								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	3.	4.045	9.	1.5	10.823	3.29	1.5	1.5	9.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	0.477	0.482	0.954	0.176	0.115	0.339	0.176	0.176	0.954	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.032								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.124	1.01	0.	0.089	0.299	0.	0.	0.11	0.836
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.54	1.278	4.57	0.	2.536	1.593	0.	0.43	1.67	4.486

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	4.	7.429	23.	4.	50.619	7.115	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	0.602	0.761	1.362	0.602	0.087	0.296	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.766								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	93.	93.	93.	93.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.968	1.968	1.968	1.968	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			93.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.027	0.27	0.	0.006	0.076	0.	0.	0.005	0.19
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.29	0.703	2.32	0.	0.677	0.823	0.004	0.055	1.485	2.18

** - 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 1981 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

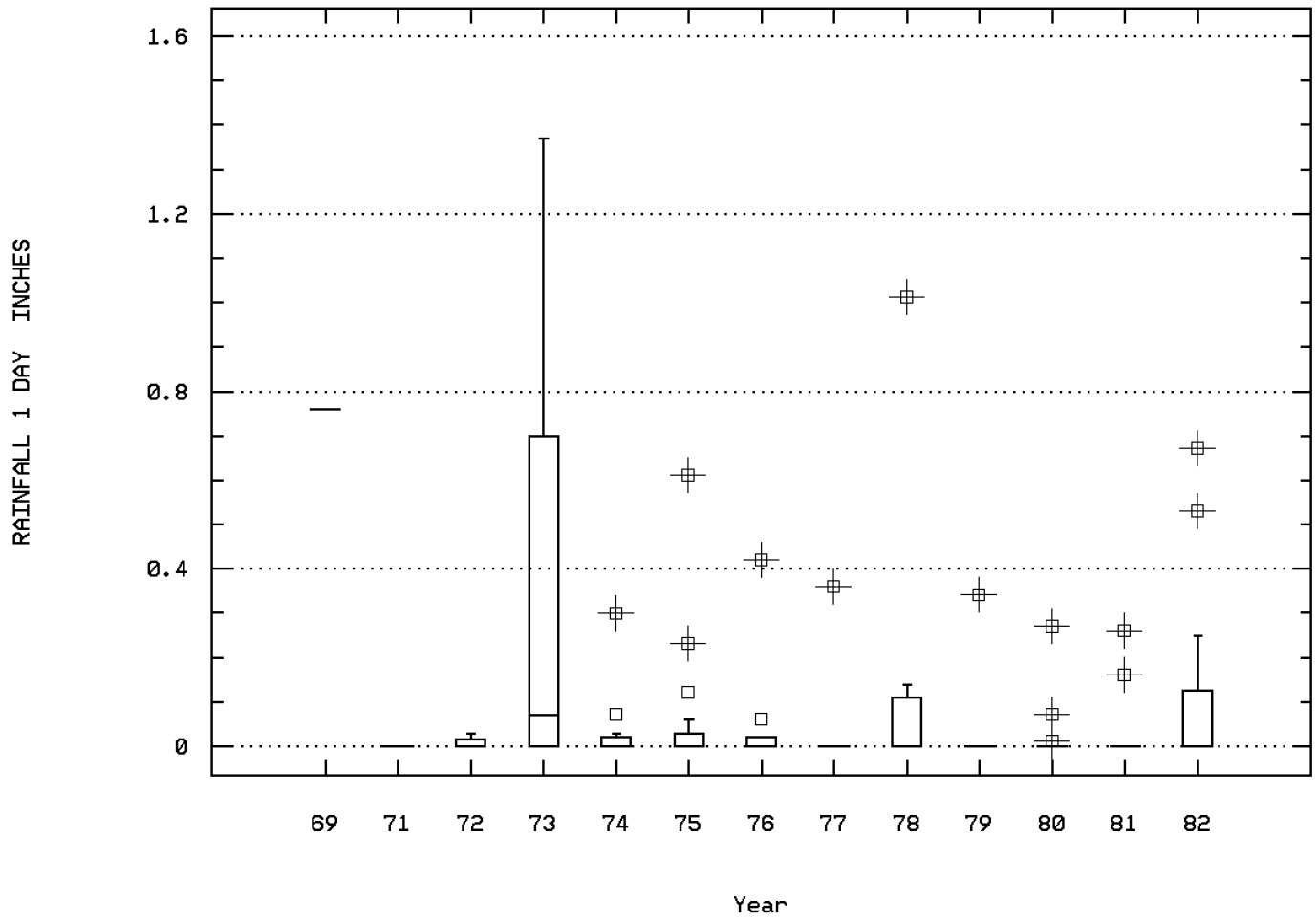
Annual Analysis for 1982 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00202 Parameter Code: 82553

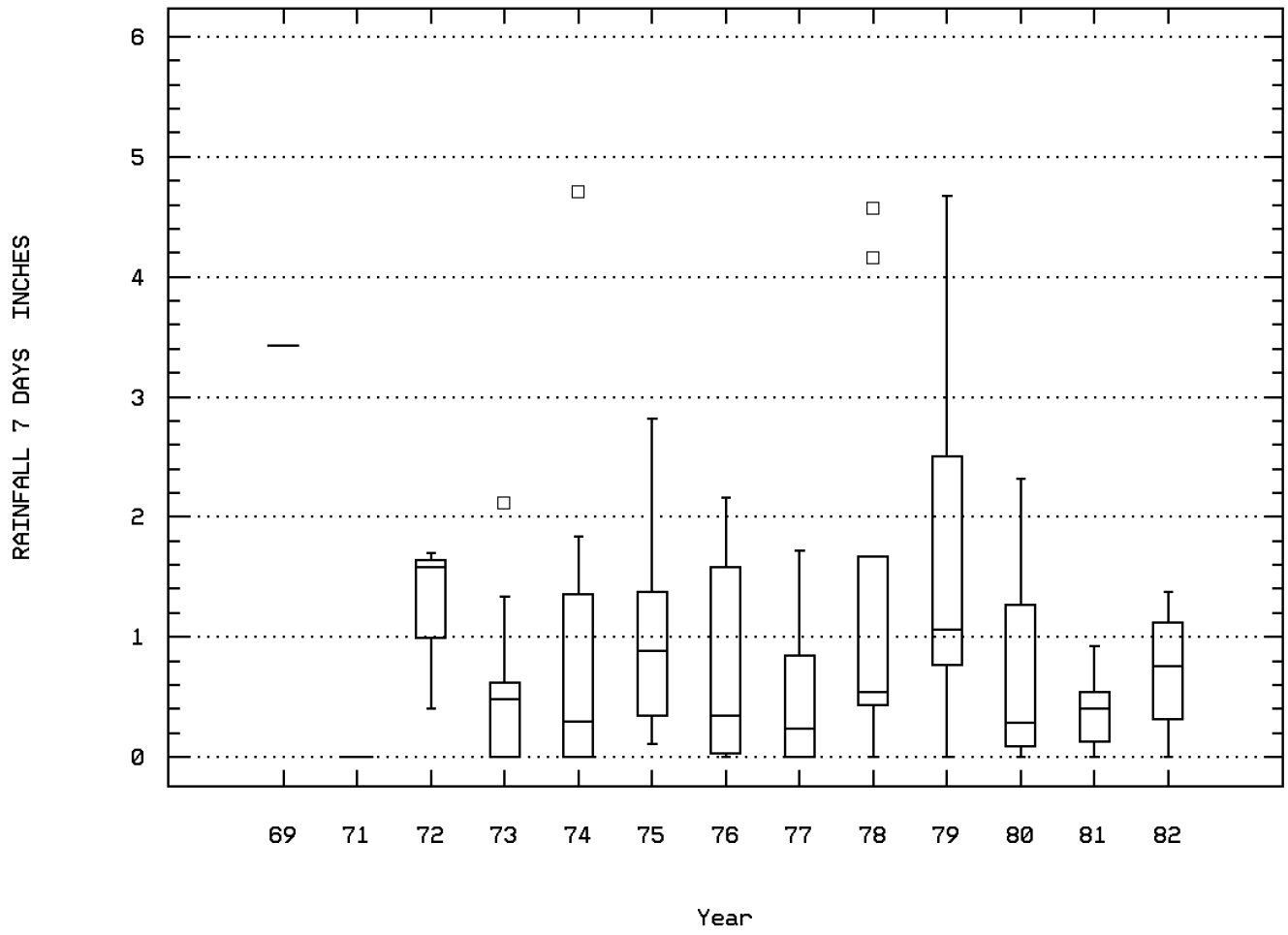
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00202 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	22	4.	6.114	23.	1.5	49.76	7.054	1.5	1.5	9.	22.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	22	0.602	0.572	1.362	0.176	0.175	0.418	0.176	0.176	0.954	1.35
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.732								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.	0.127	0.82	0.	0.062	0.248	0.	0.	0.11	0.658
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.72	1.247	4.7	0.	2.052	1.432	0.	0.11	1.81	4.342

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	32	4.	12.531	93.	1.5	418.951	20.468	1.5	1.5	19.5	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	32	0.602	0.745	1.968	0.176	0.282	0.531	0.176	0.176	1.26	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.559								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	45	0.	0.059	1.01	0.	0.035	0.188	0.	0.	0.	0.196
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	45	0.58	0.747	2.5	0.	0.448	0.67	0.	0.16	1.3	1.682

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	33	3.	4.485	43.	1.5	53.07	7.285	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	33	0.477	0.462	1.633	0.176	0.118	0.343	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.9								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	46	0.	0.102	1.37	0.	0.07	0.265	0.	0.	0.07	0.378
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	46	0.435	0.731	4.15	0.	0.682	0.826	0.	0.158	1.063	1.745

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0203

NPS Station ID: COLO0203 LAT/LON: 37.278892/ -76.585560 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05127
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.300 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107027900.65 RF3 Mile Point: 1.48 Distance from RF3: 0.07 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	07/14/69-06/30/71	2	18.25	18.25	22.1	14.4	29.645	5.445	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	86	19.	51.215	460.	1.5	9047.921	95.121	1.5	6.25	43.	129.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	86	1.269	1.213	2.663	0.176	0.455	0.675	0.176	0.784	1.633	2.108
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.337								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	32	3.6	34.159	460.	1.5	7867.552	88.699	1.5	1.5	23.	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	32	0.556	0.862	2.663	0.176	0.526	0.725	0.176	0.176	1.362	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			7.278								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	01/24/73-01/24/73	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	01/24/73-01/24/73	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			4.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	117	0.	0.11	1.37	0.	0.065	0.255	0.	0.	0.06	0.442
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	117	0.55	0.882	4.7	0.	1.002	1.001	0.	0.15	1.31	2.114

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0203

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	86	7	0.08	23	4	0.17	30	1	0.03	33	2	0.06			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1969 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	3.43	3.43	3.43	3.43	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 box-and-whisker plot

Annual Analysis for 1971 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	5	9.	21.2	43.	4.	399.2	19.98	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	5	0.954	1.134	1.633	0.602	0.224	0.474	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			13.604								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	0.03	0.32	0.91	0.	0.188	0.434	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	5	1.58	1.31	1.89	0.4	0.375	0.612	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	9.	25.6	93.	1.5	1330.378	36.474	1.5	1.5	40.5	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	0.954	0.927	1.968	0.176	0.534	0.731	0.176	0.176	1.513	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			8.459								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	9.	55.308	240.	1.5	7381.856	85.918	1.5	3.5	68.	240.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	13	0.954	1.204	2.38	0.176	0.578	0.76	0.176	0.54	1.801	2.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.995								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15	15.	78.833	460.	1.5	17615.024	132.722	1.5	4.	93.	328.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	15	1.176	1.26	2.663	0.176	0.685	0.828	0.176	0.602	1.968	2.493
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.182								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	0.	0.068	0.61	0.	0.027	0.163	0.	0.	0.06	0.382
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	15	1.	1.032	2.82	0.11	0.532	0.729	0.128	0.53	1.38	2.406

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	16.	68.2	460.	4.	19664.844	140.231	4.5	9.	55.5	423.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	10	1.158	1.341	2.663	0.602	0.375	0.612	0.637	0.954	1.717	2.593
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			21.914								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.	0.05	0.42	0.	0.017	0.131	0.	0.	0.03	0.384
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	10	0.25	0.614	2.16	0.	0.582	0.763	0.	0.023	1.25	2.102

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	23.	27.917	93.	1.5	647.856	25.453	1.5	9.	43.	78.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	12	1.362	1.215	1.968	0.176	0.316	0.562	0.176	0.954	1.633	1.868
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.395								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	9.	21.273	75.	1.5	556.968	23.6	1.5	4.	43.	68.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	11	0.954	1.02	1.875	0.176	0.353	0.594	0.176	0.602	1.633	1.827
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.474								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.124	1.01	0.	0.089	0.299	0.	0.	0.11	0.836
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.54	1.278	4.57	0.	2.536	1.593	0.	0.43	1.67	4.486

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	43.	119.143	460.	15.	25377.81	159.304	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	7	1.633	1.779	2.663	1.176	0.294	0.542	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			60.079								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	1	1.633	1.633	1.633	1.633	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			43.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.032	0.27	0.	0.007	0.082	0.	0.	0.01	0.23
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.39	0.807	2.32	0.	0.735	0.857	0.002	0.02	1.7	2.25

** - 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 1981 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.	0.047	0.26	0.	0.009	0.096	0.	0.	0.08	0.26
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	9	0.4	0.441	1.38	0.	0.203	0.45	0.	0.065	0.68	1.38

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

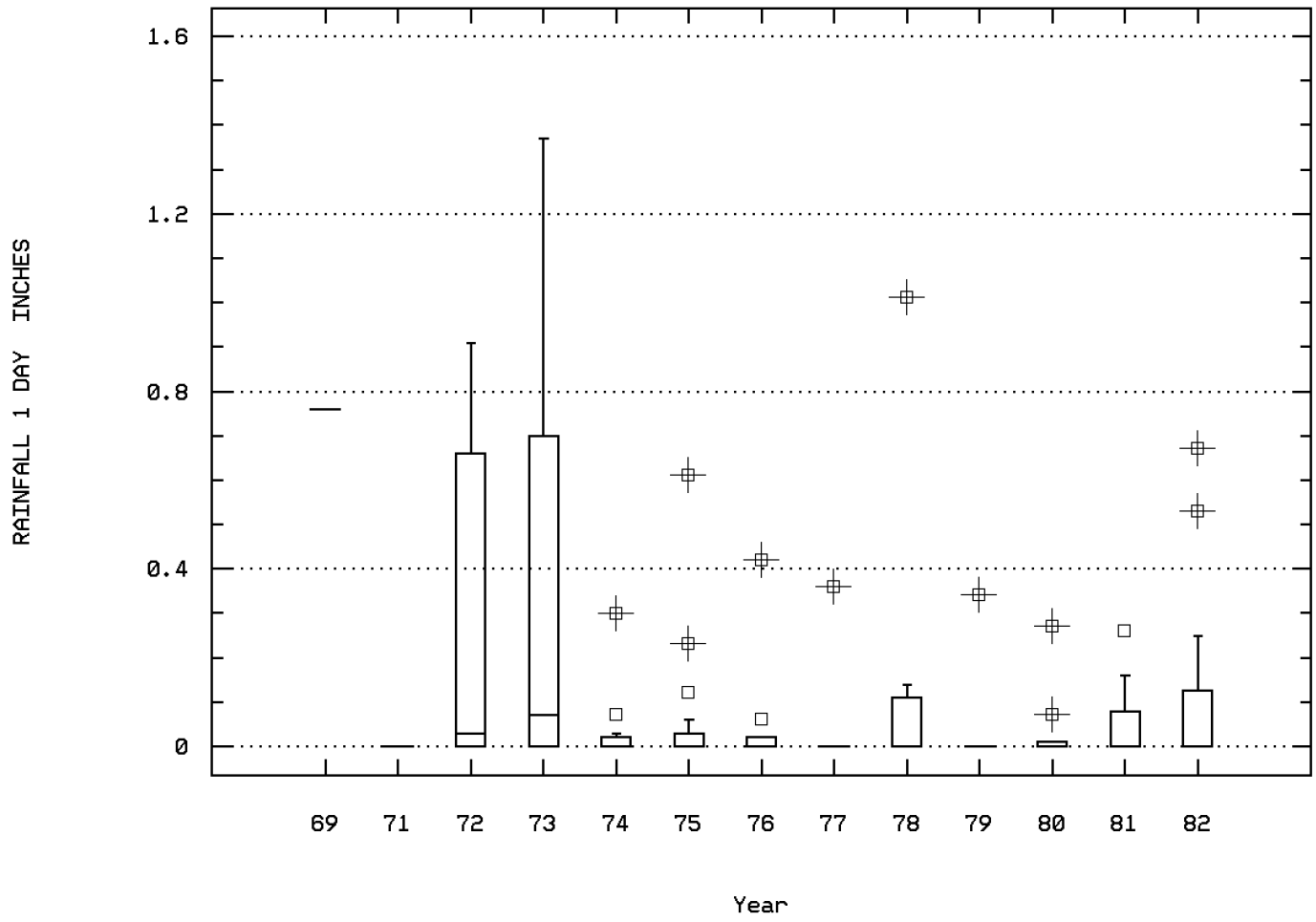
Annual Analysis for 1982 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00203 Parameter Code: 82553

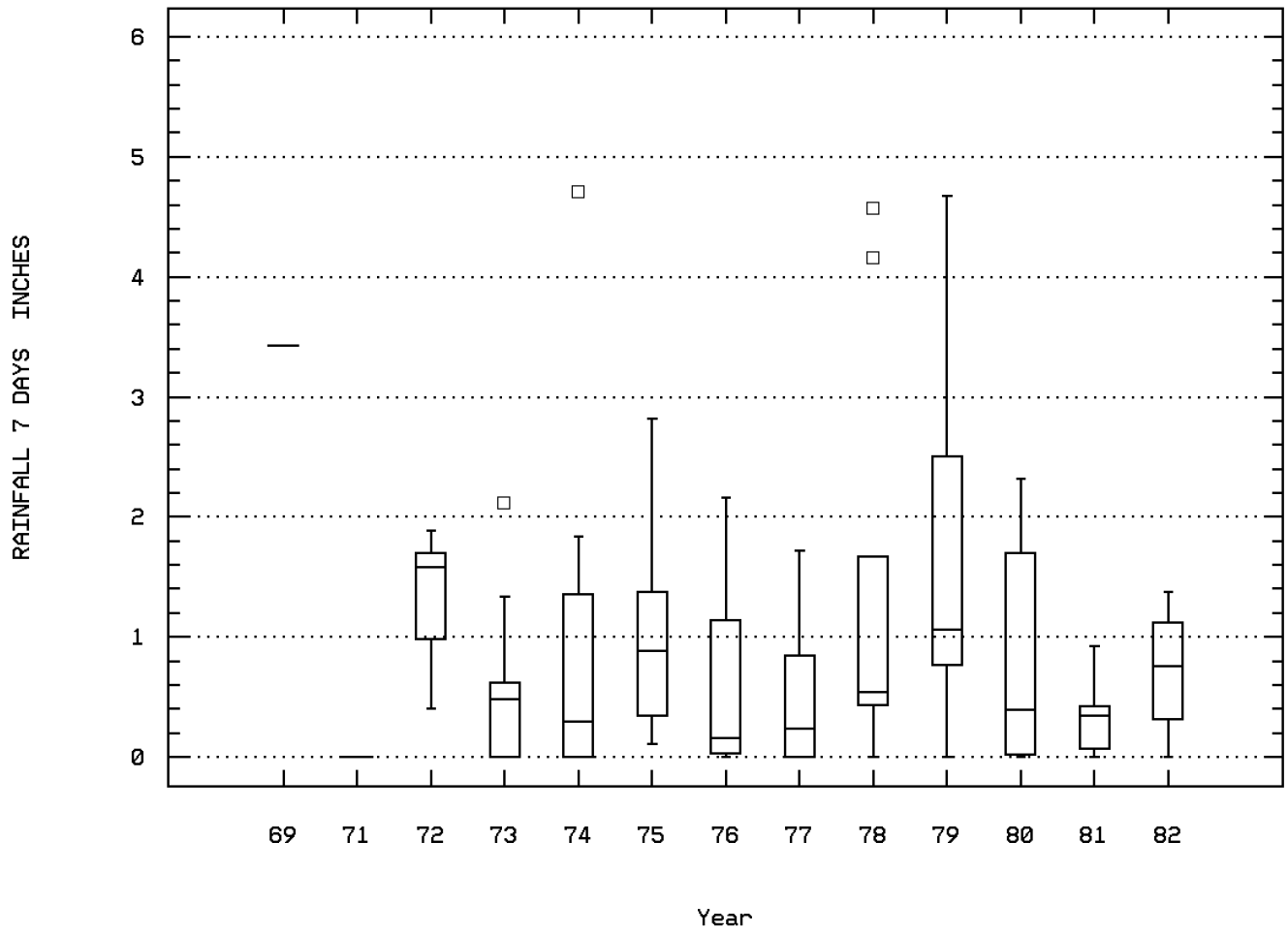
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00203 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	23	23.	73.674	460.	1.5	13183.105	114.818	1.5	7.	93.	240.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	23	1.362	1.348	2.663	0.176	0.56	0.748	0.176	0.845	1.968	2.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			22.265								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.	0.177	0.91	0.	0.088	0.296	0.	0.	0.27	0.742
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	31	0.72	1.256	4.7	0.	2.051	1.432	0.	0.11	1.84	4.342

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	9.	24.65	240.	1.5	1880.434	43.364	1.5	4.	28.	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	30	0.954	1.054	2.38	0.176	0.313	0.559	0.176	0.602	1.43	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			11.319								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.	0.063	1.01	0.	0.038	0.194	0.	0.	0.003	0.223
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	42	0.565	0.745	2.5	0.	0.455	0.675	0.	0.153	1.28	1.691

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	33	23.	59.712	460.	1.5	12167.422	110.306	1.5	5.5	68.	138.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/69-01/08/80	33	1.362	1.264	2.663	0.176	0.501	0.708	0.176	0.724	1.801	2.137
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.381								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	44	0.	0.106	1.37	0.	0.073	0.27	0.	0.	0.07	0.39
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/14/69-12/20/82	44	0.435	0.75	4.15	0.	0.703	0.838	0.	0.208	1.068	1.855

** - Less than 9 observations ## - Computed 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: COLO0204

NPS Station ID: COLO0204 LAT/LON: 37.279170/ -76.589726 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05129
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.450 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107027900.65 RF3 Mile Point: 1.43 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	59	23.	65.229	1100.	1.5	26270.572	162.082	3.	9.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	59	1.362	1.32	3.041	0.176	0.401	0.633	0.477	0.954	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			20.878								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	30	8.2	35.97	240.	1.5	3820.601	61.811	1.5	1.5	43.	144.3
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	30	0.911	0.994	2.38	0.176	0.527	0.726	0.176	0.176	1.633	2.155
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.868								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	20	10.	124.	1420.	5.	101572.632	318.705	5.	5.	95.	309.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	05/25/78-05/24/82	20	1.	1.347	3.152	0.699	0.571	0.756	0.699	0.699	1.956	2.49
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			22.251								
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	02/20/73-03/30/78	23	4.	19.174	240.	1.5	2724.059	52.193	1.5	1.5	4.	73.
31677	LOG FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678	02/20/73-03/30/78	23	0.602	0.645	2.38	0.176	0.351	0.593	0.176	0.176	0.602	1.834
31677	GM FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	GEOMETRIC MEAN =			4.416								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	89	0.	0.099	1.37	0.	0.062	0.25	0.	0.	0.045	0.3
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	89	0.55	0.893	4.7	0.	1.038	1.019	0.	0.235	1.275	1.97

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0204

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	59	4	0.07	14	2	0.14	24	1	0.04	21	1	0.05			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	3	43.	42.333	75.	9.	1089.333	33.005	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	3	1.633	1.488	1.875	0.954	0.228	0.477	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			30.732								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	3	0.	0.01	0.03	0.	0.	0.017	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	3	1.58	1.227	1.7	0.4	0.516	0.718	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	9	23.	37.222	93.	4.	1212.194	34.817	4.	6.5	68.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	9	1.362	1.343	1.968	0.602	0.275	0.525	0.602	0.778	1.801	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			22.022								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.12	0.362	1.37	0.	0.241	0.491	0.	0.	0.76	1.37
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.54	0.623	2.11	0.	0.492	0.702	0.	0.	0.98	2.11

** - 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 1974 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	33.	152.292	1100.	1.5	105056.839	324.125	1.95	5.25	67.	908.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12	1.498	1.451	3.041	0.176	0.712	0.844	0.266	0.69	1.815	2.928
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			28.252								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.	0.034	0.3	0.	0.007	0.086	0.	0.	0.025	0.231
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.325	0.97	4.7	0.	1.749	1.323	0.	0.193	1.355	3.842

** - Less than 9 observations ## - Computed with 50% or 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 COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	13	23.	79.308	460.	9.	16966.397	130.255	9.	12.	68.	372.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	13	1.362	1.538	2.663	0.954	0.287	0.536	0.954	1.065	1.801	2.55
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			34.529								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	13	0.	0.032	0.23	0.	0.005	0.07	0.	0.	0.03	0.186
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	13	1.	0.982	2.82	0.11	0.501	0.708	0.122	0.415	1.32	2.268

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	4	6.5	9.375	23.	1.5	92.229	9.604	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	4	0.778	0.774	1.362	0.176	0.255	0.505	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.936								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	4	0.13	0.15	0.34	0.	0.02	0.143	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	75.	75.	75.	75.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	1.875	1.875	1.875	1.875	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			75.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	1	0.79	0.79	0.79	0.79	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	11	9.	21.5	93.	1.5	774.4	27.828	1.5	1.5	39.	83.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	11	0.954	0.974	1.968	0.176	0.4	0.633	0.176	0.176	1.591	1.901
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.409								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.	0.124	1.01	0.	0.089	0.299	0.	0.	0.11	0.836
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.54	1.278	4.57	0.	2.536	1.593	0.	0.43	1.67	4.486

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	5	23.	27.2	43.	4.	268.2	16.377	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	5	1.362	1.318	1.633	0.602	0.179	0.423	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			20.82								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	7	0.	0.191	1.	0.	0.143	0.378	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	7	0.97	1.564	4.67	0.	2.498	1.58	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	1.633	1.633	1.633	1.633	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			43.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.	0.035	0.27	0.	0.007	0.085	0.	0.	0.025	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.535	0.888	2.32	0.01	0.737	0.858	0.011	0.178	1.768	2.285

** - 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 box-and-whisker plot

Annual Analysis for 1981 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.	0.018	0.16	0.	0.003	0.053	0.	0.	0.	0.16
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.41	0.486	1.38	0.	0.216	0.465	0.	0.065	0.86	1.38

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.	0.145	0.67	0.	0.065	0.254	0.	0.	0.32	0.656
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.61	0.618	1.28	0.	0.217	0.466	0.002	0.185	1.093	1.271

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	14	43.	87.143	460.	9.	15031.516	122.603	9.	18.	93.	350.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	14	1.633	1.655	2.663	0.954	0.26	0.51	0.954	1.23	1.968	2.521
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			45.148								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	21	0.	0.107	0.82	0.	0.054	0.233	0.	0.	0.065	0.604
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	21	0.8	1.393	4.7	0.	2.456	1.567	0.004	0.125	1.975	4.65

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	24	23.	46.188	460.	1.5	8430.605	91.818	1.5	5.25	43.	84.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	24	1.362	1.248	2.663	0.176	0.4	0.633	0.176	0.69	1.633	1.922
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.684								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	35	0.	0.076	1.01	0.	0.044	0.21	0.	0.	0.02	0.27
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	35	0.55	0.784	2.5	0.	0.504	0.71	0.	0.16	1.36	1.808

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	21	23.	72.381	1100.	1.5	55894.023	236.419	1.8	4.	33.	83.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	21	1.362	1.179	3.041	0.176	0.428	0.654	0.236	0.602	1.498	1.901
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.094								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	33	0.	0.118	1.37	0.	0.089	0.299	0.	0.	0.085	0.41
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	33	0.44	0.692	4.15	0.	0.565	0.752	0.	0.295	0.965	1.316

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0205

NPS Station ID: COLO0205 LAT/LON: 37.280004/ -76.586949 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05128
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 13.450 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107027900.65 RF3 Mile Point: 1.43 Distance from RF3: 0.05 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	40	15.	59.95	1100.	1.5	30650.587	175.073	1.75	4.	43.	144.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	40	1.176	1.198	3.041	0.176	0.434	0.659	0.219	0.602	1.633	2.155
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.787								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-06/23/81	16	9.1	34.644	240.	1.5	3871.527	62.222	1.5	1.5	23.	137.1
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-06/23/81	16	0.959	0.981	2.38	0.176	0.558	0.747	0.176	0.176	1.362	2.092
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			9.574								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	54	0.	0.072	1.01	0.	0.043	0.208	0.	0.	0.	0.305
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	54	0.605	0.98	4.67	0.	1.261	1.123	0.	0.143	1.513	2.41

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0205

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	40	2	0.05	10	1	0.10	12	0	0.00	18	1	0.06			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1976 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	8	0.	0.06	0.42	0.	0.022	0.147	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	8	0.885	0.991	2.16	0.	0.659	0.812	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	11	0.	0.124	1.01	0.	0.089	0.299	0.	0.	0.11	0.836
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	11	0.54	1.278	4.57	0.	2.536	1.593	0.	0.43	1.67	4.486

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	10	0.	0.035	0.27	0.	0.007	0.085	0.	0.	0.025	0.25
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	10	0.535	0.888	2.32	0.01	0.737	0.858	0.011	0.178	1.768	2.285

** - 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 box-and-whisker plot

Annual Analysis for 1981 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	5	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	04/28/76-06/23/81	5	0.41	0.412	0.92	0.	0.111	0.333	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	10	9.	40.3	210.	4.	4345.789	65.923	4.	4.	55.5	198.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	10	0.954	1.16	2.322	0.602	0.4	0.632	0.602	0.602	1.717	2.287
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.463								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	12	9.	25.042	150.	1.5	1754.521	41.887	1.5	2.125	35.	117.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	12	0.954	0.965	2.176	0.176	0.422	0.649	0.176	0.283	1.534	2.013
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.225								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	18	23.	94.139	1100.	1.5	64555.112	254.077	3.75	9.	55.5	245.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/12/72-01/08/80	18	1.362	1.375	3.041	0.176	0.439	0.663	0.559	0.954	1.717	2.263
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			23.713								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0206

NPS Station ID: COLO0206 LAT/LON: 37.283615/ -76.691116 Agency: 21VASWCB Date Created: 06/26/93
Location: 15 YDS FROM SPILLWAY IN FOREST HILL PARK LAKE FIPS State/County: 51830 VIRGINIA/WILLIAMSBURG (CITY)
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 8-XCY000.76
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 02080107000801.14 RF3 Mile Point: 1.13 Distance from RF3: 1.19 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8- YORK REGION: 5 TIDEWATER
RIVER: UNNAMED TRIB TO QUEEN CREEK SECTION: 02 TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA
LAKE STATION

Parameter Inventory for Station: COLO0206

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/11/88-07/11/88	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/11/88-07/11/88	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/11/88-07/11/88	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/11/88-07/11/88	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/11/88-07/11/88	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/11/88-07/11/88	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/11/88-07/11/88	1	16000.	16000.	16000.	16000.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/11/88-07/11/88	1	4.204	4.204	4.204	4.204	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			16000.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0206

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0207

NPS Station ID: COLO0207 LAT/LON: 37.283892/ -76.579726 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05142
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 11.790 Distance from RF1: 11.60 On/Off RF1: OFF
RF3 Index: 02080107028100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-01/08/80	38	4.	6.013	43.	1.5	65.98	8.123	1.5	1.5	7.5	15.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-01/08/80	38	0.602	0.551	1.633	0.176	0.171	0.414	0.176	0.176	0.872	1.189
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.554								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	34 ##	1.5	18.556	240.	1.5	3219.61	56.742	1.5	1.5	3.6	33.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	34 ##	0.176	0.55	2.38	0.176	0.348	0.59	0.176	0.176	0.556	1.498
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.551								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	71	0.	0.08	1.01	0.	0.043	0.207	0.	0.	0.	0.326
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	71	0.55	0.877	4.67	0.	1.043	1.021	0.	0.13	1.27	2.122

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0207

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	38	0	0.00	8	0	0.00	12	0	0.00	18	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1974 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	8	0.	0.06	0.42	0.	0.022	0.147	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	8	0.885	0.991	2.16	0.	0.659	0.812	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	9	0.	0.139	1.01	0.	0.11	0.331	0.	0.	0.12	1.01
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	9	0.52	1.422	4.57	0.	3.04	1.744	0.	0.215	2.91	4.57

** - 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 1979 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	11	0.	0.032	0.27	0.	0.007	0.082	0.	0.	0.01	0.23
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	11	0.39	0.807	2.32	0.	0.735	0.857	0.002	0.02	1.7	2.25

** - 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 1981 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	17	0.	0.094	0.67	0.	0.035	0.187	0.	0.	0.16	0.406
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	17	0.4	1.094	4.67	0.	2.195	1.482	0.	0.02	1.71	4.59

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	24	0.	0.06	1.01	0.	0.044	0.211	0.	0.	0.	0.205
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	24	0.565	0.762	2.5	0.	0.533	0.73	0.	0.155	1.028	2.145

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	30	0.	0.087	1.	0.	0.048	0.219	0.	0.	0.018	0.414
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-12/20/82	30	0.61	0.845	4.15	0.	0.844	0.919	0.	0.21	1.273	2.102

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0208

NPS Station ID: COLO0208
LAT/LON: 37.285559/ -76.569171
Agency: CHESBAY
Date Created: 02/05/83
Location: VIMS STATION L53 - YORK RIVER
FIPS State/County: 51073 VIRGINIA/GLOUCESTER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): XQE7159
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK-YORK RIVERS
ECO Region:
RF1 Index: 02080107002
RF1 Mile Point: 11.340
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107000801.74
RF3 Mile Point: 1.86
Distance from RF3: 0.13
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0208

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0209

NPS Station ID: COLO0209 LAT/LON: 37.285837/ -76.581670 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05143
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 12.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.79 RF3 Mile Point: 2.78 Distance from RF3: 0.24 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	77	4.	5.792	43.	1.5	52.844	7.269	1.5	1.5	8.	16.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	77	0.602	0.547	1.633	0.176	0.163	0.404	0.176	0.176	0.9	1.205
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.522								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35 ##	1.5	6.857	93.	1.5	252.713	15.897	1.5	1.5	3.6	14.66
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35 ##	0.176	0.491	1.968	0.176	0.195	0.442	0.176	0.176	0.556	1.12
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			3.098								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	111	0.	0.089	1.37	0.	0.053	0.231	0.	0.	0.02	0.294
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	111	0.55	0.861	4.7	0.	0.948	0.974	0.	0.16	1.28	1.944

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0209

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	77	0	0.00	17	0	0.00	30	0	0.00	30	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	4	4.	5.25	9.	4.	6.25	2.5	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	4	0.602	0.69	0.954	0.602	0.031	0.176	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.899								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	4	1.585	1.318	1.7	0.4	0.377	0.614	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	10	5.	7.75	21.	1.5	56.792	7.536	1.5	1.5	12.	21.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	10	0.69	0.694	1.322	0.176	0.199	0.446	0.176	0.176	1.046	1.322
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.941								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.07	0.326	1.37	0.	0.227	0.477	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	10	0.48	0.594	2.11	0.	0.446	0.668	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	13 ##	1.5	4.308	23.	1.5	36.231	6.019	1.5	1.5	4.	17.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	13 ##	0.176	0.425	1.362	0.176	0.146	0.382	0.176	0.176	0.602	1.199
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.663								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	9	4.	8.778	23.	1.5	72.382	8.508	1.5	2.75	16.	23.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	9	0.602	0.754	1.362	0.176	0.195	0.441	0.176	0.389	1.158	1.362
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.682								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.	0.039	0.23	0.	0.007	0.082	0.	0.	0.06	0.23
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	1.01	1.026	2.13	0.14	0.348	0.59	0.14	0.59	1.35	2.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12 ##	1.5	5.458	23.	1.5	47.748	6.91	1.5	1.5	7.75	20.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12 ##	0.176	0.494	1.362	0.176	0.196	0.443	0.176	0.176	0.866	1.306
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.119								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12 ##	2.25	3.917	15.	1.5	16.856	4.106	1.5	1.5	4.	13.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	12 ##	0.327	0.445	1.176	0.176	0.116	0.341	0.176	0.176	0.602	1.11
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.789								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	9	4.	7.556	43.	1.5	180.153	13.422	1.5	1.5	5.5	43.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	9	0.602	0.554	1.633	0.176	0.229	0.478	0.176	0.176	0.724	1.633
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.584								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.	0.151	1.01	0.	0.107	0.327	0.	0.	0.125	1.01
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.72	1.502	4.57	0.	2.841	1.686	0.	0.465	2.91	4.57

** - 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 1979 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	7 ##	1.5	4.	9.	1.5	12.5	3.536	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	7 ##	0.176	0.459	0.954	0.176	0.139	0.372	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.879								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	1	0.602	0.602	0.602	0.602	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.	0.029	0.27	0.	0.006	0.078	0.	0.	0.008	0.21
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	12	0.34	0.754	2.32	0.	0.702	0.838	0.003	0.058	1.593	2.215

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

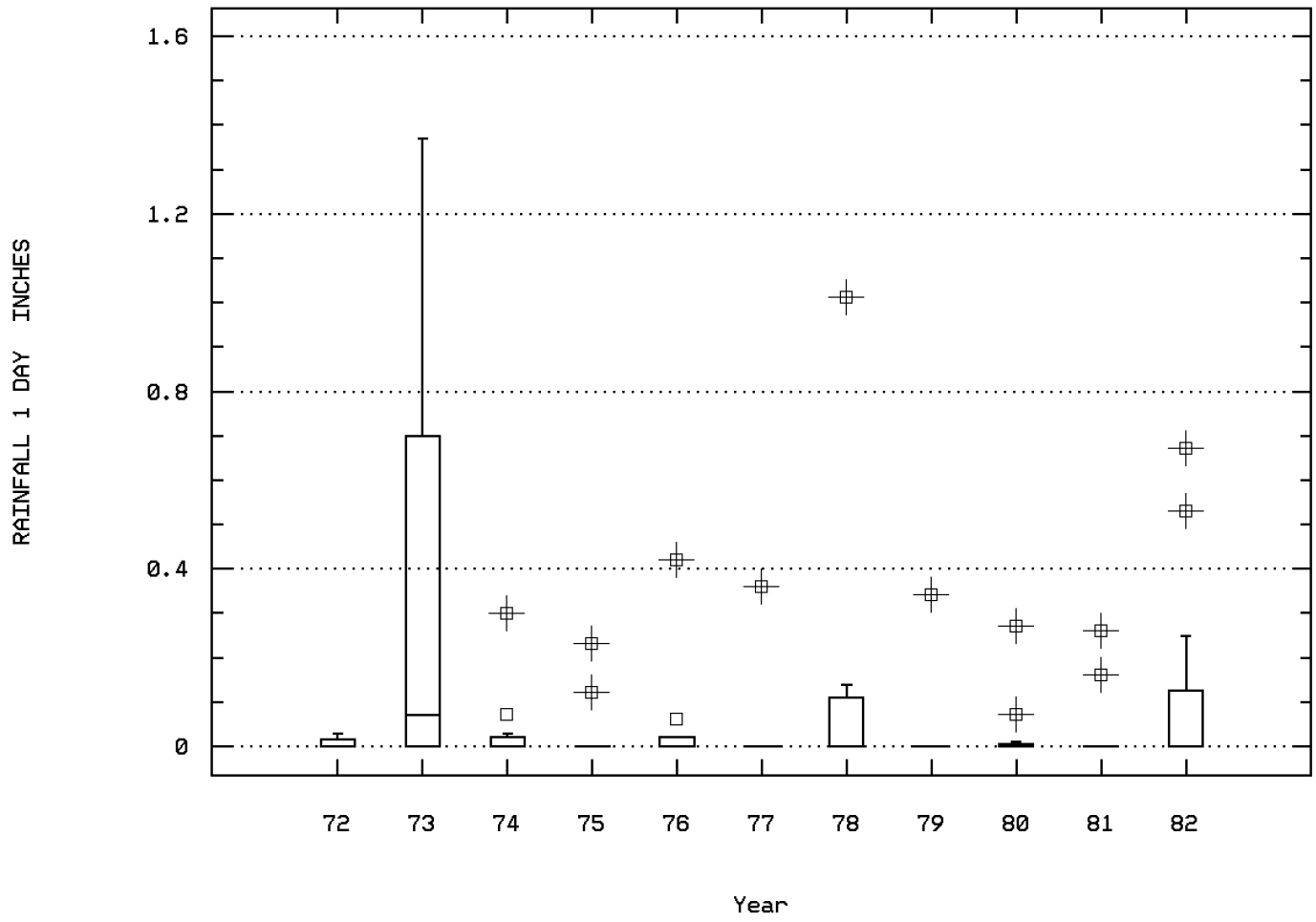
Annual Analysis for 1982 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00209 Parameter Code: 82553

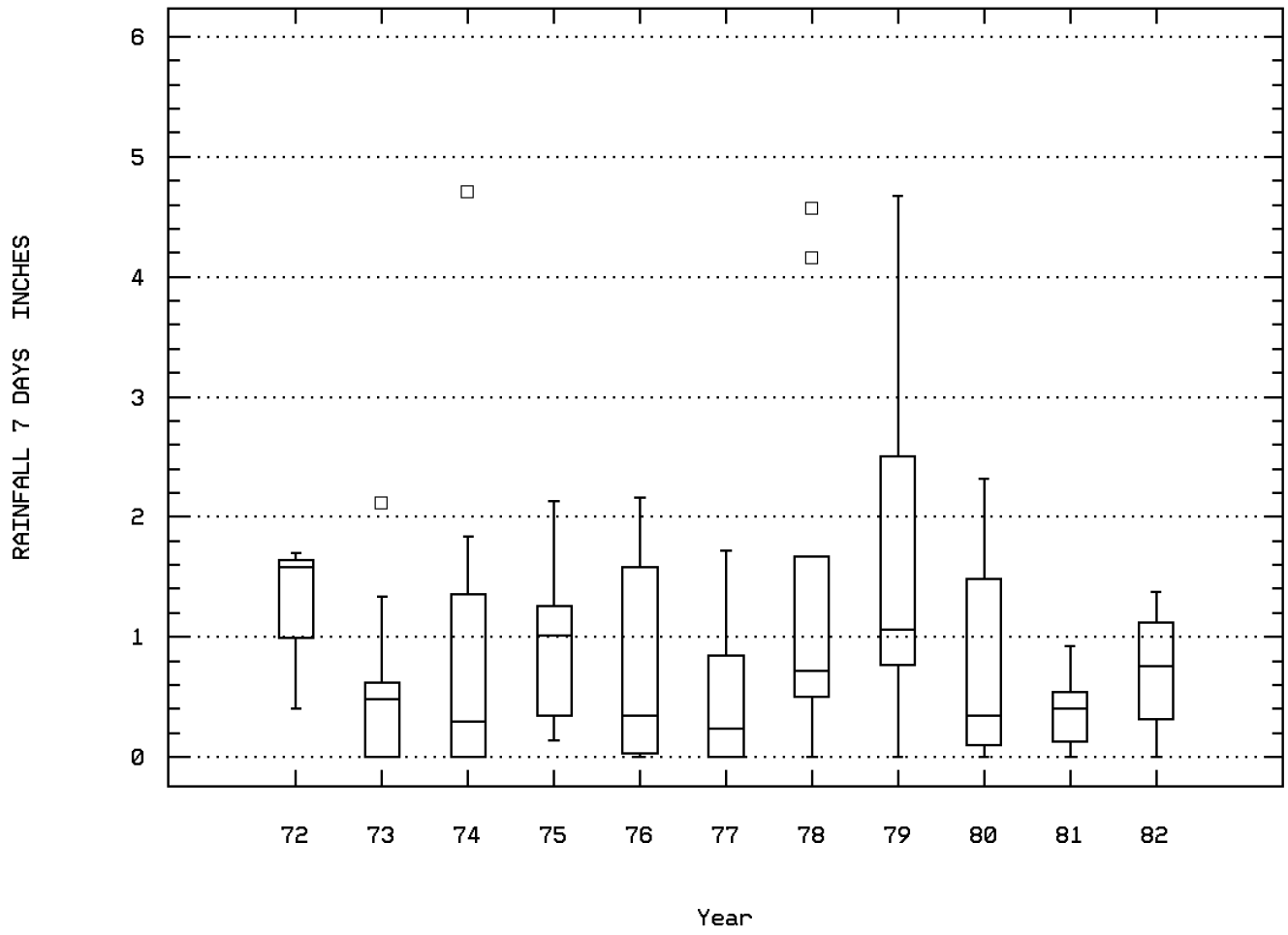
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00209 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	17	4.	9.735	43.	1.5	145.722	12.072	1.5	1.5	21.	27.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	17	0.602	0.675	1.633	0.176	0.286	0.535	0.176	0.176	1.322	1.416
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.729								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	26	0.	0.098	0.82	0.	0.046	0.214	0.	0.	0.073	0.439
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	26	0.76	1.199	4.7	0.	2.081	1.443	0.	0.028	1.743	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	30	4.	4.433	23.	1.5	19.185	4.38	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	30	0.602	0.512	1.362	0.176	0.108	0.329	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.247								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	43	0.	0.06	1.01	0.	0.037	0.192	0.	0.	0.	0.214
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	43	0.58	0.75	2.5	0.	0.447	0.668	0.	0.16	1.26	1.688

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	30 ##	2.25	4.917	23.	1.5	27.088	5.205	1.5	1.5	7.5	14.4
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/13/72-01/08/80	30 ##	0.327	0.509	1.362	0.176	0.148	0.385	0.176	0.176	0.872	1.154
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.232								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	42	0.	0.111	1.37	0.	0.076	0.275	0.	0.	0.078	0.402
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/13/72-12/20/82	42	0.435	0.766	4.15	0.	0.723	0.85	0.	0.263	1.12	1.965

** - Less than 9 observations ## - Computed 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: COLO0210

NPS Station ID: COLO0210 LAT/LON: 37.286115/ -76.575559 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05144
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107002 RF1 Mile Point: 11.790 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.79 RF3 Mile Point: 2.78 Distance from RF3: 0.25 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	43	4.	5.57	43.	1.5	57.947	7.612	1.5	1.5	7.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	43	0.602	0.536	1.633	0.176	0.153	0.391	0.176	0.176	0.845	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.438								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	36 ##	1.5	43.1	1100.	1.5	34430.046	185.553	1.5	1.5	8.65	29.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	36 ##	0.176	0.602	3.041	0.176	0.482	0.694	0.176	0.176	0.935	1.443
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.004								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	78	0.	0.094	1.01	0.	0.052	0.229	0.	0.	0.003	0.366
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	78	0.655	0.91	4.67	0.	0.987	0.994	0.	0.178	1.358	1.989

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0210

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	43	0	0.00	15	0	0.00	11	0	0.00	17	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	6	0.	0.262	0.91	0.	0.171	0.413	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	6	1.62	1.343	1.89	0.33	0.337	0.581	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	8	0.	0.06	0.42	0.	0.022	0.147	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	8	0.885	0.991	2.16	0.	0.659	0.812	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	12	0.	0.029	0.27	0.	0.006	0.078	0.	0.	0.008	0.21
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	12	0.34	0.754	2.32	0.	0.702	0.838	0.003	0.058	1.593	2.215

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	15 ##	1.5	5.6	43.	1.5	113.936	10.674	1.5	1.5	4.	22.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	15 ##	0.176	0.434	1.633	0.176	0.193	0.439	0.176	0.176	0.602	1.226
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.715								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	24	0.	0.137	0.91	0.	0.067	0.258	0.	0.	0.223	0.665
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	24	0.89	1.141	4.67	0.	1.621	1.273	0.	0.082	1.68	3.23

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	11	4.	6.409	23.	1.5	38.491	6.204	1.5	1.5	9.	20.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	11	0.602	0.652	1.362	0.176	0.148	0.384	0.176	0.176	0.954	1.28
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			4.486								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	25	0.	0.057	1.01	0.	0.043	0.207	0.	0.	0.	0.196
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	25	0.55	0.738	2.5	0.	0.525	0.725	0.	0.15	0.995	2.11

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	17	4.	5.	23.	1.5	27.531	5.247	1.5	1.5	5.5	11.8
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/06/72-10/17/79	17	0.602	0.552	1.362	0.176	0.121	0.347	0.176	0.176	0.724	1.036
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.566								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	29	0.	0.09	1.	0.	0.049	0.222	0.	0.	0.035	0.42
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/06/72-12/20/82	29	0.68	0.867	4.15	0.	0.86	0.927	0.	0.235	1.275	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

Station Inventory for Station: COLO0211

NPS Station ID: COLO0211 LAT/LON: 37.292226/ -76.675837 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05159
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107014 RF1 Mile Point: 3.320 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107001300.20 RF3 Mile Point: 0.20 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0211

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	11/06/72-04/14/76	41	5.7	7.307	17.4	0.1	24.256	4.925	1.2	3.05	12.1	14.04
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-04/14/76	42	460.	619.164	1100.	0.9	192562.573	438.82	93.	240.	1100.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-04/14/76	42	2.663	2.567	3.041	-0.046	0.397	0.63	1.968	2.38	3.041	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			368.962								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-04/14/76	42	0.	0.113	1.37	0.	0.076	0.275	0.	0.	0.073	0.517
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-04/14/76	42	0.48	0.803	4.7	0.	0.802	0.895	0.	0.16	1.34	1.938

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0211

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	42	34	0.81	9	8	0.89	20	14	0.70	13	12	0.92			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0212

NPS Station ID: COLO0212
LAT/LON: 37.293059/ -76.685837
Agency: 21VASWCB
Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BSS05160
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
0
ECO Region:
RF1 Index: 02080107014
RF1 Mile Point: 3.980
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107000802.27
RF3 Mile Point: 2.26
Distance from RF3: 0.31
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0212

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0213

NPS Station ID: COLO0213
LAT/LON: 37.293337/ -76.671116
Agency: 21VASWCB
Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BSS05158
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
ECO Region:
RF1 Index: 02080107014
RF1 Mile Point: 3.170
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107019800.00
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0213

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0214

NPS Station ID: COLO0214 LAT/LON: 37.293892/ -76.690281 Agency: 21VASWCB Date Created: 08/29/92
Location: ROUTE 132 BRIDGE (YORK COUNTY) FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 8-QEN005.62
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 1.20 On/Off RF1:
RF3 Index: 02080107028000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8- YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK SECTION: 01 TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA

Parameter Inventory for Station: COLO0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/92-08/25/93	9	17.1	18.122	30.	6.4	90.422	9.509	6.4	7.9	27.75	30.
00080	COLOR (PLATINUM-COBALT UNITS)	11/05/92-03/03/93	3	27.	74.333	173.	23.	7305.333	85.471	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/05/92-08/25/93	9	1900.	3738.889	12000.	600.	15984236.111	3998.029	600.	875.	6250.	12000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/92-07/13/93	8	1925.	3558.25	12368.	737.	16325026.5	4040.424	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	11/05/92-08/25/93	9	2.	3.	8.	0.5	7.938	2.817	0.5	0.75	5.5	8.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/05/92-08/25/93	9	7.2	8.022	11.4	5.2	4.754	2.18	5.2	6.05	10.1	11.4
00310	BOD, 5 DAY, 20 DEG C MG/L	11/05/92-07/13/93	8	4.	3.75	7.	1.	4.214	2.053	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	11/05/92-04/14/93	3	20.	21.	29.	14.	57.	7.55	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/92-08/25/93	9	7.78	7.71	8.11	7.	0.107	0.326	7.	7.555	7.94	8.11
00400	CONVERTED PH (STANDARD UNITS)	11/05/92-08/25/93	9	7.78	7.574	8.11	7.	0.127	0.357	7.	7.555	7.94	8.11
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/92-08/25/93	9	0.017	0.027	0.1	0.008	0.001	0.029	0.008	0.012	0.029	0.1
00403	PH, LAB, STANDARD UNITS SU	11/05/92-07/13/93	8	8.3	8.225	8.6	7.8	0.056	0.238	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/05/92-07/13/93	8	8.3	8.165	8.6	7.8	0.061	0.246	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/92-07/13/93	8	0.005	0.007	0.016	0.003	0.	0.004	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/92-07/13/93	8	160.	167.625	227.	133.	935.696	30.589	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/05/92-07/13/93	8	600.	1700.625	7850.	78.	6608160.268	2570.634	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/05/92-07/13/93	8	48.	263.	1550.	20.	278595.714	527.822	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/05/92-07/13/93	8	562.	1437.625	6300.	55.	4235756.554	2058.095	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	11.5	14.375	31.	4.	71.125	8.434	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	3.	4.438	11.	1.5	12.388	3.52	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	11/05/92-07/13/93	8	8.5	10.125	20.	4.	30.125	5.489	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/05/92-08/25/93	9 ##	0.02	0.037	0.17	0.02	0.003	0.05	0.02	0.02	0.02	0.17
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	9 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/05/92-08/25/93	9 ##	0.02	0.036	0.07	0.02	0.	0.02	0.02	0.02	0.055	0.07
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/05/92-08/25/93	9	0.6	0.933	1.9	0.4	0.355	0.596	0.4	0.5	1.6	1.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/05/92-08/25/93	9	0.2	0.156	0.3	0.05	0.007	0.085	0.05	0.075	0.2	0.3
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/05/92-04/14/93	4	7.35	7.6	11.3	4.4	10.06	3.172	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/92-04/14/93	4	522.5	673.75	1480.	170.	352556.25	593.764	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/05/92-07/13/93	8	519.	1086.	4310.	129.	2070848.857	1439.044	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/05/92-07/13/93	8	71.	141.875	585.	14.	38687.839	196.692	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/05/92-04/14/93	4 ##	0.25	0.265	0.51	0.05	0.036	0.189	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/92-12/07/92	2	6.8	6.8	7.5	6.1	0.98	0.99	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	1600.	1176.667	1600.	330.	537633.333	733.235	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: COLO0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/12/93-07/13/93	3	3.204	2.976	3.204	2.519	0.157	0.396	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			945.333								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	2	965.	965.	1600.	330.	806450.	898.026	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/93-06/17/93	2	2.861	2.861	3.204	2.519	0.235	0.485	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			726.636								
32240	TANNIN AND LIGNIN (MG/L)	11/05/92-04/14/93	3	0.7	1.267	2.4	0.7	0.963	0.981	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/05/92-08/25/93	9	0.05	0.057	0.11	0.02	0.001	0.038	0.02	0.02	0.1	0.11
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	11/05/92-07/13/93	8	12.	13.588	25.	6.9	51.098	7.148	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0214

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
00400	PH	Other-Hi Lim.	9.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	3	0.38	1	1	1.00	3	2	0.67	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	8	1	0.13	1	0	0.00	3	1	0.33	4	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	3	3	1.00	1	1	1.00				2	2	1.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00							2	2	1.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0215

NPS Station ID: COLO0215 LAT/LON: 37.296670/ -76.602226 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05148
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 14.870 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.79 RF3 Mile Point: 2.78 Distance from RF3: 0.68 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/06/72-01/22/73	3	12.	10.1	15.	3.3	36.93	6.077	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	11/06/72-06/10/80	3	16.8	16.367	17.4	14.9	1.703	1.305	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	79	4.	10.658	240.	1.5	1422.875	37.721	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	79	0.602	0.532	2.38	0.176	0.217	0.466	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.403								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	36	3.6	8.128	43.	1.5	98.536	9.927	1.5	1.5	10.525	23.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	36	0.556	0.627	1.633	0.176	0.242	0.491	0.176	0.176	1.021	1.362
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			4.236								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	114	0.	0.092	1.37	0.	0.054	0.233	0.	0.	0.03	0.32
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	114	0.545	0.848	4.7	0.	0.939	0.969	0.	0.16	1.273	1.975

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0215

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	79	2	0.03	18	1	0.06	31	0	0.00	30	1	0.03			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	5	4.	5.6	9.	4.	5.3	2.302	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	5	0.602	0.721	0.954	0.602	0.028	0.168	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.261								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	5	0.	0.006	0.03	0.	0.	0.013	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	5	1.58	1.162	1.98	0.26	0.605	0.778	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	10	4.	29.	240.	1.5	5539.667	74.429	1.5	1.5	12.5	218.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	10	0.602	0.721	2.38	0.176	0.494	0.703	0.176	0.176	1.056	2.278
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.256								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.1	0.334	1.37	0.	0.222	0.471	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.48	0.586	2.11	0.	0.452	0.672	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	13	4.	3.846	9.	1.5	8.016	2.831	1.5	1.5	5.5	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	13	0.602	0.478	0.954	0.176	0.1	0.316	0.176	0.176	0.724	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.008								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	10	6.5	10.3	43.	1.5	176.122	13.271	1.5	1.5	12.5	41.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	10	0.778	0.716	1.633	0.176	0.29	0.538	0.176	0.176	1.056	1.606
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.205								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	12 ##	1.5	22.167	240.	1.5	4708.697	68.62	1.5	1.5	3.75	170.1
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	12 ##	0.176	0.476	2.38	0.176	0.409	0.639	0.176	0.176	0.571	1.92
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.993								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	12	4.	3.375	9.	1.5	4.688	2.165	1.5	1.5	4.	7.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	12	0.602	0.454	0.954	0.176	0.07	0.264	0.176	0.176	0.602	0.849
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.844								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	10 ##	1.5	4.9	23.	1.5	46.156	6.794	1.5	1.5	5.25	21.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	10 ##	0.176	0.458	1.362	0.176	0.176	0.419	0.176	0.176	0.69	1.321
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.869								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	7 ##	1.5	2.214	4.	1.5	1.488	1.22	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	7 ##	0.176	0.298	0.602	0.176	0.043	0.208	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.985								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	12	0.	0.029	0.27	0.	0.006	0.078	0.	0.	0.008	0.21
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	12	0.34	0.754	2.32	0.	0.702	0.838	0.003	0.058	1.593	2.215

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

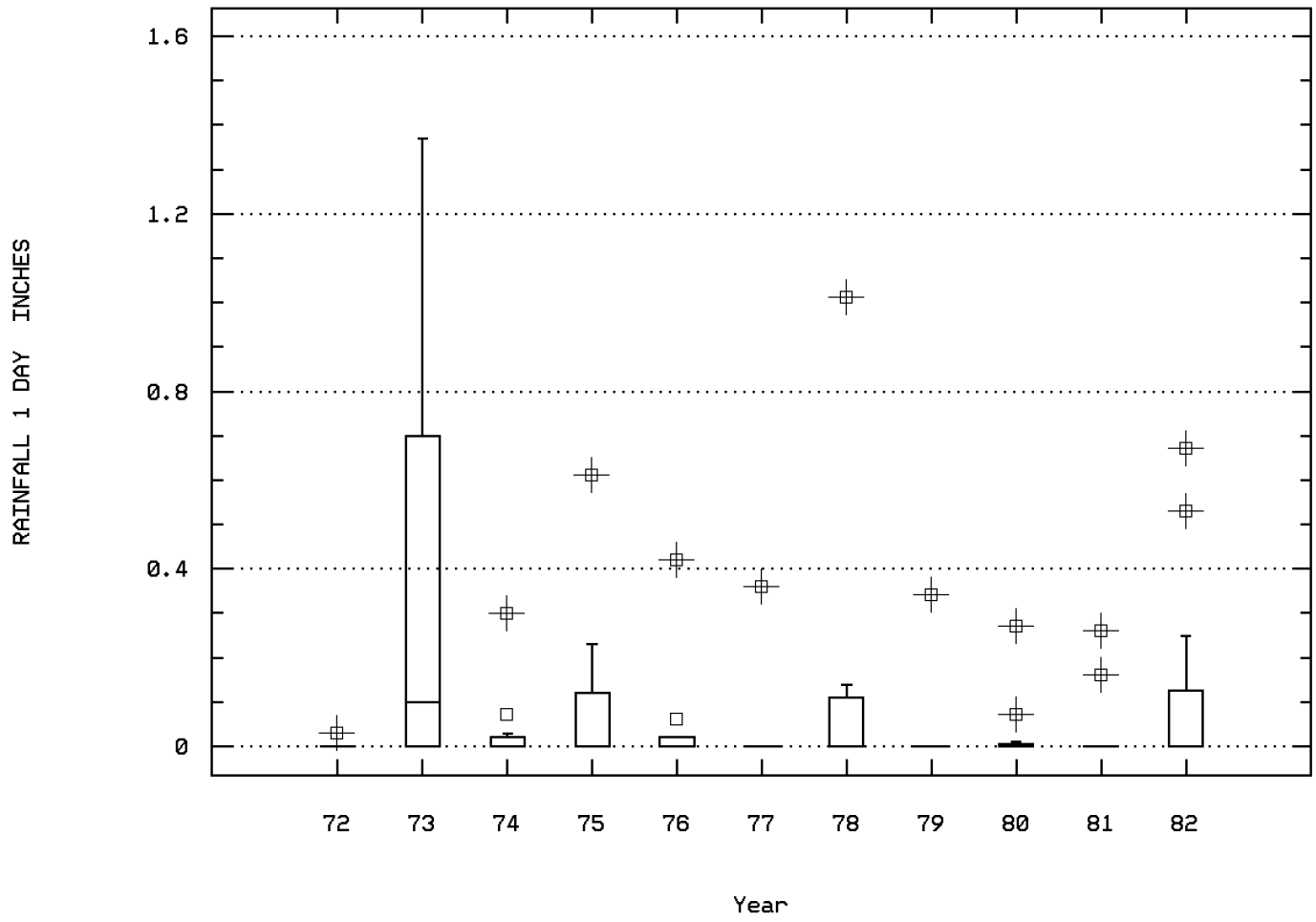
Annual Analysis for 1982 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00215 Parameter Code: 82553

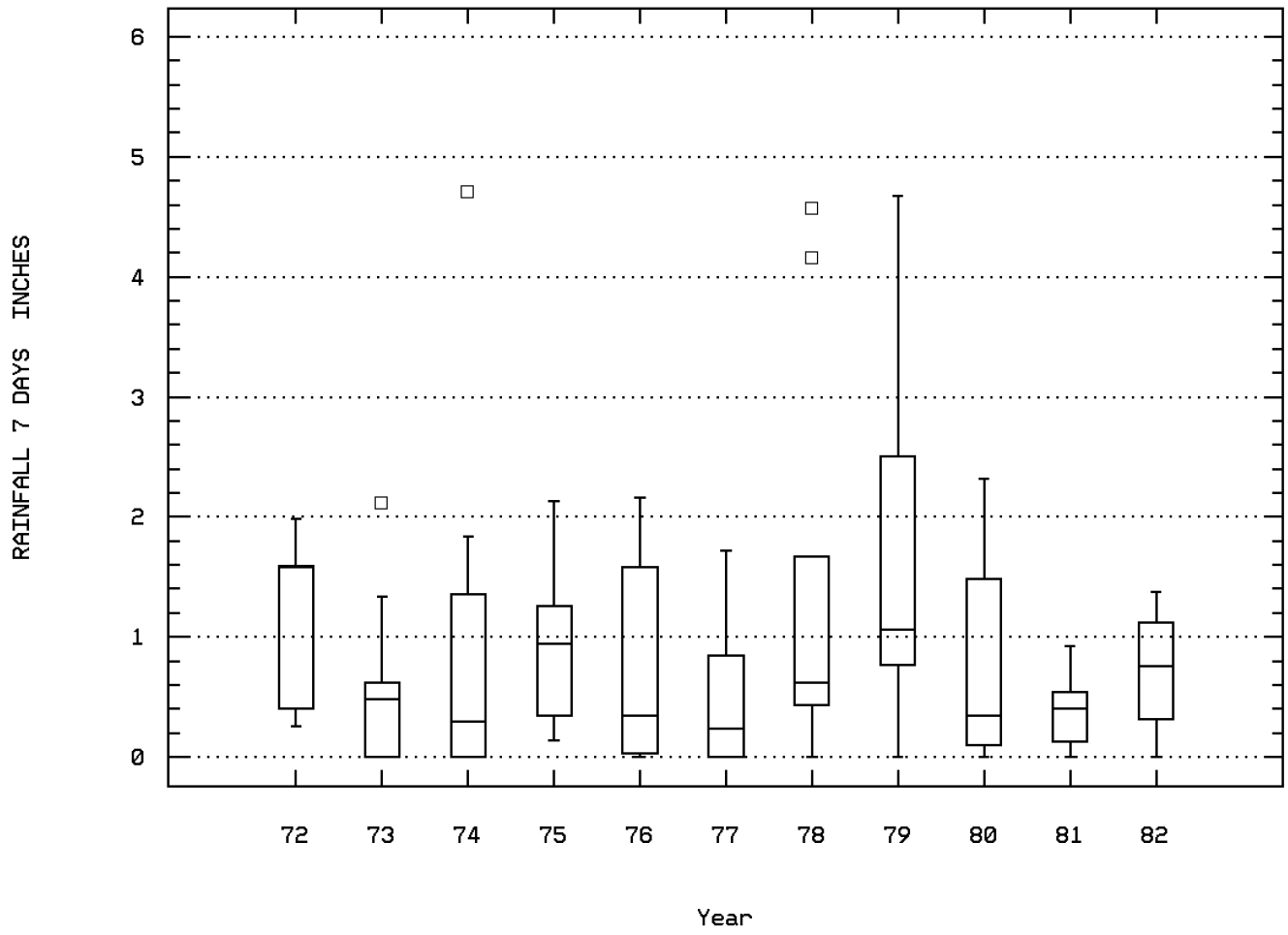
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00215 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	18	4.	19.528	240.	1.5	3072.396	55.429	1.5	1.5	9.	44.7
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	18	0.602	0.711	2.38	0.176	0.349	0.59	0.176	0.176	0.954	1.464
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			5.145								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	27	0.	0.117	0.82	0.	0.054	0.232	0.	0.	0.11	0.622
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	27	0.72	1.177	4.7	0.	2.015	1.419	0.	0.03	1.72	4.59

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	31	4.	4.726	43.	1.5	55.131	7.425	1.5	1.5	4.	8.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	31	0.602	0.495	1.633	0.176	0.114	0.338	0.176	0.176	0.602	0.932
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			3.127								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	45	0.	0.06	1.01	0.	0.035	0.188	0.	0.	0.	0.196
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	45	0.55	0.727	2.5	0.	0.46	0.678	0.	0.16	1.16	1.79

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	30 ##	1.5	11.467	240.	1.5	1881.826	43.38	1.5	1.5	4.	9.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-10/17/79	30 ##	0.176	0.462	2.38	0.176	0.235	0.484	0.176	0.176	0.602	0.954
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			2.898								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	42	0.	0.111	1.37	0.	0.076	0.275	0.	0.	0.078	0.402
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	42	0.435	0.766	4.15	0.	0.723	0.85	0.	0.263	1.12	1.965

** - Less than 9 observations ## - Computed 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: COLO0216

NPS Station ID: COLO0216 LAT/LON: 37.296670/ -76.630003 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05151
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107014 RF1 Mile Point: 0.450 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107001300.03 RF3 Mile Point: 0.03 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	09/13/77-06/25/79	12	12.95	14.392	23.7	6.8	27.919	5.284	7.64	10.45	18.775	23.31
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	76	43.	110.132	1100.	1.5	41647.836	204.078	4.	15.	93.	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	76	1.633	1.561	3.041	0.176	0.465	0.682	0.602	1.176	1.968	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			36.379								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	34	23.	42.938	460.	1.5	6591.634	81.189	1.5	3.075	43.	93.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	34	1.362	1.16	2.663	0.176	0.494	0.703	0.176	0.461	1.633	1.968
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			14.452								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	109	0.	0.09	1.37	0.	0.054	0.232	0.	0.	0.025	0.3
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	109	0.54	0.816	4.7	0.	0.872	0.934	0.	0.15	1.265	1.97

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0216

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	76	10	0.13	17	4	0.24	29	3	0.10	30	3	0.10			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	5	43.	142.2	460.	15.	34229.7	185.013	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	5	1.633	1.856	2.663	1.176	0.329	0.573	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			71.842								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	5	0.	0.006	0.03	0.	0.	0.013	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	5	1.58	1.162	1.98	0.26	0.605	0.778	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	9	43.	145.556	460.	15.	33581.528	183.253	15.	23.	305.	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	9	1.633	1.849	2.663	1.176	0.308	0.555	1.176	1.362	2.419	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			70.552								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	0.12	0.371	1.37	0.	0.234	0.484	0.	0.01	0.76	1.37
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	0.42	0.587	2.11	0.	0.508	0.713	0.	0.	0.98	2.11

** - 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 1974 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	14	59.	60.643	240.	1.5	4188.978	64.722	1.5	6.25	93.	166.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	14	1.754	1.403	2.38	0.176	0.539	0.734	0.176	0.784	1.968	2.174
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			25.301								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	14	0.	0.029	0.3	0.	0.006	0.08	0.	0.	0.015	0.185
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	14	0.305	0.847	4.7	0.	1.579	1.257	0.	0.12	1.345	3.27

** - Less than 9 observations ## - Computed with 50% or 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 COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	9	93.	233.111	1100.	3.	126458.361	355.61	3.	33.	350.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	9	1.968	1.903	3.041	0.477	0.573	0.757	0.477	1.498	2.521	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			79.986								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	0.	0.039	0.23	0.	0.007	0.082	0.	0.	0.06	0.23
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	1.01	1.026	2.13	0.14	0.348	0.59	0.14	0.59	1.35	2.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	12	41.	73.292	460.	1.5	15965.657	126.355	2.25	5.25	88.5	349.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	12	1.612	1.404	2.663	0.176	0.512	0.716	0.304	0.69	1.945	2.454
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			25.329								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	12	0.46	0.627	2.16	0.	0.522	0.722	0.	0.048	1.013	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	12	23.	39.25	150.	9.	1580.386	39.754	9.	15.	43.	127.5
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	12	1.362	1.441	2.176	0.954	0.134	0.366	0.954	1.176	1.633	2.086
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			27.634								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	9	21.	163.944	1100.	1.5	126056.778	355.045	1.5	4.	121.5	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	9	1.322	1.423	3.041	0.176	0.864	0.93	0.176	0.602	2.072	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			26.513								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	0.	0.151	1.01	0.	0.107	0.327	0.	0.	0.125	1.01
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	0.52	1.041	4.57	0.	2.008	1.417	0.	0.215	1.315	4.57

** - 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 1979 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	6	23.	96.	460.	4.	31951.2	178.749	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	6	1.362	1.497	2.663	0.602	0.447	0.668	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			31.423								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	8	0.	0.168	1.	0.	0.127	0.357	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	8	1.23	1.711	4.67	0.	2.314	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 1980 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.	0.028	0.27	0.	0.007	0.085	0.	0.	0.003	0.244
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.485	0.849	2.32	0.	0.795	0.892	0.001	0.018	1.768	2.285

** - 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 box-and-whisker plot

Annual Analysis for 1981 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	17	93.	227.324	1100.	1.5	127118.342	356.537	7.5	19.	305.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	17	1.968	1.839	3.041	0.176	0.586	0.765	0.799	1.269	2.419	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			69.054								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	26	0.	0.098	0.82	0.	0.046	0.214	0.	0.	0.073	0.439
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	26	0.76	1.199	4.7	0.	2.081	1.443	0.	0.028	1.743	4.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	29	39.	78.328	460.	1.5	14271.041	119.461	4.	8.	93.	240.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	29	1.591	1.468	2.663	0.176	0.44	0.664	0.602	0.9	1.968	2.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			29.38								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	42	0.	0.064	1.01	0.	0.038	0.194	0.	0.	0.003	0.223
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	42	0.535	0.735	2.5	0.	0.483	0.695	0.	0.153	1.28	1.88

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	30	43.	74.467	460.	1.5	13418.447	115.838	4.	15.	75.	231.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	30	1.633	1.493	2.663	0.176	0.395	0.629	0.602	1.176	1.875	2.36
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			31.106								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	41	0.	0.112	1.37	0.	0.078	0.279	0.	0.	0.085	0.408
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	41	0.43	0.655	2.74	0.	0.43	0.656	0.	0.2	1.015	1.462

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0217

NPS Station ID: COLO0217 LAT/LON: 37.296670/ -76.650837 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05154
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107014 RF1 Mile Point: 1.670 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107001300.10 RF3 Mile Point: 0.09 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	02/27/78-06/06/78	5	6.	6.92	10.2	3.3	8.907	2.984	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	64	93.	294.102	1100.	1.5	140217.565	374.456	23.	43.	460.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	64	1.968	2.092	3.041	0.176	0.411	0.641	1.362	1.633	2.663	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			123.511								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	63	0.	0.099	1.37	0.	0.065	0.255	0.	0.	0.06	0.336
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	63	0.42	0.807	4.7	0.	0.882	0.939	0.	0.1	1.34	1.924

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0217

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	64	23	0.36	13	6	0.46	25	8	0.32	26	9	0.35			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	5	150.	303.2	1100.	23.	201131.7	448.477	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	5	2.176	2.145	3.041	1.362	0.363	0.602	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			139.559								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	5	0.	0.006	0.03	0.	0.	0.013	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	5	1.58	1.162	1.98	0.26	0.605	0.778	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	10	240.	356.3	1100.	4.	171918.456	414.631	7.9	43.	620.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	10	2.38	2.172	3.041	0.602	0.552	0.743	0.705	1.633	2.757	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			148.719								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	10	0.1	0.334	1.37	0.	0.222	0.471	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	10	0.48	0.586	2.11	0.	0.452	0.672	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	13	93.	417.	1100.	23.	237020.5	486.848	23.	43.	1100.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	13	1.968	2.223	3.041	1.362	0.437	0.661	1.362	1.633	3.041	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			167.146								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	9	460.	428.	1100.	43.	178392.5	422.365	43.	68.	780.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	9	2.663	2.364	3.041	1.633	0.321	0.566	1.633	1.801	2.852	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			231.145								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	9	0.	0.039	0.23	0.	0.007	0.082	0.	0.	0.06	0.23
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	9	1.01	1.026	2.13	0.14	0.348	0.59	0.14	0.59	1.35	2.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	12	150.	273.75	1100.	43.	96743.295	311.036	43.	43.	460.	908.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	12	2.176	2.189	3.041	1.633	0.247	0.497	1.633	1.633	2.663	2.928
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			154.419								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	9	93.	84.556	150.	23.	2269.528	47.64	23.	33.	121.5	150.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	9	1.968	1.843	2.176	1.362	0.099	0.315	1.362	1.498	2.072	2.176
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			69.592								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	8	0.	0.045	0.36	0.	0.016	0.127	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	8	0.095	0.328	1.35	0.	0.244	0.494	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	6	58.	70.75	210.	1.5	6382.375	79.89	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-06/06/78	6	1.665	1.4	2.322	0.176	0.727	0.852	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			25.11								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	6	0.05	0.208	1.01	0.	0.158	0.397	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-06/06/78	6	0.68	1.197	4.15	0.	2.5	1.581	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0218

NPS Station ID: COLO0218 LAT/LON: 37.297226/ -76.663892 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05157
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107014 RF1 Mile Point: 2.420 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107001300.20 RF3 Mile Point: 0.20 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-04/14/76	41	460.	468.854	1100.	23.	175024.878	418.36	23.	84.	1100.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-04/14/76	41	2.663	2.392	3.041	1.362	0.351	0.593	1.362	1.922	3.041	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			246.463								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-04/14/76	41	0.	0.116	1.37	0.	0.077	0.278	0.	0.	0.075	0.548
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-04/14/76	41	0.54	0.815	4.7	0.	0.815	0.903	0.	0.16	1.34	1.952

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0218

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	41	28	0.68	9	8	0.89	20	11	0.55	12	9	0.75			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0219

NPS Station ID: COLO0219 LAT/LON: 37.298615/ -76.645559 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05153
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107014 RF1 Mile Point: 1.360 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107001300.10 RF3 Mile Point: 0.09 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	05/01/74-06/23/81	20	18.3	17.445	24.7	7.6	22.198	4.712	10.16	14.075	21.25	23.51
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-07/24/79	26	59.	215.769	1100.	3.	95700.905	309.356	7.5	23.	460.	652.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	05/01/74-07/24/79	26	1.754	1.885	3.041	0.477	0.481	0.693	0.849	1.362	2.663	2.776
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			76.767								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-06/23/81	18	43.	71.956	240.	1.5	5795.864	76.131	1.5	7.725	150.	213.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-06/23/81	18	1.633	1.455	2.38	0.176	0.575	0.759	0.176	0.858	2.176	2.328
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			28.509								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	43	0.	0.063	1.01	0.	0.033	0.181	0.	0.	0.	0.312
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	43	0.44	0.861	4.67	0.	1.165	1.08	0.	0.01	1.35	2.256

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0219

						----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	26	8	0.31	6	3	0.50	5	0	0.00	15	5	0.33			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	05/01/74-06/23/81	4	19.85	19.475	22.7	15.5	9.309	3.051	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	9	0.	0.074	0.34	0.	0.018	0.133	0.	0.	0.165	0.34
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	9	0.29	1.073	4.67	0.	2.374	1.541	0.	0.01	1.755	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	05/01/74-06/23/81	7	15.7	18.1	24.7	13.9	20.34	4.51	**	**	**	**
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	12	0.	0.085	1.01	0.	0.085	0.291	0.	0.	0.	0.71
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	12	0.605	0.925	2.5	0.	0.874	0.935	0.	0.058	1.895	2.446

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	05/01/74-06/23/81	9	17.6	16.033	22.2	7.6	29.298	5.413	7.6	11.2	21.1	22.2
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	22	0.	0.046	0.42	0.	0.014	0.117	0.	0.	0.	0.294
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	05/01/74-06/23/81	22	0.435	0.739	4.15	0.	0.931	0.965	0.	0.01	1.038	1.986

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0220

NPS Station ID: COLO0220 LAT/LON: 37.298892/ -76.624726 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05150
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107014 RF1 Mile Point: 0.240 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.27 RF3 Mile Point: 2.26 Distance from RF3: 0.20 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	10/17/79-10/17/79	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	81	23.	73.16	460.	1.5	14942.374	122.239	1.5	9.	78.5	240.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	81	1.362	1.384	2.663	0.176	0.491	0.701	0.176	0.954	1.887	2.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			24.194								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	33	15.	37.606	240.	1.5	3466.077	58.873	1.5	1.5	43.	93.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	33	1.176	1.102	2.38	0.176	0.506	0.711	0.176	0.176	1.633	1.968
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			12.646								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	113	0.	0.106	1.37	0.	0.063	0.251	0.	0.	0.045	0.396
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	113	0.58	0.86	4.7	0.	0.937	0.968	0.	0.17	1.275	1.938

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0220

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	81	10	0.12	20	6	0.30	30	2	0.07	31	2	0.06			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	6	51.	98.417	240.	1.5	13173.242	114.775	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	6	1.461	1.451	2.38	0.176	0.847	0.92	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			28.231								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	6	0.015	0.267	0.91	0.	0.168	0.409	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	6	1.28	1.117	1.89	0.26	0.461	0.679	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10	16.	52.2	240.	1.5	5586.122	74.74	1.5	7.125	93.	225.3
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10	1.158	1.253	2.38	0.176	0.56	0.748	0.176	0.76	1.968	2.339
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			17.895								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.1	0.334	1.37	0.	0.222	0.471	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.48	0.586	2.11	0.	0.452	0.672	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	14	23.	30.571	93.	1.5	904.495	30.075	1.5	1.5	40.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	14	1.362	1.162	1.968	0.176	0.46	0.678	0.176	0.176	1.602	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			14.515								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	14	0.	0.029	0.3	0.	0.006	0.08	0.	0.	0.015	0.185
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	14	0.305	0.847	4.7	0.	1.579	1.257	0.	0.12	1.345	3.27

** - Less than 9 observations ## - Computed with 50% or 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 COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10	93.	212.05	460.	1.5	46350.581	215.292	3.65	26.	460.	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10	1.968	1.919	2.663	0.176	0.654	0.809	0.295	1.414	2.663	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			82.997								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	12	23.	60.667	460.	1.5	16220.924	127.361	1.5	4.75	43.	341.2
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	12	1.362	1.256	2.663	0.176	0.515	0.718	0.176	0.663	1.633	2.406
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.017								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	12	23.	36.917	93.	4.	839.356	28.972	5.5	23.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	12	1.362	1.434	1.968	0.602	0.149	0.386	0.708	1.362	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			27.135								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10	15.	81.7	460.	1.5	22835.289	151.113	1.5	7.125	92.25	438.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10	1.138	1.258	2.663	0.176	0.667	0.817	0.176	0.76	1.82	2.635
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			18.094								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	7	43.	39.571	93.	9.	728.952	26.999	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	7	1.633	1.507	1.968	0.954	0.101	0.319	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			32.111								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	9	0.	0.031	0.27	0.	0.008	0.09	0.	0.	0.005	0.27
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	9	0.68	0.942	2.32	0.	0.797	0.893	0.	0.125	1.835	2.32

** - 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 1981 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

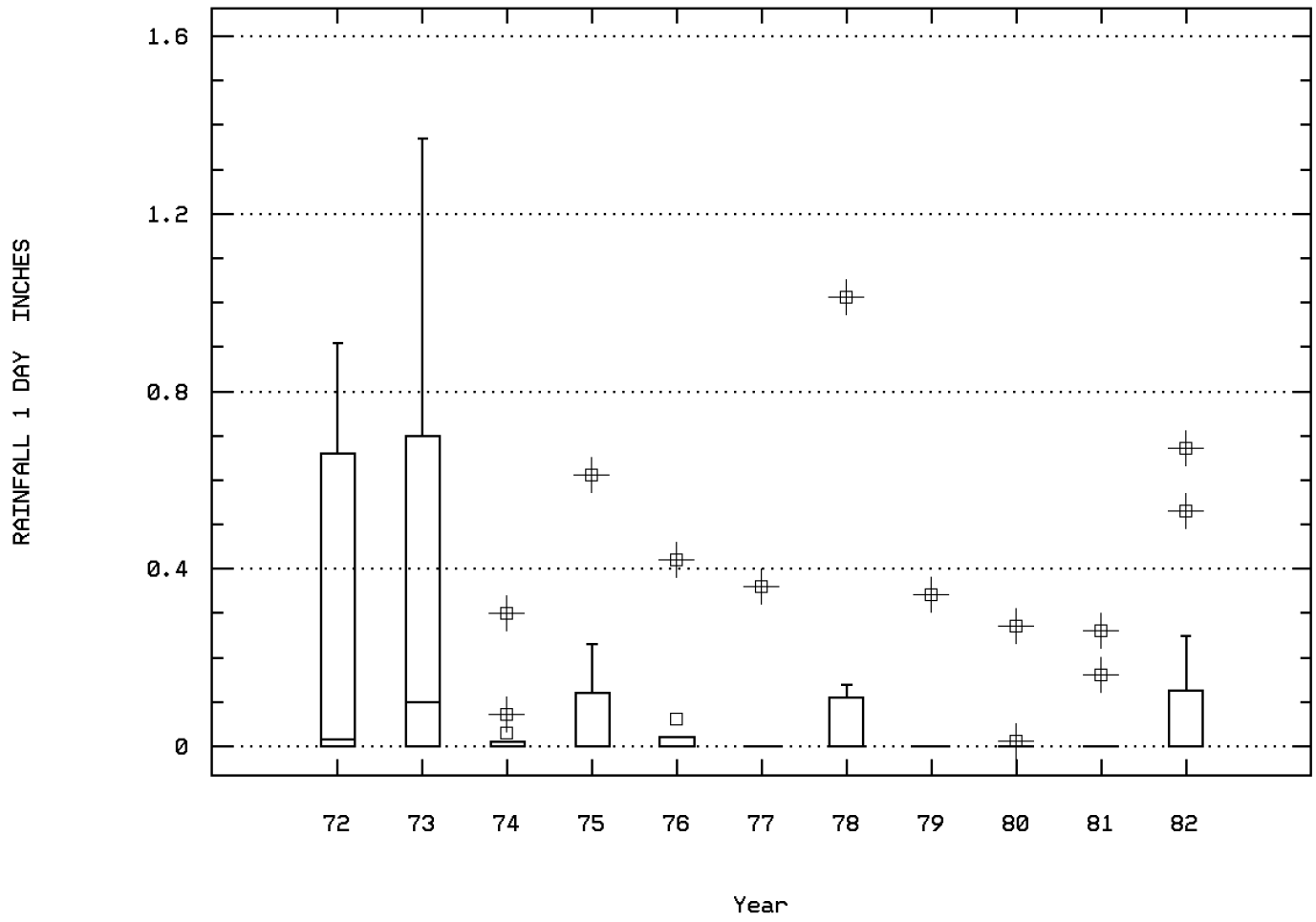
Annual Analysis for 1982 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00220 Parameter Code: 82553

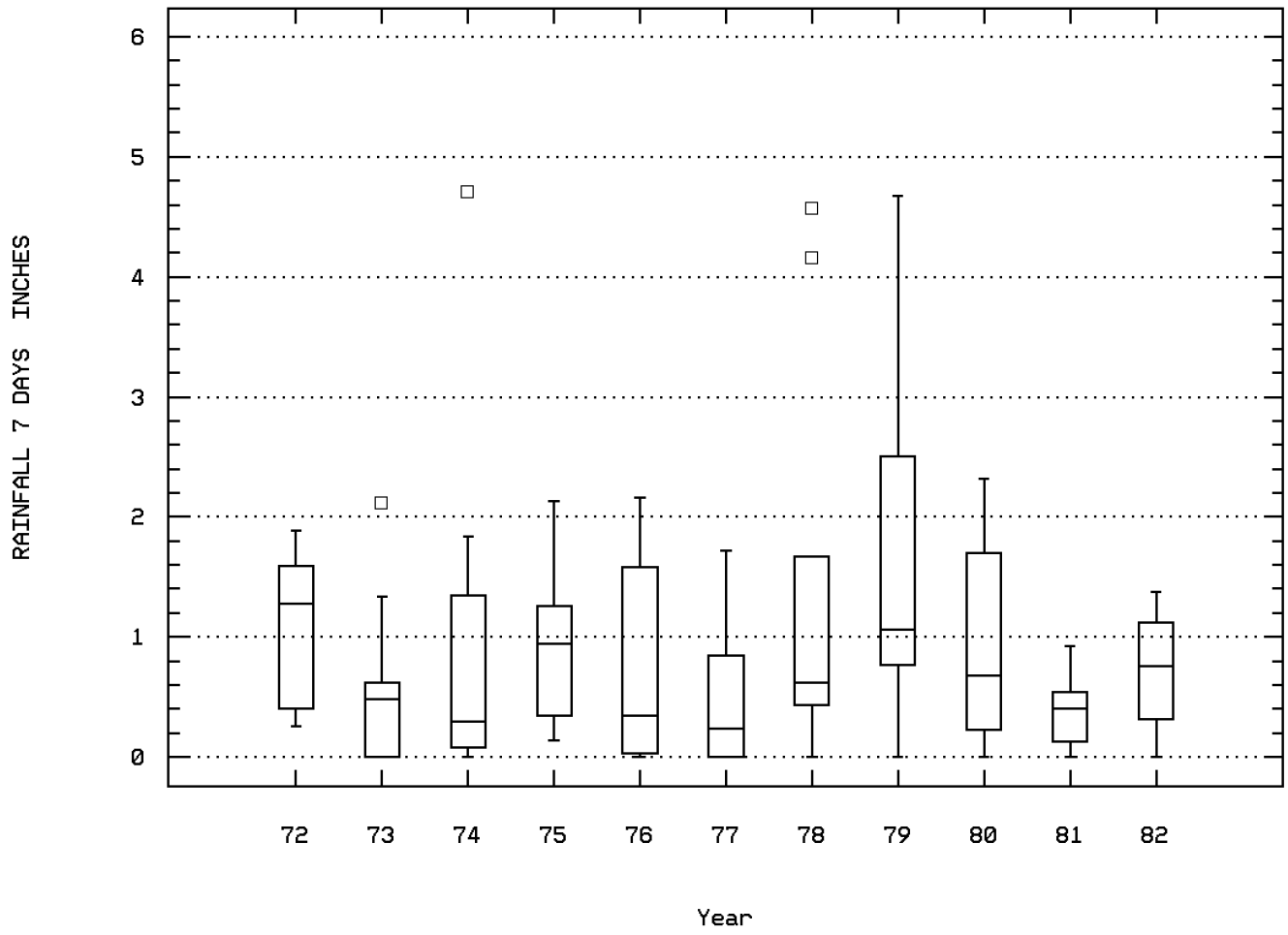
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00220 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	20	43.	130.9	460.	1.5	26121.542	161.622	1.75	23.	240.	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	20	1.633	1.664	2.663	0.176	0.611	0.782	0.219	1.362	2.38	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			46.114								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	29	0.	0.163	0.91	0.	0.081	0.284	0.	0.	0.265	0.67
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	29	0.8	1.194	4.7	0.	1.89	1.375	0.	0.085	1.765	4.57

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	30	23.	45.9	460.	1.5	8361.903	91.443	1.5	8.5	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	30	1.362	1.185	2.663	0.176	0.443	0.666	0.176	0.927	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.306								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	43	0.	0.062	1.01	0.	0.037	0.192	0.	0.	0.	0.214
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	43	0.55	0.71	2.5	0.	0.437	0.661	0.	0.16	1.06	1.638

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	31	23.	62.29	460.	1.5	12131.713	110.144	1.5	9.	43.	93.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	31	1.362	1.395	2.663	0.176	0.403	0.635	0.176	0.954	1.633	1.968
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			24.855								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	41	0.	0.112	1.37	0.	0.078	0.279	0.	0.	0.085	0.408
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	41	0.44	0.78	4.15	0.	0.73	0.855	0.	0.255	1.17	2.02

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0221

NPS Station ID: COLO0221 LAT/LON: 37.299726/ -76.638059 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05152
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107014 RF1 Mile Point: 1.050 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107001300.03 RF3 Mile Point: 0.03 Distance from RF3: 0.05 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	07/27/81-12/20/82	16	20.45	20.2	24.2	15.1	9.564	3.093	15.17	17.6	23.5	23.99
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	67	93.	173.313	1100.	1.5	81485.453	285.457	9.	23.	150.	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	67	1.968	1.8	3.041	0.176	0.438	0.662	0.954	1.362	2.176	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			63.161								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	33	43.	63.609	460.	1.5	7222.171	84.983	1.5	6.35	93.	150.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	33	1.633	1.409	2.663	0.176	0.503	0.709	0.176	0.758	1.968	2.176
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			25.618								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	98	0.	0.092	1.37	0.	0.053	0.23	0.	0.	0.03	0.306
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	99	0.43	0.745	4.7	0.	0.714	0.845	0.	0.13	1.19	1.84

** - 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: COLO0221

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	67	16	0.24	15	5	0.33	25	5	0.20	27	6	0.22			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	5	210.	249.2	460.	23.	41493.7	203.7	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	5	2.322	2.196	2.663	1.362	0.3	0.548	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			156.888								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	5	0.	0.006	0.03	0.	0.	0.013	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	5	1.58	1.162	1.98	0.26	0.605	0.778	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	10	121.5	242.7	1100.	4.	109938.456	331.57	4.	33.25	295.	1036.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	10	2.072	1.942	3.041	0.602	0.65	0.807	0.602	1.376	2.451	3.004
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			87.402								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.1	0.334	1.37	0.	0.222	0.471	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.48	0.586	2.11	0.	0.452	0.672	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	14	43.	204.464	1100.	1.5	147509.249	384.069	5.25	23.	129.75	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	14	1.633	1.712	3.041	0.176	0.577	0.76	0.565	1.362	2.071	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			51.481								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	14	0.	0.029	0.3	0.	0.006	0.08	0.	0.	0.015	0.185
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	14	0.305	0.847	4.7	0.	1.579	1.257	0.	0.12	1.345	3.27

** - Less than 9 observations ## - Computed with 50% or 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 COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	10	121.5	219.6	1100.	4.	103250.044	321.325	5.9	38.	240.	1014.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	10	2.072	1.983	3.041	0.602	0.445	0.667	0.678	1.566	2.38	2.975
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			96.258								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	12	43.	135.25	1100.	23.	93148.023	305.202	23.	23.	93.	797.9
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	12	1.633	1.721	3.041	1.362	0.236	0.486	1.362	1.362	1.968	2.72
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			52.641								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	9	93.	97.111	240.	9.	5601.361	74.842	9.	23.	150.	240.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	9	1.968	1.813	2.38	0.954	0.225	0.475	0.954	1.362	2.176	2.38
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			64.989								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	8	0.	0.045	0.36	0.	0.016	0.127	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	8	0.095	0.328	1.35	0.	0.244	0.494	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	6	15.	38.917	150.	1.5	3159.042	56.205	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	6	1.176	1.215	2.176	0.176	0.45	0.671	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			16.419								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	6	0.05	0.208	1.01	0.	0.158	0.397	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	6	0.695	1.202	4.15	0.	2.491	1.578	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	1	150.	150.	150.	150.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	1	2.176	2.176	2.176	2.176	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			150.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	3	0.34	0.947	2.5	0.	1.839	1.356	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	0.	0.031	0.27	0.	0.008	0.09	0.	0.	0.005	0.27
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	9	0.29	0.754	2.32	0.	0.794	0.891	0.	0.015	1.62	2.32

** - 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 1981 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	15	93.	235.5	1100.	1.5	129641.536	360.058	14.4	23.	240.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	15	1.968	1.932	3.041	0.176	0.527	0.726	0.887	1.362	2.38	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			85.543								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	22	0.	0.124	0.82	0.	0.062	0.249	0.	0.	0.11	0.652
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	23	0.4	0.814	4.7	0.	1.162	1.078	0.	0.02	1.19	2.002

** - 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

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	25	43.	106.82	460.	1.5	21607.768	146.996	4.	16.	121.5	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	25	1.633	1.599	2.663	0.176	0.48	0.693	0.602	1.158	2.072	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			39.715								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	38	0.	0.071	1.01	0.	0.041	0.203	0.	0.	0.013	0.255
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	38	0.58	0.763	2.5	0.	0.516	0.718	0.	0.153	1.345	1.971

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	27	93.	200.333	1100.	9.	109854.538	331.443	15.	23.	150.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-07/24/79	27	1.968	1.914	3.041	0.954	0.322	0.568	1.176	1.362	2.176	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			82.003								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	38	0.	0.095	1.37	0.	0.062	0.248	0.	0.	0.078	0.366
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-12/20/82	38	0.41	0.685	4.15	0.	0.678	0.823	0.	0.138	1.063	1.635

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: COLO0222

NPS Station ID: COLO0222 LAT/LON: 37.300837/ -76.616115 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05149
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS 0 ECO Region:
RF1 Index: 02080107004 RF1 Mile Point: 15.620 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107000802.79 RF3 Mile Point: 2.78 Distance from RF3: 0.28 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	12/04/80-12/04/80	1	16.6	16.6	16.6	16.6	0.	0.	**	**	**	**
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	81	9.	53.29	1100.	1.5	22540.818	150.136	1.5	1.5	23.	138.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	81	0.954	1.014	3.041	0.176	0.532	0.729	0.176	0.176	1.362	2.135
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.327								
31621	FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100ML	11/05/79-12/20/82	35	3.6	13.52	93.	1.5	372.413	19.298	1.5	1.5	23.	43.
31621	LOG FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/10	11/05/79-12/20/82	35	0.556	0.769	1.968	0.176	0.325	0.57	0.176	0.176	1.362	1.633
31621	GM FECAL COLIFORM,A-1 MOD,WATER,44.5C,24HR MPN/100	GEOMETRIC MEAN =			5.873								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	115	0.	0.105	1.37	0.	0.062	0.25	0.	0.	0.03	0.384
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	115	0.55	0.851	4.7	0.	0.939	0.969	0.	0.16	1.27	1.974

** - 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

EPA Water Quality Criteria Analysis for Station: COLO0222

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	81	6	0.07	19	3	0.16	31	0	0.00	31	3	0.10			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	7	9.	43.643	150.	1.5	3252.893	57.034	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	7	0.954	1.203	2.176	0.176	0.537	0.733	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.965								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	7	0.	0.229	0.91	0.	0.15	0.387	**	**	**	**
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	7	1.58	1.24	1.98	0.26	0.49	0.7	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10 ##	1.5	69.7	460.	1.5	23032.733	151.765	1.5	1.5	59.25	435.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10 ##	0.176	0.795	2.663	0.176	0.908	0.953	0.176	0.176	1.296	2.629
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.237								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.1	0.334	1.37	0.	0.222	0.471	0.	0.	0.73	1.315
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.48	0.586	2.11	0.	0.452	0.672	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	14	9.	20.357	93.	1.5	646.17	25.42	1.5	1.5	28.	68.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	14	0.954	0.964	1.968	0.176	0.384	0.62	0.176	0.176	1.43	1.801
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.195								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	14	0.	0.029	0.3	0.	0.006	0.08	0.	0.	0.015	0.185
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	14	0.305	0.847	4.7	0.	1.579	1.257	0.	0.12	1.345	3.27

** - Less than 9 observations ## - Computed with 50% or 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 COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	9	23.	93.444	460.	4.	24397.278	156.196	4.	6.5	141.5	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	9	1.362	1.445	2.663	0.602	0.521	0.722	0.602	0.778	2.007	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			27.869								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	9	0.	0.107	0.61	0.	0.042	0.205	0.	0.	0.175	0.61
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	9	1.	0.931	2.13	0.14	0.34	0.583	0.14	0.445	1.165	2.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	12	9.	140.417	1100.	1.5	108013.856	328.655	1.5	4.	38.	908.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	12	0.954	1.198	3.041	0.176	0.803	0.896	0.176	0.602	1.566	2.928
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			15.761								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	12	4.	12.75	43.	1.5	188.295	13.722	1.5	1.5	23.	37.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	12	0.602	0.799	1.633	0.176	0.33	0.575	0.176	0.176	1.362	1.552
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.299								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.	0.033	0.36	0.	0.012	0.109	0.	0.	0.	0.288
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.18	0.476	1.72	0.	0.384	0.619	0.	0.	0.9	1.646

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10	4.	11.7	43.	1.5	187.511	13.693	1.5	3.375	23.	41.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	10	0.602	0.807	1.633	0.176	0.254	0.504	0.176	0.496	1.362	1.606
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			6.414								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.	0.136	1.01	0.	0.097	0.312	0.	0.	0.118	0.923
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	10	0.62	1.352	4.57	0.	2.751	1.659	0.	0.323	2.29	4.528

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	7	14.	33.286	150.	1.5	2835.155	53.246	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	7	1.146	1.033	2.176	0.176	0.566	0.752	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			10.783								
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	9	0.	0.149	1.	0.	0.115	0.338	0.	0.	0.17	1.
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	9	1.06	1.639	4.67	0.	2.072	1.439	0.	0.66	2.62	4.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.	0.025	0.27	0.	0.007	0.081	0.	0.	0.	0.218
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.29	0.787	2.32	0.	0.758	0.87	0.002	0.02	1.7	2.25

** - 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 1981 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.	0.038	0.26	0.	0.008	0.088	0.	0.	0.	0.24
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.41	0.483	1.38	0.	0.174	0.417	0.	0.13	0.8	1.288

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

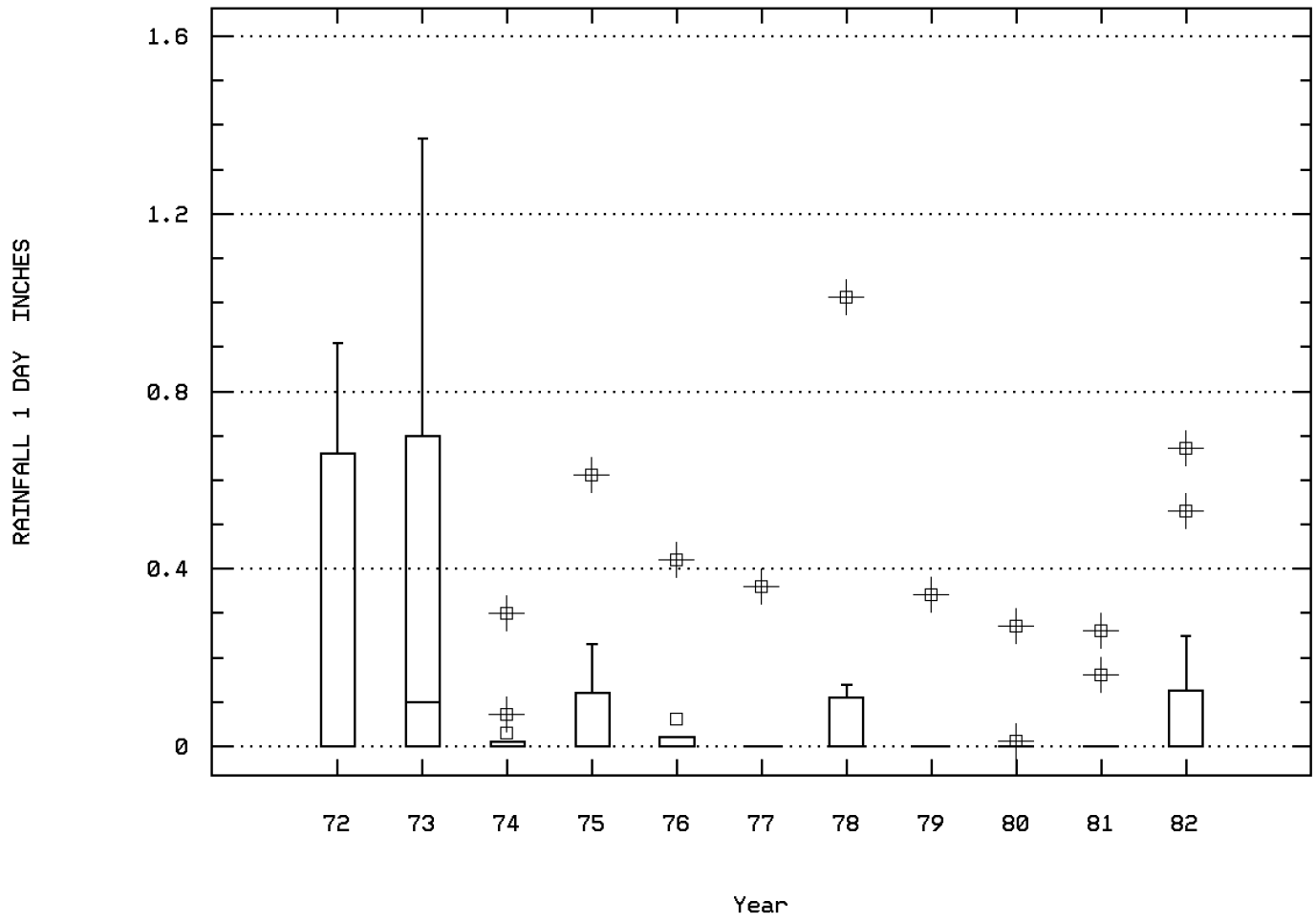
Annual Analysis for 1982 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82553p	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.	0.132	0.67	0.	0.06	0.245	0.	0.	0.25	0.642
82554p	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	11	0.75	0.646	1.28	0.	0.204	0.452	0.004	0.24	1.06	1.262

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: COL00222 Parameter Code: 82553

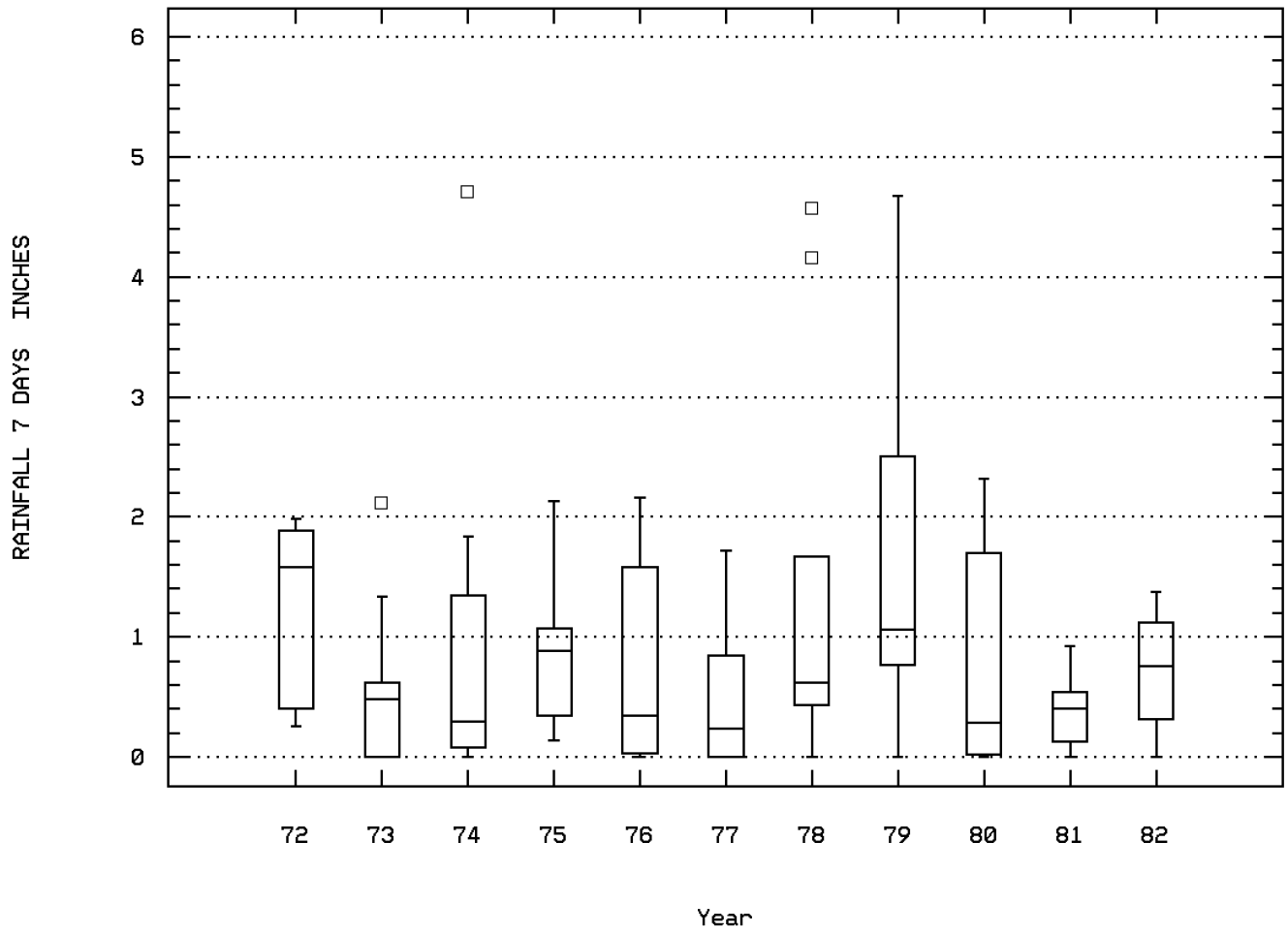
RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Station: COL00222 Parameter Code: 82554

RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SA



YORK RIVER:CAMP PEARY TO YORKTOWN NUMBE

Seasonal Analysis for Season #1: 7/01 to 10/15 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	19	9.	74.158	460.	1.5	21582.863	146.911	1.5	4.	43.	460.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	19	0.954	1.119	2.663	0.176	0.677	0.823	0.176	0.602	1.633	2.663
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			13.159								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	28	0.	0.169	0.91	0.	0.082	0.287	0.	0.	0.268	0.685
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	28	0.76	1.186	4.7	0.	1.958	1.399	0.	0.058	1.788	4.58

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/16 to 2/28 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	31	9.	21.452	150.	1.5	1517.973	38.961	1.5	1.5	23.	83.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	31	0.954	0.853	2.176	0.176	0.397	0.63	0.176	0.176	1.362	1.901
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			7.129								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	45	0.	0.06	1.01	0.	0.035	0.188	0.	0.	0.	0.196
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	45	0.55	0.727	2.5	0.	0.46	0.678	0.	0.16	1.16	1.79

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 3/01 to 6/30 - Station COLO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	31	23.	72.339	1100.	1.5	43942.94	209.626	1.5	4.	43.	176.6
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/28/72-10/17/79	31	1.362	1.11	3.041	0.176	0.571	0.756	0.176	0.602	1.633	2.184
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			12.894								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	42	0.	0.11	1.37	0.	0.076	0.276	0.	0.	0.078	0.402
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	07/28/72-12/20/82	42	0.435	0.762	4.15	0.	0.726	0.852	0.	0.21	1.12	1.965

** - Less than 9 observations ## - Computed 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: COLO0223

NPS Station ID: COLO0223 LAT/LON: 37.300837/ -76.655004 Agency: 21VASWCB Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): BSS05155
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS ECO Region:
RF1 Index: 02080107014 RF1 Mile Point: 1.870 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 02080107001300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: COLO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00480	SALINITY - PARTS PER THOUSAND	04/28/76-01/25/78	17	12.7	13.635	21.3	7.3	17.427	4.175	7.46	10.7	17.25	19.86
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	60	240.	364.967	1100.	7.	149583.084	386.76	24.6	43.	460.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	60	2.38	2.233	3.041	0.845	0.38	0.617	1.385	1.633	2.663	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			170.946								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	59	0.	0.112	1.37	0.	0.073	0.27	0.	0.	0.06	0.42
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	59	0.54	0.779	4.7	0.	0.724	0.851	0.	0.14	1.34	1.84

** - 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: COLO0223

			Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	60	32	0.53	14	6	0.43	24	12	0.50	22	14	0.64			

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station COLO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	5	460.	559.2	1100.	43.	269643.7	519.272	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	5	2.663	2.469	3.041	1.633	0.41	0.641	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			294.781								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	5	0.	0.006	0.03	0.	0.	0.013	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	5	1.58	1.162	1.98	0.26	0.605	0.778	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station COLO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	10	460.	373.3	1100.	7.	103979.789	322.459	10.6	43.	460.	1036.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	10	2.663	2.285	3.041	0.845	0.469	0.685	0.924	1.633	2.663	3.004
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			192.638								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	10	0.1	0.334	1.37	0.	0.222	0.471	0.	0.	0.73	1.315
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	10	0.48	0.586	2.11	0.	0.452	0.672	0.	0.	0.8	2.033

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station COLO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	13	93.	406.846	1100.	15.	244786.808	494.759	18.2	31.	1100.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	13	1.968	2.133	3.041	1.176	0.542	0.736	1.25	1.476	3.041	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			135.866								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	13	0.	0.032	0.3	0.	0.007	0.083	0.	0.	0.02	0.208
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	13	0.31	0.895	4.7	0.	1.676	1.295	0.	0.08	1.35	3.556

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station COLO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	10	460.	442.1	1100.	9.	153302.989	391.539	12.	79.5	620.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	10	2.663	2.363	3.041	0.954	0.446	0.668	1.018	1.874	2.757	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			230.559								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	10	0.	0.096	0.61	0.	0.039	0.196	0.	0.	0.148	0.572
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	10	1.005	0.982	2.13	0.14	0.328	0.573	0.156	0.518	1.305	2.061

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station COLO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	12	240.	305.667	1100.	39.	86034.788	293.317	55.2	93.	460.	908.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	12	2.38	2.32	3.041	1.591	0.164	0.405	1.704	1.968	2.663	2.928
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			209.046								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	12	0.	0.042	0.42	0.	0.015	0.12	0.	0.	0.015	0.312
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	12	0.46	0.711	2.16	0.	0.596	0.772	0.	0.048	1.47	2.055

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station COLO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	9	93.	220.222	1100.	43.	114795.694	338.815	43.	49.	240.	1100.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	9	1.968	2.069	3.041	1.633	0.211	0.459	1.633	1.687	2.38	3.041
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			117.224								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	8	0.	0.045	0.36	0.	0.016	0.127	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	8	0.095	0.328	1.35	0.	0.244	0.494	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station COLO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	11/06/72-01/25/78	1	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			9.								
82553	RAINFALL IN 1 DAY INCLUSIVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	1	1.01	1.01	1.01	1.01	0.	0.	**	**	**	**
82554	RAINFALL IN 7 DAYS INCLUSVE PRIOR TO SAMPLE INCHES	11/06/72-01/25/78	1	1.67	1.67	1.67	1.67	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed 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: COLO0224

NPS Station ID: COLO0224
LAT/LON: 37.302226/ -76.660281
Agency: 21VASWCB
Date Created: 12/18/82
Location: YORK RIVER:CAMP PEARY TO YORKTOWN NUMBERED STA
FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): BSS05156
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080107
Depth of Water: 0
Aquifer:
Major Basin: NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: RAPPAHANNOCK AND YORK RIVERS
0
ECO Region:
RF1 Index: 02080107014
RF1 Mile Point: 2.320
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 02080107001300.20
RF3 Mile Point: 0.20
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: COLO0224

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0225

NPS Station ID: COLO0225
LAT/LON: 37.303337/ -76.703060
Agency: 21VASWCB
Date Created: 07/01/89
Location: STA #3 - APPROX 200 FEET FROM DAM
FIPS State/County: 51800 VIRGINIA/SUFFOLK (CITY)
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 8-QEN006.84
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 02080207
Depth of Water: 0
Aquifer:
Major Basin: 02-NORTH ATLANTIC
Elevation: 0
Water Body Id:
Minor Basin: 8-YORK
ECO Region:
RF1 Index: 02080207
RF1 Mile Point: 0.000
Distance from RF1: 4.50
On/Off RF1:
RF3 Index: 02080206027600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.10
On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK(WALLER MILL RES.PORTION) SECTION: 02A TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA

Parameter Inventory for Station: COLO0225

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0226

NPS Station ID: COLO0226 LAT/LON: 37.304170/ -76.702781 Agency: 21VASWCB Date Created: 06/20/92
Location: WALLER MILL RESERVOIR STA #3 30 M ABOVE SPILLWAY FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 8-QEN007.02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 7.70 On/Off RF1:
RF3 Index: 02080107027400.63 RF3 Mile Point: 2.62 Distance from RF3: 0.16 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8- YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK SECTION: 02A TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMBURG, VA
LAKE STATION

Parameter Inventory for Station: COLO0226

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/87-07/29/92	3	29.4	22.967	29.5	10.	126.103	11.23	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/87-07/29/92	3	300.	313.333	345.	295.	758.333	27.538	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/87-07/29/92	3	6.3	4.667	7.6	0.1	16.063	4.008	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/87-07/29/92	3	7.97	7.833	8.44	7.09	0.47	0.685	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/30/87-07/29/92	3	7.97	7.497	8.44	7.09	0.64	0.8	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/87-07/29/92	3	0.011	0.032	0.081	0.004	0.002	0.043	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/30/87-08/15/89	2	7.7	7.7	8.1	7.3	0.32	0.566	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/30/87-08/15/89	2	7.537	7.537	8.1	7.3	0.373	0.611	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/87-08/15/89	2	0.029	0.029	0.05	0.008	0.001	0.03	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/87-08/15/89	2	129.	129.	141.	117.	288.	16.971	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/30/87-08/15/89	2 ##	10.75	10.75	19.	2.5	136.125	11.667	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/87-08/15/89	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/87-08/15/89	2 ##	8.25	8.25	14.	2.5	66.125	8.132	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/92-07/29/92	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	3 ##	0.025	0.018	0.025	0.005	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	3 ##	0.05	0.223	0.6	0.02	0.107	0.327	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/87-07/29/92	3	0.4	0.8	1.7	0.3	0.61	0.781	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/87-07/29/92	3	0.1	0.087	0.1	0.06	0.001	0.023	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/87-08/15/89	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/87-08/15/89	2	122.	122.	124.	120.	8.	2.828	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/92-07/29/92	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/92-07/29/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			100.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0226

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	3	1	0.33	3	1	0.33									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0227

NPS Station ID: COLO0227 LAT/LON: 37.305281/ -76.712782 Agency: 21VASWCB Date Created: 06/20/92
Location: STA #4 - MIDSTR. APPROX. 3000 FT. W OF DAM FIPS State/County: 51800 VIRGINIA/SUFFOLK (CITY)
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 8-QEN007.22
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 3.00 On/Off RF1:
RF3 Index: 02080206027300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.06 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8- YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK(WALLER MILL RES.PORTION SECTION: 02A TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA
LAKE STATION

Parameter Inventory for Station: COLO0227

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/87-07/29/92	3	29.2	25.633	30.1	17.6	48.603	6.972	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/87-07/29/92	3	290.	301.667	345.	270.	1508.333	38.837	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/87-07/29/92	2	7.25	7.25	7.9	6.6	0.845	0.919	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/87-07/29/92	3	8.1	8.013	8.42	7.52	0.208	0.456	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/30/87-07/29/92	3	8.1	7.854	8.42	7.52	0.246	0.496	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/87-07/29/92	3	0.008	0.014	0.03	0.004	0.	0.014	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/30/87-07/30/87	2	7.8	7.8	8.1	7.5	0.18	0.424	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/30/87-07/30/87	2	7.704	7.704	8.1	7.5	0.199	0.446	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/87-07/30/87	2	0.02	0.02	0.032	0.008	0.	0.017	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/87-07/30/87	2	128.	128.	138.	118.	200.	14.142	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/30/87-07/30/87	2 ##	12.75	12.75	23.	2.5	210.125	14.496	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/87-07/30/87	2 ##	7.25	7.25	12.	2.5	45.125	6.718	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/87-07/30/87	2 ##	6.75	6.75	11.	2.5	36.125	6.01	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/30/87-07/29/92	2 ##	0.023	0.023	0.025	0.02	0.	0.004	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	2 ##	0.015	0.015	0.025	0.005	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	3 ##	0.05	0.04	0.05	0.02	0.	0.017	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/87-07/29/92	3	0.4	0.733	1.4	0.4	0.333	0.577	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/87-07/29/92	3	0.1	0.12	0.2	0.06	0.005	0.072	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/87-07/30/87	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/87-07/30/87	2	126.	126.	130.	122.	32.	5.657	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/87-07/29/92	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/87-07/29/92	2 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			50.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0227

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0228

NPS Station ID: COLO0228 LAT/LON: 37.306671/ -76.702504 Agency: 21VASWCB Date Created: 07/01/89
Location: STA #4 - MIDSTR. APPROX. 3000 FT. WEST OF DAM FIPS State/County: 51800 VIRGINIA/SUFFOLK (CITY)
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 8-QEN007.03
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080207 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080207 RF1 Mile Point: 0.000 Distance from RF1: 1.50 On/Off RF1:
RF3 Index: 02080107001300.44 RF3 Mile Point: 1.19 Distance from RF3: 0.03 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK(WALLER MILL RES.PORTION) SECTION: 02A TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA

Parameter Inventory for Station: COLO0228

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0229

NPS Station ID: COLO0229 LAT/LON: 37.316948/ -76.706948 Agency: 21VASWCB Date Created: 07/01/89
Location: STA #2 - MIDSTR. APPROX 200 FT. N OF RT. 645 FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 8-QEN007.87
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 23.60 On/Off RF1:
RF3 Index: 02080107028600.00 RF3 Mile Point: 1.66 Distance from RF3: 0.02 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK(WALLER MILL RES.PORTION) SECTION: 02A TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA

Parameter Inventory for Station: COLO0229

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: COLO0230

NPS Station ID: COLO0230 LAT/LON: 37.317503/ -76.706948 Agency: 21VASWCB Date Created: 06/20/92
Location: WALLER MILL RESERVOIR STA #2 20 M N RT. 645 FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 8-QEN008.02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 1.90 On/Off RF1:
RF3 Index: 02080107021200.00 RF3 Mile Point: 0.04 Distance from RF3: 0.06 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8- YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK SECTION: 02A TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA
LAKE STATION

Parameter Inventory for Station: COLO0230

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/87-07/29/92	4	28.45	25.375	29.6	15.	48.869	6.991	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/87-07/29/92	3	255.	268.333	310.	240.	1358.333	36.856	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/87-07/29/92	3	6.8	5.467	9.4	0.2	22.493	4.743	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/87-07/29/92	4	7.98	7.948	8.71	7.12	0.423	0.65	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/30/87-07/29/92	4	7.98	7.607	8.71	7.12	0.577	0.76	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/87-07/29/92	4	0.01	0.025	0.076	0.002	0.001	0.034	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/30/87-07/30/87	2	7.6	7.6	8.1	7.1	0.5	0.707	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/30/87-07/30/87	2	7.36	7.36	8.1	7.1	0.616	0.785	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/87-07/30/87	2	0.044	0.044	0.079	0.008	0.003	0.051	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/87-07/30/87	2	127.	127.	137.	117.	200.	14.142	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/30/87-07/30/87	2 ##	10.75	10.75	19.	2.5	136.125	11.667	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/87-07/30/87	2 ##	6.75	6.75	11.	2.5	36.125	6.01	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/87-07/30/87	2 ##	5.25	5.25	8.	2.5	15.125	3.889	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/92-07/29/92	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	3 ##	0.025	0.018	0.025	0.005	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/87-07/29/92	3 ##	0.05	0.523	1.5	0.02	0.716	0.846	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/30/87-07/29/92	3	0.6	1.25	2.75	0.4	1.698	1.303	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/87-07/29/92	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/87-07/30/87	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/87-07/30/87	2	120.	120.	120.	120.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/87-07/29/92	3 ##	50.	66.667	100.	50.	833.333	28.868	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/30/87-07/29/92	3 ##	1.699	1.799	2.	1.699	0.03	0.174	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			62.996								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0230

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	3	1	0.33	3	1	0.33									
00400	PH	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	3	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0231

NPS Station ID: COLO0231 LAT/LON: 37.324726/ -76.713615 Agency: 21VASWCB Date Created: 06/20/92
Location: WALLER MILL RESERV. STA #1, 1KM N RT. 645 FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 8-QEN008.58
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 3.50 On/Off RF1:
RF3 Index: 02080107001300.44 RF3 Mile Point: 7.19 Distance from RF3: 0.04 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8- YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK SECTION: 02A TOPO MAP #: 0061 TOPO MAP NAME: WILLIAMSBURG, VA
LAKE STATION

Parameter Inventory for Station: COLO0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/87-07/29/92	4	28.15	28.	29.5	26.2	2.327	1.525	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/25/77-07/29/92	4	250.	243.75	255.	220.	272.917	16.52	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/92-07/29/92	1	244.	244.	244.	244.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/30/87-07/29/92	4	3.9	4.35	9.5	0.1	23.637	4.862	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/29/92-07/29/92	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/29/92-07/29/92	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/30/87-07/29/92	3	7.53	7.877	8.68	7.42	0.487	0.698	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/30/87-07/29/92	3	7.53	7.634	8.68	7.42	0.575	0.758	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/87-07/29/92	3	0.03	0.023	0.038	0.002	0.	0.019	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/25/77-07/29/92	4	7.9	7.875	8.3	7.4	0.163	0.403	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/25/77-07/29/92	4	7.855	7.74	8.3	7.4	0.187	0.432	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/25/77-07/29/92	4	0.014	0.018	0.04	0.005	0.	0.016	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/25/77-07/29/92	4	113.5	113.	121.	104.	86.	9.274	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/30/87-07/30/87	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/87-07/30/87	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/87-07/30/87	2 ##	2.25	2.25	2.5	2.	0.125	0.354	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/92-07/29/92	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/92-07/29/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/92-07/29/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/25/77-07/29/92	2 ##	0.035	0.035	0.05	0.02	0.	0.021	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/25/77-07/29/92	4 ##	0.015	0.015	0.025	0.005	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/25/77-07/29/92	4 ##	0.038	0.036	0.05	0.02	0.	0.016	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/25/77-07/29/92	4	0.55	0.575	0.9	0.3	0.063	0.25	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/25/77-07/29/92	4	0.095	0.085	0.1	0.05	0.001	0.024	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/77-08/25/77	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/25/77-07/29/92	4	5.5	5.975	7.9	5.	1.869	1.367	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/87-07/29/92	3	120.	122.333	138.	109.	214.333	14.64	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/29/92-07/29/92	2	165.	165.	230.	100.	8450.	91.924	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/29/92-07/29/92	2 ##	22.5	22.5	40.	5.	612.5	24.749	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/92-07/29/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/92-07/29/92	1 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: COLO0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			50.								
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/29/92-07/29/92	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/29/92-07/29/92	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/29/92-07/29/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/29/92-07/29/92	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/29/92-07/29/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/29/92-07/29/92	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/29/92-07/29/92	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/29/92-07/29/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/29/92-07/29/92	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: COLO0231

				Total	Exceed	Prop.	----------7/01-10/15----------			----------10/16-2/28----------			----------3/01-6/30----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	2	0.50	4	2	0.50									
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	1	1.00	1	1	1.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00403	PH, LAB	Other-Hi Lim.	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00	4	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	4	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	1.	2	0	0.00	2	0	0.00									
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	2	0	0.00	2	0	0.00									
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	2	0	0.00	2	0	0.00									
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: COLO0231

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00	2	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	2	0	0.00	2	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00	2	0	0.00									
		Drinking Water	3.	2	0	0.00	2	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
		Drinking Water	0.4	2	0	0.00	2	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: COLO0232

NPS Station ID: COLO0232 LAT/LON: 37.325004/ -76.713892 Agency: 21VASWCB Date Created: 07/01/89
Location: STA #1 - MIDSTR. APPROX 3700 FT. NW OFF RT. 645 FIPS State/County: 51199 VIRGINIA/YORK
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 8-QEN008.60
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 02080107 Depth of Water: 0 Aquifer:
Major Basin: 02-NORTH ATLANTIC Elevation: 0 Water Body Id:
Minor Basin: 8-YORK ECO Region:
RF1 Index: 02080107 RF1 Mile Point: 0.000 Distance from RF1: 3.30 On/Off RF1:
RF3 Index: 02080107001300.44 RF3 Mile Point: 7.19 Distance from RF3: 0.00 On/Off RF3:
Description:
VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8 YORK REGION: 5 TIDEWATER
RIVER: QUEEN CREEK(WALLER MILL RES.PORT) SECTION: 02A TOPO MAP #; 0061 TOPO MAP NAME: WILLIAMSBURG, VA

Parameter Inventory for Station: COLO0232

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

EPA Water Quality Criteria Analysis for Entire COLO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/15 Obs	7/01-10/15 Exceed	7/01-10/15 Prop.	10/16-2/28 Obs	10/16-2/28 Exceed	10/16-2/28 Prop.	3/01-6/30 Obs	3/01-6/30 Exceed	3/01-6/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	7	0	0.00				6	0	0.00			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00				1	0	0.00	2	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	575	4	0.01	202	4	0.02	153	0	0.00	220	0	0.00			
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	849	10	0.01	510	7	0.01	134	2	0.01	205	1	0.00			
00400	PH	Other-Hi Lim.	9.	711	60	0.08	304	26	0.09	169	6	0.04	238	28	0.12			
		Other-Lo Lim.	6.5	711	12	0.02	304	5	0.02	169	6	0.04	238	1	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	136	0	0.00	41	0	0.00	37	0	0.00	58	0	0.00			
		Other-Lo Lim.	6.5	136	0	0.00	41	0	0.00	37	0	0.00	58	0	0.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	0	0.00							1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	167	0	0.00	66	0	0.00	47	0	0.00	54	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	510	0	0.00	210	0	0.00	117	0	0.00	183	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	164	0	0.00	63	0	0.00	47	0	0.00	54	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	393	1	0.00	159	1	0.01	98	0	0.00	136	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	116	0	0.00	51	0	0.00	19	0	0.00	46	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	40	0	0.00	20	0	0.00	14	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	167	69	0.41	74	38	0.51	36	14	0.39	57	17	0.30			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	99	17	0.17	37	5	0.14	32	8	0.25	30	4	0.13			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	1	0	0.00							1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	51	0	0.00	25	0	0.00				26	0	0.00			
		Drinking Water	50.	51	0	0.00	25	0	0.00				26	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8 &	4	0.50	4	2	0.50	1	1	1.00	3	1	0.33			
		Drinking Water	5.	8 &	4	0.50	4	2	0.50	1	1	1.00	3	1	0.33			
01034	CHROMIUM, TOTAL	Drinking Water	100.	93	0	0.00	35	0	0.00	11	0	0.00	47	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	93	31	0.33	35	12	0.34	11	4	0.36	47	15	0.32			
		Drinking Water	1300.	93	0	0.00	35	0	0.00	11	0	0.00	47	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	83	0	0.00	35	0	0.00	11	0	0.00	37	0	0.00			
		Drinking Water	5.	68 &	46	0.68	30	20	0.67	7	5	0.71	31	21	0.68			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	2.	0 &	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	59	0	0.00	26	0	0.00	6	0	0.00	27	0	0.00			
		Drinking Water	100.	59	4	0.07	26	2	0.08	6	2	0.33	27	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00							3	0	0.00			
		Drinking Water	100.	3	1	0.33							3	1	0.33			
01092	ZINC, TOTAL	Fresh Acute	120.	92	8	0.09	35	4	0.11	10	3	0.30	47	1	0.02			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	148	23	0.16	72	13	0.18	10	5	0.50	66	5	0.08			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	120	20	0.17	34	2	0.06	44	9	0.20	42	9	0.21			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	113	14	0.12	29	2	0.07	42	9	0.21	42	3	0.07			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	4342 &	260	0.06	1187	90	0.08	1565	73	0.05	1590	97	0.06			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	382 &	53	0.14	169	22	0.13	70	14	0.20	143	17	0.12			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	1.	7	0	0.00	4	0	0.00				3	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	7	0	0.00	4	0	0.00				3	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	7	0	0.00	4	0	0.00				3	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	7	0	0.00	4	0	0.00				3	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	10	0	0.00	4	0	0.00				6	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00							2	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00							1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	8	0	0.00	4	0	0.00				4	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	1	1.00	1	1	1.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	0.2	7	0	0.00	4	0	0.00				3	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00	2	0	0.00									
		Drinking Water	3.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the edit criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire COLO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/01-10/15---------- Obs	Exceed	Prop.	----------10/16-2/28---------- Obs	Exceed	Prop.	----------3/01-6/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
		Drinking Water	0.4	2	0	0.00	2	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00									
		Drinking Water	0.2	2	0	0.00	2	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	5	0	0.00	2	0	0.00				3	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00							3	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	5	0	0.00	2	0	0.00				3	0	0.00			
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	5	0	0.00	2	0	0.00				3	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	6	2	0.33	3	2	0.67	2	0	0.00	1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	3	0	0.00	3	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	37	0	0.00	17	0	0.00	14	0	0.00	6	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	37	0	0.00	17	0	0.00	14	0	0.00	6	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	86 &	0	0.00	34	0	0.00	11	0	0.00	41	0	0.00			
		Drinking Water	2.	86 &	0	0.00	34	0	0.00	11	0	0.00	41	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	59	4	0.07	17	1	0.06	18	3	0.17	24	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the edit 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 COLO 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 COLO Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	1	1	0	0	1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	181	74	83	24	34
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	3	0	3	0	1
00440	BICARBONATE ION (MG/L AS HCO3)	41	1	37	3	20
00445	CARBONATE ION (MG/L AS CO3)	39	0	37	2	19
		265	76	160	29	75 (35)[1]

pH		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	830	309	341	180	36
00403	PH, LAB (STANDARD UNITS)	139	75	43	21	16
		969	384	384	201	52 (37)[1]

Conductivity		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	824	666	158	0	12
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	169	121	45	3	29
00096	SALINITY AT 25 DEGREES C (MG/ML)	679	652	27	0	7
00480	SALINITY - PARTS PER THOUSAND	3110	0	301	2809	28
		4782	1439	531	2812	76 (60)[1]

Dissolved Oxygen		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	701	662	39	0	12
00300	OXYGEN, DISSOLVED (MG/L)	929	165	302	462	12
		1630	827	341	462	24 (19)[1]

Water Temperature		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	4302	668	590	3044	50
		4302	668	590	3044	50 (50)[1]

Flow		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00061	FLOW, STREAM, INSTANTANEOUS CFS	8	0	8	0	1
00067	TIDE STAGE CODE	8736	392	4829	3515	0
		8744	392	4837	3515	1 (1)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	14	1	1	12	5
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	6	6	0	0	1
00077	TRANSPARENCY, SECCHI DISC (INCHES)	35	0	0	35	1
00078	TRANSPARENCY, SECCHI DISC (METERS)	140	125	15	0	1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	389	188	150	51	13
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	59	59	0	0	6
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	1	1	0	0	1
		644	380	166	98	28 (15)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	255	237	18	0	1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	502	76	304	122	18
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	285	235	50	0	19
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	395	83	184	128	17
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	3	0	3	0	1
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	657	320	208	129	18
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	116	0	116	0	7
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	40	0	40	0	19
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	3	0	0	3	3
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	37	1	36	0	19
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	37	0	37	0	18
		2330	952	996	382	140 (38)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	45	0	37	8	21
00665	PHOSPHORUS, TOTAL (MG/L AS P)	387	318	69	0	13
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	256	237	19	0	2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	415	238	177	0	23
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	266	0	147	119	10
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	363	70	172	121	13
		1732	863	621	248	82 (38)[1]

Chlorophyll		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	8	0	8	0	1
		8	0	8	0	1 (1)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	85	45	37	3	29
00945	SULFATE, TOTAL (MG/L AS SO4)	99	59	37	3	25
00946	SULFATE, DISSOLVED (MG/L AS SO4)	1	1	0	0	1
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	40	0	37	3	19
		225	105	111	9	74 (30)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Bacteria		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31503	COLIFORM, TOT, MEMBRANE FILTER,DELAY,M-ENDOMED,35C	18	0	1	17	6
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	148	0	76	72	10
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	145	50	95	0	3
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	130	35	95	0	4
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	4343	18	2646	1679	81
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	402	59	206	137	17
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	99	0	99	0	8
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	143	0	67	76	6
		5428	162	3285	1981	135 (93)[1]

Toxic Elements		Total Obs.	01/01/85 to 08/25/93	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01002	ARSENIC, TOTAL (UG/L AS AS)	51	0	40	11	9
01012	BERYLLIUM, TOTAL (UG/L AS BE)	1	0	1	0	1
01027	CADMIUM, TOTAL (UG/L AS CD)	70	0	50	20	9
01034	CHROMIUM, TOTAL (UG/L AS CR)	93	0	53	40	9
01042	COPPER, TOTAL (UG/L AS CU)	93	0	53	40	9
01051	LEAD, TOTAL (UG/L AS PB)	83	0	53	30	9
71900	MERCURY, TOTAL (UG/L AS HG)	87	0	53	34	9
01065	NICKEL, DISSOLVED (UG/L AS NI)	59	0	47	12	8
01067	NICKEL, TOTAL (UG/L AS NI)	3	0	3	0	2
01147	SELENIUM, TOTAL (UG/L AS SE)	1	0	1	0	1
01059	THALLIUM, TOTAL (UG/L AS TL)	1	0	1	0	1
01092	ZINC, TOTAL (UG/L AS ZN)	92	0	53	39	9
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	2
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10	2	8	0	3
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	2	2	0	0	1
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	2	2	0	0	1
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	2	2	0	0	1
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	2	2	0	0	1
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	5	0	5	0	2
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	8	2	5	1	4
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	2	2	0	0	1
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	2	2	0	0	1
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	2	2	0	0	1
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	7	2	5	0	3
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1
34671	PCB - 1016, TOTAL (UG/L)	2	2	0	0	1
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1
		732	46	456	230	121 (10)[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	265	76	28.7	35	18.5	7.6	03/20/69-07/13/93	10.9
pH	969	384	39.6	37	19.6	26.2	07/22/68-08/25/93	38.6
Conductivity	4782	1439	30.1	60	31.7	79.7	04/19/55-08/25/93	124.7
Dissolved Oxygen	1630	827	50.7	19	10.1	85.8	11/05/63-08/25/93	54.7
Water Temperature	4302	668	15.5	50	26.5	86.0	04/19/55-08/25/93	112.2
Flow	8744	392	4.5	1	0.5	8744.0	08/26/82-09/20/84	4219.0
Clarity/Turbidity	644	380	59.0	15	7.9	42.9	05/04/64-07/13/93	22.1
Nitrate/Nitrogen	2330	952	40.9	38	20.1	61.3	03/20/69-08/25/93	95.4
Phosphate/Phosphorus	1732	863	49.8	38	20.1	45.6	03/20/69-08/25/93	70.9
Chlorophyll	8	0	0.0	1	0.5	8.0	07/28/83-10/12/83	8.0[1]
Sulfates/Total Dissolved Solids/Hardness	225	105	46.7	30	15.9	7.5	07/01/71-07/13/93	10.2
Bacteria	5428	162	3.0	93	49.2	58.4	08/17/41-07/13/93	104.6
Toxic Elements	732	46	6.3	10	5.3	73.2	03/19/70-07/29/92	32.7

[1]Period of record for this parameter group was less than one year. Value shown is the total observations.

Water Quality Observations
Outside STORET Edit Criteria for COLO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
COLO0065	00400	PH (STANDARD UNITS)	870909	0945	0.0000000	21VASWCB	2-JMS042.92	x
COLO0098	00405	CARBON DIOXIDE (MG/L AS CO2)	770802	1300	109.0000000	112WRD	371325076470701	x
COLO0105	00405	CARBON DIOXIDE (MG/L AS CO2)	770802	1520	134.0000000	112WRD	371343076400801	x
COLO0114	00405	CARBON DIOXIDE (MG/L AS CO2)	770802	1430	672.0000000	112WRD	371406076384301	x
COLO0115	00405	CARBON DIOXIDE (MG/L AS CO2)	770811	1322	208.0000000	112WRD	371406076445701	x
COLO0115	00405	CARBON DIOXIDE (MG/L AS CO2)	771219	1113	166.0000000	112WRD	371406076445701	x
COLO0116	00405	CARBON DIOXIDE (MG/L AS CO2)	770811	1309	1090.0000000	112WRD	371410076453101	x
COLO0116	00405	CARBON DIOXIDE (MG/L AS CO2)	771219	1050	217.0000000	112WRD	371410076453101	x
COLO0139	00500	RESIDUE, TOTAL (MG/L)	790712	1020	27740.0000000	21VASWCB	8-YRK005.93	
COLO0139	00500	RESIDUE, TOTAL (MG/L)	790809	0830	28210.0000000	21VASWCB	8-YRK005.93	
COLO0139	00500	RESIDUE, TOTAL (MG/L)	790924	1005	20010.0000000	21VASWCB	8-YRK005.93	
COLO0139	00500	RESIDUE, TOTAL (MG/L)	791016	0950	20980.0000000	21VASWCB	8-YRK005.93	
COLO0139	00500	RESIDUE, TOTAL (MG/L)	791113	1115	18010.0000000	21VASWCB	8-YRK005.93	
COLO0139	00505	RESIDUE, TOTAL VOLATILE (MG/L)	790712	1020	12170.0000000	21VASWCB	8-YRK005.93	
COLO0139	00505	RESIDUE, TOTAL VOLATILE (MG/L)	790809	0830	10960.0000000	21VASWCB	8-YRK005.93	
COLO0139	00510	RESIDUE, TOTAL FIXED (MG/L)	790712	1020	15560.0000000	21VASWCB	8-YRK005.93	
COLO0139	00510	RESIDUE, TOTAL FIXED (MG/L)	790809	0830	17250.0000000	21VASWCB	8-YRK005.93	
COLO0139	00510	RESIDUE, TOTAL FIXED (MG/L)	790924	1005	15210.0000000	21VASWCB	8-YRK005.93	
COLO0139	00510	RESIDUE, TOTAL FIXED (MG/L)	791016	0950	16460.0000000	21VASWCB	8-YRK005.93	
COLO0139	00510	RESIDUE, TOTAL FIXED (MG/L)	791113	1115	11950.0000000	21VASWCB	8-YRK005.93	
COLO0139	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	790712	1020	90000.0000000	21VASWCB	8-YRK005.93	x
COLO0139	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	790809	0830	60000.0000000	21VASWCB	8-YRK005.93	x
COLO0139	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	790809	0830	80000.0000000	21VASWCB	8-YRK005.93	x
COLO0139	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	790809	0830	80000.0000000	21VASWCB	8-YRK005.93	x
COLO0150	00440	BICARBONATE ION (MG/L AS HCO3)	780601	1600	470.0000000	112WRD	371447076463501	
COLO0164	00500	RESIDUE, TOTAL (MG/L)	920714	1040	17500.0000000	21VASWCB	8-KNG004.46	
COLO0164	00500	RESIDUE, TOTAL (MG/L)	921005	1135	16100.0000000	21VASWCB	8-KNG004.46	
COLO0164	00510	RESIDUE, TOTAL FIXED (MG/L)	920714	1040	13300.0000000	21VASWCB	8-KNG004.46	
COLO0164	00510	RESIDUE, TOTAL FIXED (MG/L)	921005	1135	14600.0000000	21VASWCB	8-KNG004.46	
COLO0164	00510	RESIDUE, TOTAL FIXED (MG/L)	921207	0950	10300.0000000	21VASWCB	8-KNG004.46	
COLO0164	00510	RESIDUE, TOTAL FIXED (MG/L)	930210	1210	11300.0000000	21VASWCB	8-KNG004.46	
COLO0164	00510	RESIDUE, TOTAL FIXED (MG/L)	930713	1040	10800.0000000	21VASWCB	8-KNG004.46	
COLO0175	00405	CARBON DIOXIDE (MG/L AS CO2)	770811	1417	1780.0000000	112WRD	371543076443401	x
COLO0175	00405	CARBON DIOXIDE (MG/L AS CO2)	771219	1350	563.0000000	112WRD	371543076443401	x
COLO0176	00405	CARBON DIOXIDE (MG/L AS CO2)	770811	1422	273.0000000	112WRD	371543076443402	x
COLO0176	00405	CARBON DIOXIDE (MG/L AS CO2)	771219	1415	142.0000000	112WRD	371543076443402	x
COLO0194	00500	RESIDUE, TOTAL (MG/L)	921105	1055	19500.0000000	21VASWCB	8-FEL000.19	
COLO0194	00500	RESIDUE, TOTAL (MG/L)	921207	0930	19900.0000000	21VASWCB	8-FEL000.19	
COLO0194	00500	RESIDUE, TOTAL (MG/L)	930210	1145	20500.0000000	21VASWCB	8-FEL000.19	
COLO0194	00500	RESIDUE, TOTAL (MG/L)	930713	1025	20800.0000000	21VASWCB	8-FEL000.19	
COLO0194	00510	RESIDUE, TOTAL FIXED (MG/L)	921105	1055	16200.0000000	21VASWCB	8-FEL000.19	

Water Quality Observations
Outside STORET Edit Criteria for COLO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
COLO0194	00510	RESIDUE, TOTAL FIXED (MG/L)	921207	0930	16900.0000000	21VASWCB	8-FEL000.19	
COLO0194	00510	RESIDUE, TOTAL FIXED (MG/L)	930210	1145	16700.0000000	21VASWCB	8-FEL000.19	
COLO0194	00510	RESIDUE, TOTAL FIXED (MG/L)	930617	1030	13405.0000000	21VASWCB	8-FEL000.19	
COLO0199	00500	RESIDUE, TOTAL (MG/L)	690603	0950	22066.0000000	21VASWCB	8-KNG000.00	
COLO0199	00500	RESIDUE, TOTAL (MG/L)	690910	1605	17686.0000000	21VASWCB	8-KNG000.00	
COLO0199	00500	RESIDUE, TOTAL (MG/L)	700319	1400	17568.0000000	21VASWCB	8-KNG000.00	
COLO0199	00500	RESIDUE, TOTAL (MG/L)	700507	1700	21897.0000000	21VASWCB	8-KNG000.00	
COLO0199	00505	RESIDUE, TOTAL VOLATILE (MG/L)	700414	1520	11629.0000000	21VASWCB	8-KNG000.00	
COLO0199	00510	RESIDUE, TOTAL FIXED (MG/L)	690603	0950	20514.0000000	21VASWCB	8-KNG000.00	
COLO0199	00510	RESIDUE, TOTAL FIXED (MG/L)	690910	1605	13054.0000000	21VASWCB	8-KNG000.00	
COLO0199	00510	RESIDUE, TOTAL FIXED (MG/L)	700319	1400	15399.0000000	21VASWCB	8-KNG000.00	
COLO0199	00510	RESIDUE, TOTAL FIXED (MG/L)	700507	1700	15002.0000000	21VASWCB	8-KNG000.00	
COLO0199	00545	RESIDUE, SETTLEABLE (ML/L)	700414	1520	12399.0000000	21VASWCB	8-KNG000.00	

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where COMPRESS.ZIP is the name of one of the seven compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where COMPRESS.ZIP is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) <u>COLOTABS.ZIP</u>

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) COLOSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) COLOAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) COLOAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) COLOOV0.DOC - Overview of park and retrieved data.

(e) COLOOV1.DOC - Station period of record table.

(f) COLOOV2.DOC - Parameter period of record table.

(g) COLOOV3.DOC - Station/parameter period of record table.

(h) COLOINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) COLOSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) COLOEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) COLOIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) COLOBAD.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 COLOOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\COLOOV1.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) <u>COLOFIGS.ZIP</u>

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 COLO0001. 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 COLO0001) 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) COLOPARM.ZIP

This file compresses COLOPARM.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) COLOSITE.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) COLOWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) COLOIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) COLODRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) COLOGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) COLODAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database. (Not implemented in COLO report.)

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) COLOMISC.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) COLOEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) COLOTOC.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) COLOREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) COLOWQ - 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 (COLOWQA, COLOWQB, COLOWQC, etc.) and the index map name will end with an ampersand (&).

(g) COLOIDG - 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 (COLOIDGA, COLOIDGB, COLOIDGC, 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) COLOSEHY - 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 COLOFIGS.ZIP and COLOTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in COLOMISC.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) COLORF3.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) COLOWQMW.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: COLOPARM.DBF in COLOPARM.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: COLOPARM.DBF in COLOPARM.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: COLOPARM.DBF in COLOPARM.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: COLOWQ.DBF in COLOSITE.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: COLOWQ.DBF in COLOSITE.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: COLOIFD.DBF in COLOSITE.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: COLOIFD.DBF in COLOSITE.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: COLOIFD.DBF in COLOSITE.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: COLODRIN.DBF in COLOSITE.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: COLODRIN.DBF in COLOSITE.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: COLODRIN.DBF in COLOSITE.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: COLOGAGE.DBF in COLOSITE.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: COLOGAGE.DBF in COLOSITE.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: COLODAMS.DBF in COLOSITE.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: COLODAMS.DBF in COLOSITE.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: COLODAMS.DBF in COLOSITE.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: COLODAMS.DBF in COLOSITE.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 COLORF3.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 COLORF3.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 COLORF3.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 COLORF3.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 COLORF3.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 COLORF3.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[l]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[l]	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+	1300[a]	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300[a]	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300[a]	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15[a]	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15[a]	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15[a]	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		0.020[c]			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1[+]	100[s]	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		20[r]			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000[r]			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000[r]			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000[r]			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		8.0[r]			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0[r]			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0[r]			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20[c]			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20[c]			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20[c]			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020[c]			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20[c]			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200[^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100t			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100t			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100t			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100t			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100t			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		100t			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100t			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100t			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*	0.1t			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	6.0p	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[p]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250[s]			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20[c]			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300[a]	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400+	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[1]	TURBIDITY, FIELD	NTU	Physical
	82079				50[1]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.
[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).
[***]pH Dependent Criteria (7.8 pH Used).
[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.
[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.
[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.
[!]Arizona state standard.
[a]EPA action level, 40 CFR 141.80.
[b]California and Florida state bathing water standards.
[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.
[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.
[p]Proposed Criterion.
[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.
[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.
[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.
[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-

STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-

STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447

STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326
STORET Code	**Nitrate/Nitrogen Parameter Group**	**C.A.S. Number**
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
STORET Code	**Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)**	**C.A.S. Number**
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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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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