Baseline Water Quality Data

Inventory and Analysis

Gauley River National Recreation Area



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

GAULEY RIVER NATIONAL RECREATION AREA

National Park Service
Water Resources Division
Fort Collins, CO 80525

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EXECUTIVE SUMMARY

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

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located 48 industrial/municipal dischargers; five drinking water intakes; 17 active or inactive U. S. Geological Survey (USGS) water gages (including stream, well, and climate); and three water impoundments. The results of the STORET retrieval for the study area yielded 91,940 observations for 326 separate parameters collected by the USGS, EPA, National Park Service (NPS), U. S. Corps of Engineers, and the West Virginia Department of Natural Resources at 80 monitoring stations. One station in McKee Creek (GARI 0039) was used only for monitoring fish tissues, and one station in Summersville Lake (GARI 0046) did not contain data appropriate for statistical analysis. Fifteen stations were located within the park boundary.

Most of the 80 monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Twenty-four stations within the study area yielded longer-term records consisting of multiple observations for several important water quality parameters. Six stations yielding longer-term records within the park boundary are: (1) Gauley River (GARI 0043); (2) Gauley River Below Summersville, WV (GARI 0044); (3) Summersville Dam (GARI 0045); (4) Meadow River Near Mt. Lookout, WV (GARI 0060); (5) Mid Gauley (GARI 0069); and (6) Peters Creek (GARI 0071)[†]. Eighteen stations yielding longer-term records within the study area, but outside of the park boundary are: (1) Summersville Reservoir (GARI 0003); (2) Summersville Reservoir (GARI 0004); (3) Summersville Reservoir (GARI 0008); (4) Hominy Ck. (GARI 0021); (5) R 14.0 Muddlety Cr @ Hwy 41 Br @ Summersville WV (GARI 0022); (6) Summersville Lake of Gauley R. (GARI 0027); (7) Collison Creek Near Nallen, WV (GARI 0030); (8) Summersville Reservoir (GARI 0032); (9) Meadow River Near Nallen, W. Va. (GARI 0033); (10) R 21.0 Anglins Cr @ Hwy 41 Br Nr Pool WV (GARI 0041); (11) Meadow River (GARI 0042); (12) Summersville Lake On Gauley R. (GARI 0050); (13) Peters Creek Near Lockwood, WV (GARI 0068); (14) South Side Swiss (GARI 0072); (15) Gauley River At Beech Glen, W. Va. (GARI 0074); (16) Gauley River Above Belva WV (GARI 0076); (17) R 26.0 Twentymile Cr @ Hwy 16/3 Br @ Belva WV (GARI 0078); and (18) R 25.0 Bells Cr @ HWY 16 Br @ Dixie WV (GARI 0080).

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

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

the exceeded criteria in this report. The results of the GARI water quality criteria screen found 18 parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, antimony, cadmium, chromium, copper, lead, mercury, silver, and zinc exceeded their respective EPA criteria for the protection of freshwater aquatic life. Antimony, beryllium, cadmium, chloride, lead, mercury, nickel, thallium, and zinc exceeded their respective EPA drinking water criteria. Bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively. Alkalinity was below the threshold used by the NPS Air Quality Division for determining potential sensitivity to acid deposition (buffering capacity).

Dissolved oxygen concentrations were measured 7,021 times at 63 monitoring stations from 1946 through 1995. Six-hundred-seventy-three observations at nine stations in Summersville Lake/Reservoir (GARI 0003, GARI 0004, GARI 0027, GARI 0032, GARI 0035, GARI 0049, GARI 0050), Hominy Creek (GARI 0021), and the Meadow River Near Mt. Lookout, WV (GARI 0060) were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of aquatic life. Most of the observations below the criterion (99 percent) were recorded at the stations in Summersville Lake/Reservoir.

The pH was measured 6,922 times at 73 monitoring stations from 1946 through 1995. Of the 6,916 observations used in the criteria analysis (see Composite Code Screen in the Methodology for explanation), 3,338 observations at 45 stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life). Three observations were greater than or equal to pH 9.0 and 3,335 observations were less than or equal to pH 6.5. The highest reported pH was 12 SU in the Gauley River at Beech Glen, WV (GARI 0074) in February 1995. The lowest pH of 1 SU was also reported in the Gauley River at Beech Glen, WV (GARI 0074) in April 1994. Approximately 91 percent of the observations outside the pH criteria range were recorded at stations in Summersville Lake/Reservoir (GARI 0003, GARI 0004, GARI 0005, GARI 0008, GARI 0011, GARI 0025, GARI 0027, GARI 0032, GARI 0035, GARI 0040, GARI 0045, GARI 0049, GARI 0050).

Turbidity was measured 949 times at 24 monitoring stations from 1946 through 1995. Ninety-one observations in the Meadow River near Nallen, WV (GARI 0033), Summersville Lake on the Gauley River (GARI 0050), the Gauley River at Beech Glen, WV (GARI 0074), and creeks (GARI 0071, GARI 0078, GARI 0080) exceeded the WRD screening criterion of 50 turbidity units (JTU/FTU/NTU). The highest reported value of 240 NTU was in Peters Creek (GARI 0071) in April 1994. Approximately 76 percent of the observations exceeding the criterion were recorded in Summersville Lake on the Gauley River (GARI 0050).

Total coliform concentrations were measured 309 times at 20 stations from 1967 through 1984. One-hundred observations in Summersville Reservoir (GARI 0004), Muddlety Creek (GARI 0010, GARI 0013, GARI 0014), Arbuckle Branch (GARI 0015, GARI 0017, GARI 0020, GARI 0023, GARI 0026), the Meadow River near Nallen, WV (GARI 0033), McKee Creek (GARI 0038), and the Gauley River at Beech Glen, WV (GARI 0074) exceeded the WRD bathing water criterion of 1,000 Colony Forming Units per 100 milliliters (CFU/100 ml). The highest reported concentration was 185,000 CFU/100 ml in Arbuckle Branch (GARI 0023) in September 1979. Approximately 77 percent of the observations exceeding the criterion were recorded in the Meadow River near Nallen, WV (GARI 0033) and the Gauley River at Beech Glen, WV (GARI 0074). Fecal coliform concentrations were determined 840 times at 32 stations from 1946 through 1995. Of the 720 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 180 observations in Arbuckle Branch (GARI 0017, GARI 0020, GARI 0023, GARI 0026), the Meadow River (GARI 0033, GARI 0042, GARI 0060), Peters Creek (GARI 0068, GARI 0071), the Gauley River (GARI 0074, GARI 0076), Twentymile Creek (GARI 0077, GARI 0078), and Muddlety Creek (GARI 0022) exceeded the WRD bathing water criterion of 200 CFU/100 ml. The highest reported concentration was 52,500 CFU/100 ml in Arbuckle Branch (GARI 0023) in September 1979. Approximately 61 percent of the observations exceeding the criterion were recorded in the Gauley River at Beech Glen, WV (GARI 0074).

Total alkalinity was determined by low-level (less than 10 milligrams per liter (mg/L) as $CaCO_3$) gran analysis twice at each of three stations in Fockler Branch (GARI 0028) and Hedricks Creek (GARI 0064, GARI 0065) in April and May of 1986. All six observations, ranging from 6.6 to 90.0 microequivalents per liter (µeq/L), were below the NPS Air Quality Division's 200 µeq/L threshold, indicating sensitivity to acid deposition.

Chloride concentrations (including dissolved and total) were measured 1,142 times at 47 stations from 1946 through 1993. Of the 1,136 observations used in the criteria analysis (see Composite Code Screen in the Methodology for explanation), one concentration of 300 mg/L in the Gauley River at Beech Glen, WV (GARI 0074) exceeded the secondary drinking water criterion of 250 mg/L in November 1975.

Antimony concentrations (including dissolved and total) were measured 667 times at ten stations from 1975 through 1989. Fifteen observations in Summersville Reservoir (GARI 0003), the Gauley River (GARI 0043, GARI 0074), and the Meadow River near Nallen, WV (GARI 0033) exceeded the proposed acute freshwater criterion of 88 micrograms per liter (µg/L) and/or the drinking water criterion of 6 µg/L. The highest reported concentration of 950 µg/L occurred in the Meadow River near Nallen, WV (GARI 0033) in July 1975.

Beryllium concentrations (including dissolved and total) were measured 705 times at 28 monitoring stations from 1980 through 1989. Five total concentrations, ranging from 5 µg/L to 15 µg/L in Summersville Lake on the Gauley River (GARI 0050) exceeded the drinking water criterion of 4.0 µg/L in 1981 and 1982.

Cadmium concentrations (including dissolved and total) were measured 636 times at 32 monitoring stations from 1968 through 1989. Of the 417 observations used in the criteria analysis (see Composite Code Screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 78 concentrations in Summersville Lake/Reservoir (GARI 0003, GARI 0027, GARI 0050), the Gauley River (GARI 0043, GARI 0074), the Meadow River near Nallen, WV (GARI 0033), and creeks (GARI 0030, GARI 0068, GARI 0080) exceeded the drinking water criterion of 5.0 µg/L and/or the acute freshwater criterion of 3.9 µg/L. Eighty-two percent of the observations exceeding the criteria were recorded at two stations, the Meadow River near Nallen, WV (GARI 0033) and the Gauley River at Beech Glen, WV (GARI 0074). The highest reported value of 85 µg/L occurred in Summersville Lake on the Gauley River (GARI 0050) in April 1975.

Chromium concentrations (including dissolved, total, and hexavalent) were measured 693 times at 11 monitoring stations from 1968 through 1989. One hexavalent concentration of 51 µg/L in the Gauley River at Beech Glen, WV (GARI 0074) exceeded the acute freshwater criterion of 16 µg/L in October 1983.

Copper concentrations (including dissolved and total) were measured 451 times at 31 monitoring stations from 1971 through 1989. Of the 305 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), one total concentration of 31 µg/L in the Meadow River near Nallen, WV (GARI 0033) exceeded the acute freshwater criterion of 18 µg/L in April 1976.

Lead concentrations (including dissolved and total) were measured 588 times at 31 monitoring stations from 1967 through 1995. Seventy-nine concentrations in Summersville Reservoir (GARI 0003), the Meadow River near Nallen, WV (GARI 0033), the Gauley River (GARI 0074, GARI 0076), and creeks (GARI 0022, GARI 0068, GARI 0078) exceeded the acute freshwater criterion of 82 µg/L and/or the drinking water action level of 15 µg/L. Approximately 85 percent of the observations exceeding the criteria were recorded in the Gauley River at Beech Glen, WV (GARI 0074). The highest reported value of 650 µg/L also occurred in the Gauley River at Beech Glen, WV (GARI 0074) in August 1968.

Mercury concentrations (including dissolved and total) were measured 466 times at nine monitoring stations from 1970 through 1984. Fifty-five concentrations in Summersville Lake/Reservoir (GARI 0003, GARI 0050) and the Gauley River (GARI 0043) exceeded the acute freshwater criterion of 2.4 µg/L and/or the drinking water criterion of 2 µg/L. Approximately 78 percent of the observations exceeding these criteria occurred in Summersville Lake/Reservoir (GARI 0003, GARI 0050). The highest reported value of 5.5 µg/L occurred in Summersville Lake (GARI 0050) in June 1975.

Nickel concentrations (including dissolved and total) were measured 240 times at 11 monitoring stations from 1972 through 1989. One total concentration of 510 µg/L in the Meadow River near Nallen, WV (GARI 0033) and

one total concentration of 150 µg/L in the Gauley River (GARI 0043) exceeded the drinking water criterion of 100 µg/L in October 1979 and July 1974, respectively.

Silver concentrations (including dissolved and total) were measured 109 times at four monitoring stations from 1968 through 1984. Three concentrations ranging from 8 µg/L to 15 µg/L in the Meadow River near Nallen, WV (GARI 0033) and the Gauley River at Beech Glen, WV (GARI 0074) exceeded the acute freshwater criterion of 4.1 µg/L from 1975 through 1977.

Thallium concentrations (including dissolved and total) were measured 429 times in Summersville Lake/Reservoir (GARI 0003, GARI 0008, GARI 0027, GARI 0050), Hominy Creek (GARI 0021), and the Gauley River (GARI 0043) in 1981 and 1982. Eighty-five concentrations, ranging from 100 µg/L to 500 µg/L, at all six stations exceeded the drinking water criterion of 2 µg/L.

Zinc concentrations (including dissolved and total) were measured 1,078 times at 34 monitoring stations from 1968 through 1989. One observation was excluded from the criteria analysis due to the Composite Code (see the Methodology for explanation). Forty-eight observations in Summersville Lake/Reservoir (GARI 0003, GARI 0027, GARI 0050), the Meadow River (GARI 0033, GARI 0058), and the Gauley River (GARI 0043, GARI 0059, GARI 0066, GARI 0074) exceeded the secondary drinking water criterion of 5,000 µg/L and/or the acute freshwater criterion of 120 µg/L. The highest reported value of 5,820 µg/L occurred in the Gauley River (GARI 0043) in August 1987.

The IDEA conducted for GARI indicates that STORET data exist for all Level I parameter groups in the study area. Sufficient quantities of timely data were retrieved for most of the required parameters. Results for 14 of the 127 EPA priority toxic pollutants (consisting of inorganic parameters only) were retrieved from STORET. No organic data were available from STORET.

Surface water resources in the GARI study area include the Gauley River, Meadow River, Summersville Reservoir, and several creeks. The data inventories and analyses contained in this report indicate that surface waters within the study area have been impacted by bacteria and trace metals. Potential anthropogenic sources of contaminants include municipal and residential development; wastewater discharges; recreational use; farming and livestock grazing; and abandoned and active coal mines.

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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 Hermsen helped prepare the report and write the Executive Summary.

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

Randy Siddens uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

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

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

Vickie Baitinger 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.

STORET Edit Criteria

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

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

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

Date Screen

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

Station Type Screen

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

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

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

Phase 0 Parameter Screen

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

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

Phase 1 Parameter Screen

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

Media Type Screen

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

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

Remark Code Screen

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

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

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

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

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

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

Composite Type Screen

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

Table D. Possible STORET Composite Type Codes

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

Phase 2 Parameter Screen

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

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

Observations/Period of Record Screen

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

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

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

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

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

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

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

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

Statistical Definitions

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

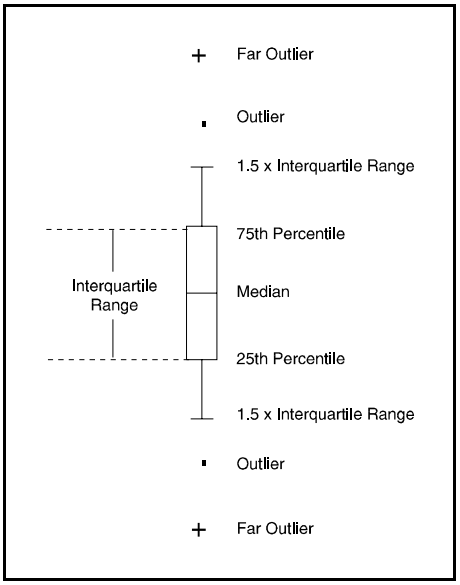
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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

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

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

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



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

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

Overview

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

Regional Location Map

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

Water Quality Monitoring Locations Map(s)

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

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

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

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

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

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

Representative Mean Annual Hydrograph for Seasonal Analysis

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

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

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

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

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

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

Contacts for Agency Codes Retrieved

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

Quantity of Data Retrieved by Agency Code

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

Station Period of Record Tabulation

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

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

Parameter Period of Record Tabulation

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

Station/Parameter Period of Record Tabulation

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

Station-By-Station Results

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

Station Inventory for Station

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

Parameter Inventory for Station

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

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

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

EPA Water Quality Criteria Analysis for Station

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

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

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

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

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

Time Series Plots for Station

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

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

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

Annual Analysis for Station

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

Annual Box-and-Whiskers Plots for Station

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

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

Seasonal Analysis for Station

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

Seasonal Box-and-Whiskers Plots for Station

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

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

EPA Water Quality Criteria Analysis for Entire Park Study Area

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

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

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

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

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

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

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

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

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

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

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

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

Water Quality Observations Outside STORET Edit Criteria for Park

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

WATER QUALITY RESULTS

OVERVIEW FOR GARI[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:	100941	10438
# STORET Stations:	80	15
# Stations With No Data:	0	0
# Stations With No Stat. Analysis:	1	0
# Longer Term Stations:	24	6
Date of STORET Retrieval:	08/29/95	08/29/95
Period of Record:	06/13/45-06/22/95	03/26/66-06/19/95
# Parameters Measured:	326	136
# Water Quality Observations:	91940	9283
# Industrial/Municipal Facilities:	48	2
# Drinking Water Intakes:	5	0
# Water Gages:	17	3
# Water Impoundments:	3	1
# Total Plots:	127	0
# Time Series:	42	0
# Annual:	47	0
# Seasonal:	38	0

Hydrologic Definition of Seasons:

1. October 1 - April 14
2. April 15 - September 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:

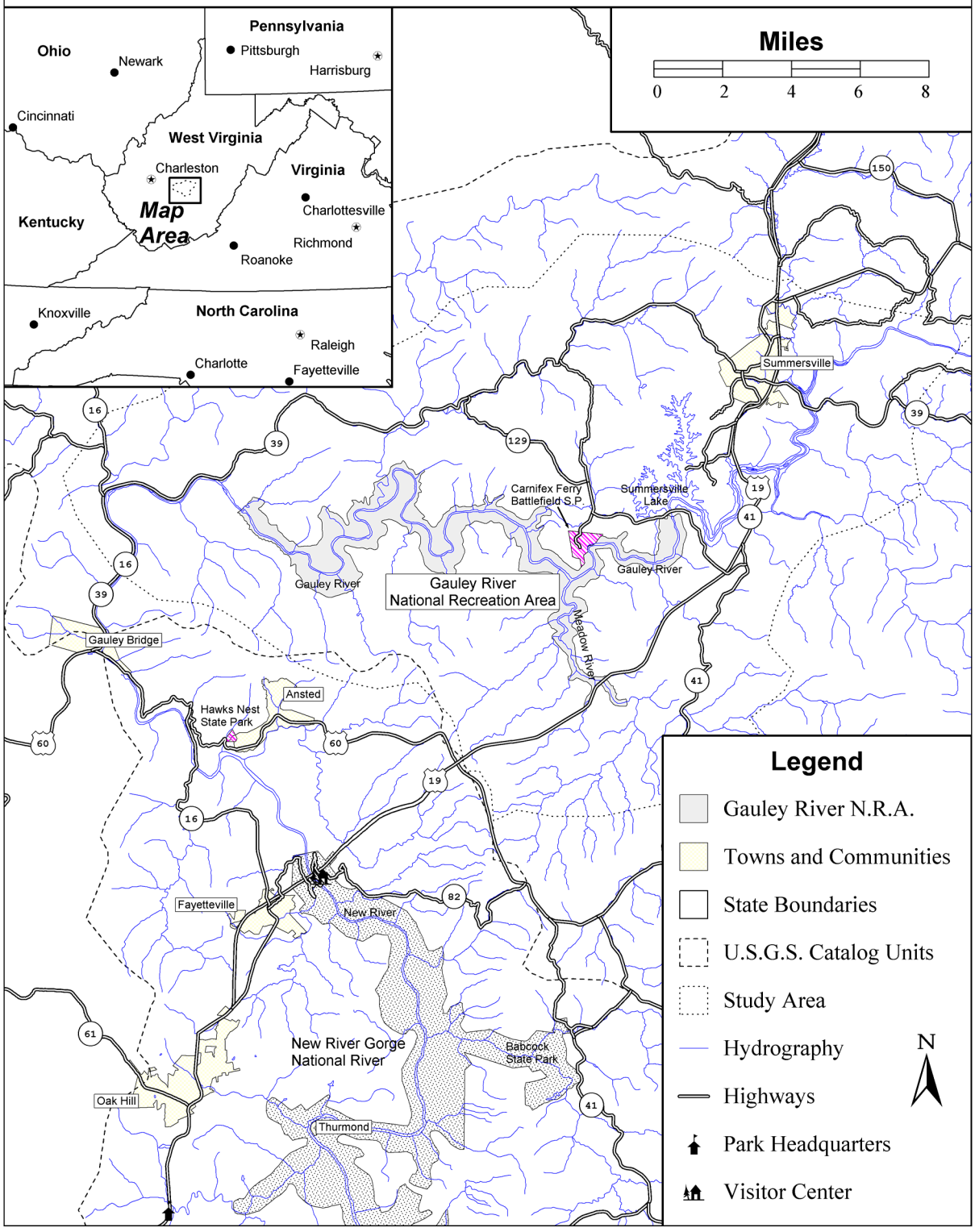
To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 22 years and observations in at least 4 of the 22 years.

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

[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).

Gauley River National Recreation Area

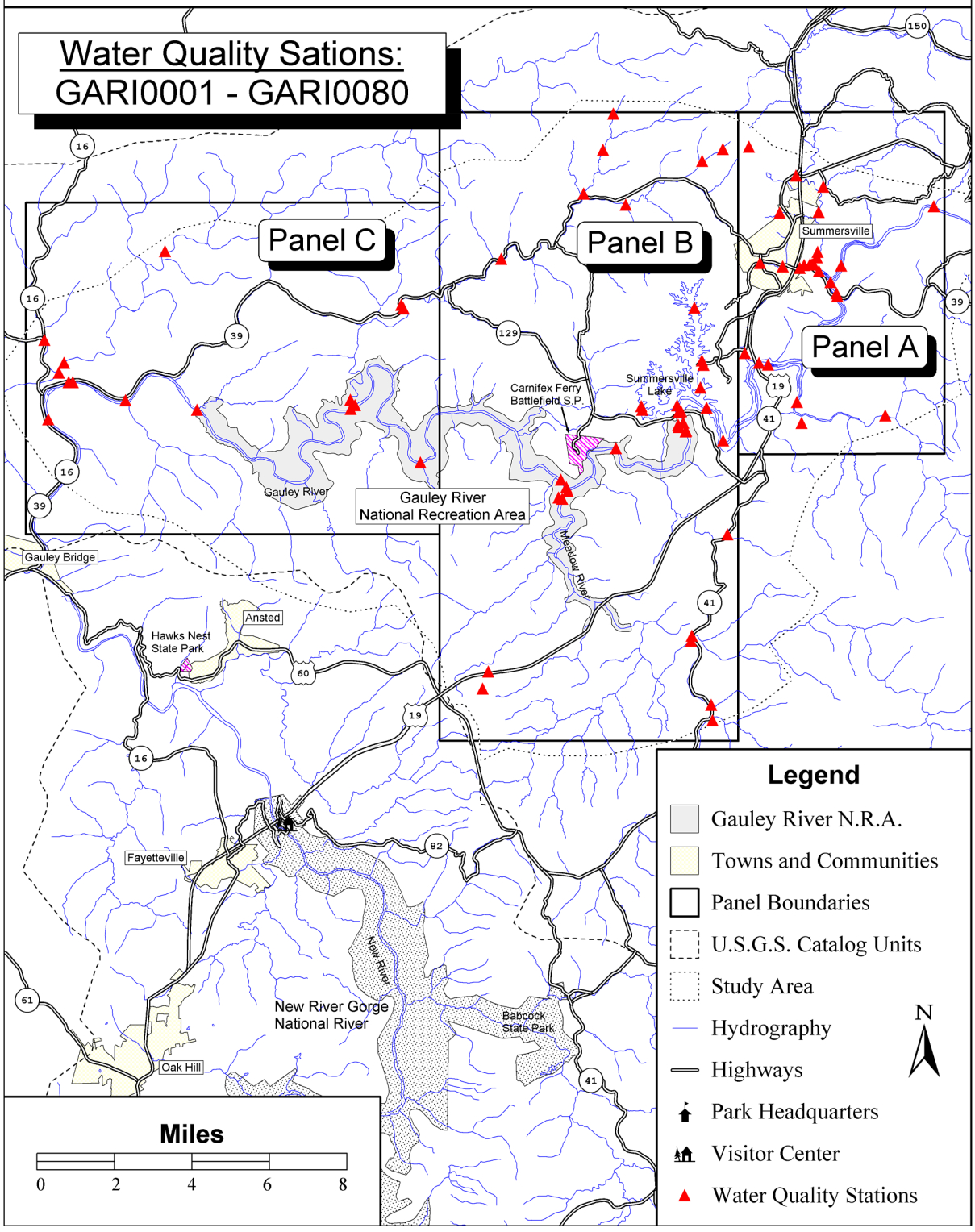
Regional Location Map



Gauley River National Recreation Area

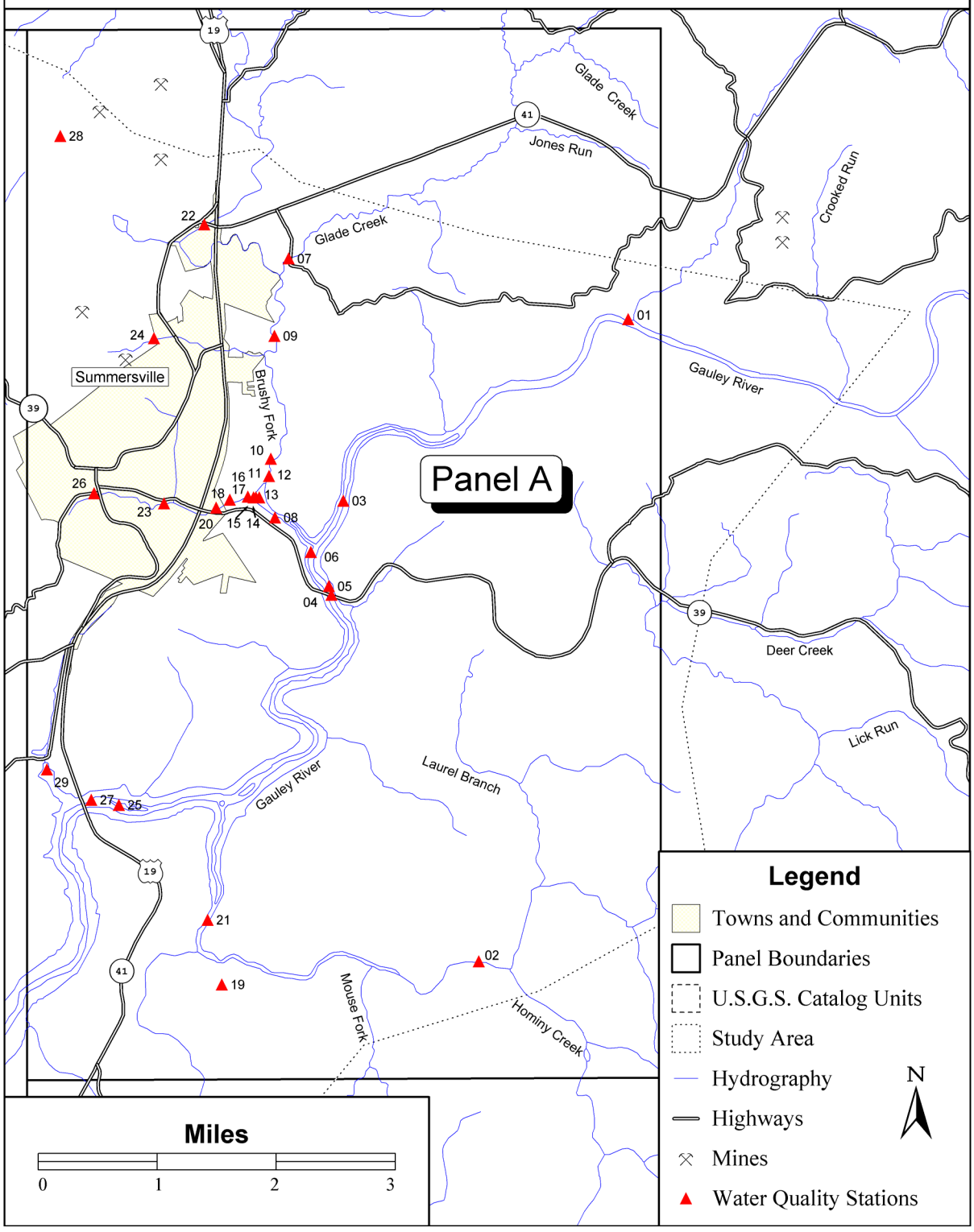
Water Quality Monitoring Locations

Graphic Panel Index



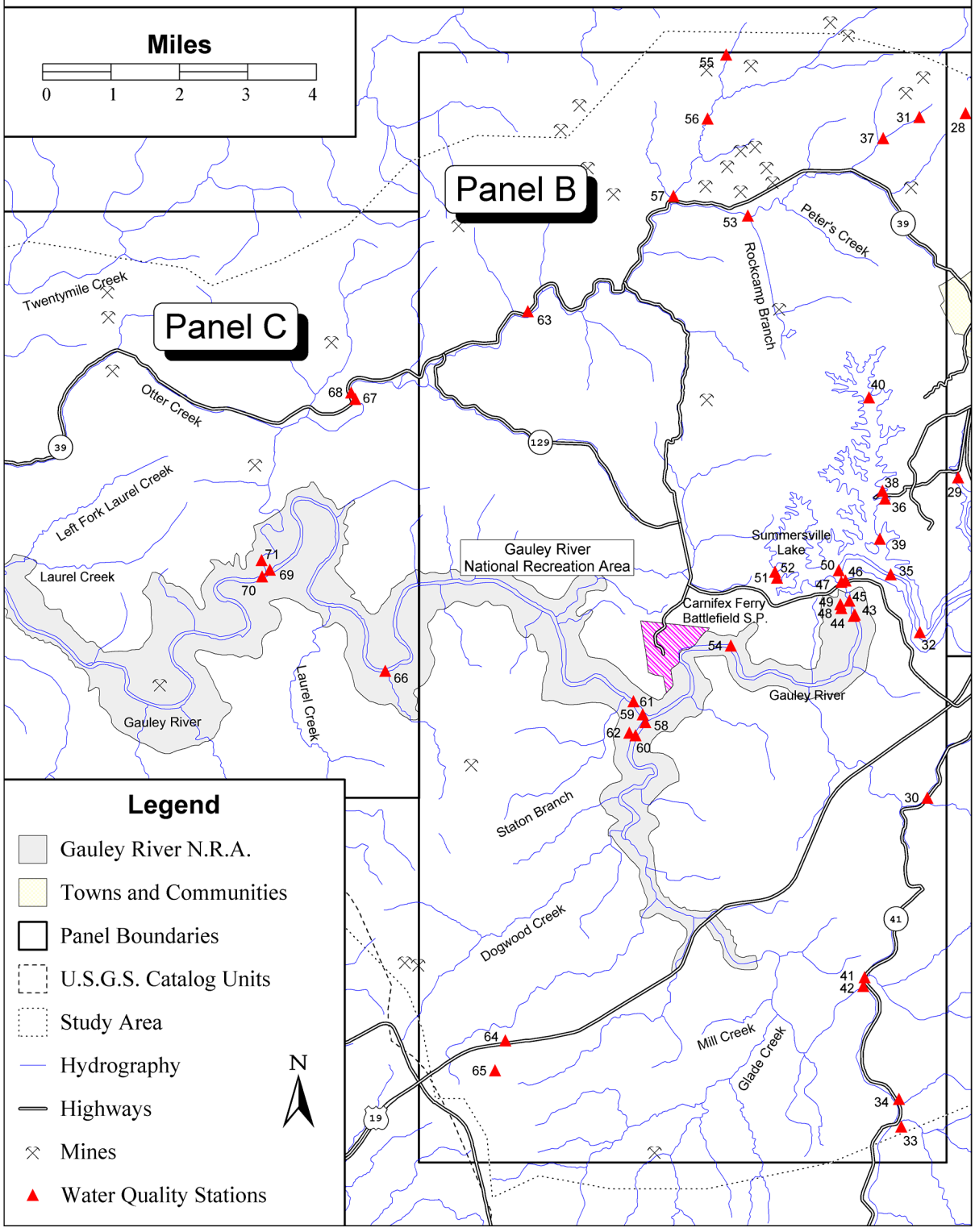
Gauley River National Recreation Area

Water Quality Monitoring Locations



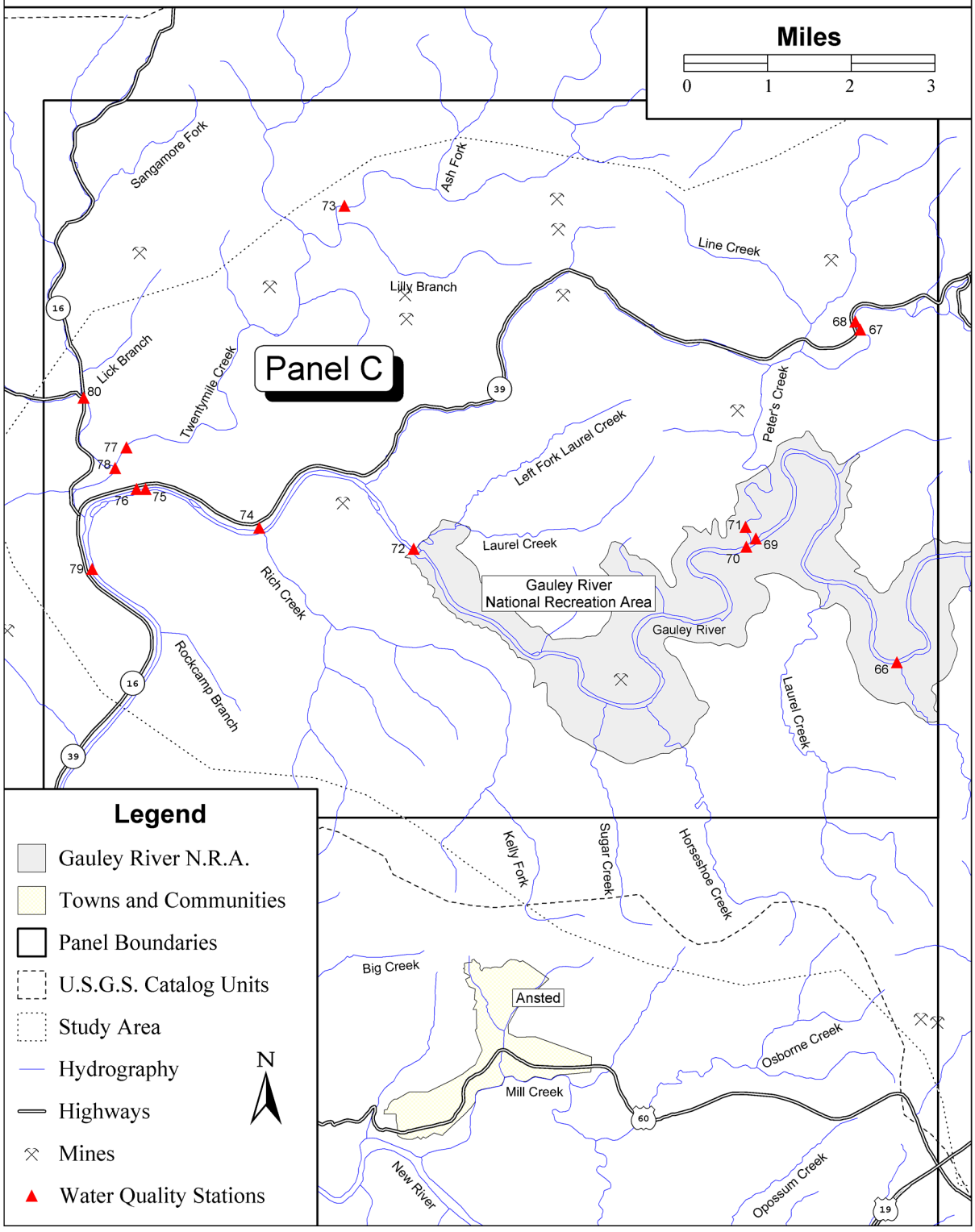
Gauley River National Recreation Area

Water Quality Monitoring Locations



Gauley River National Recreation Area

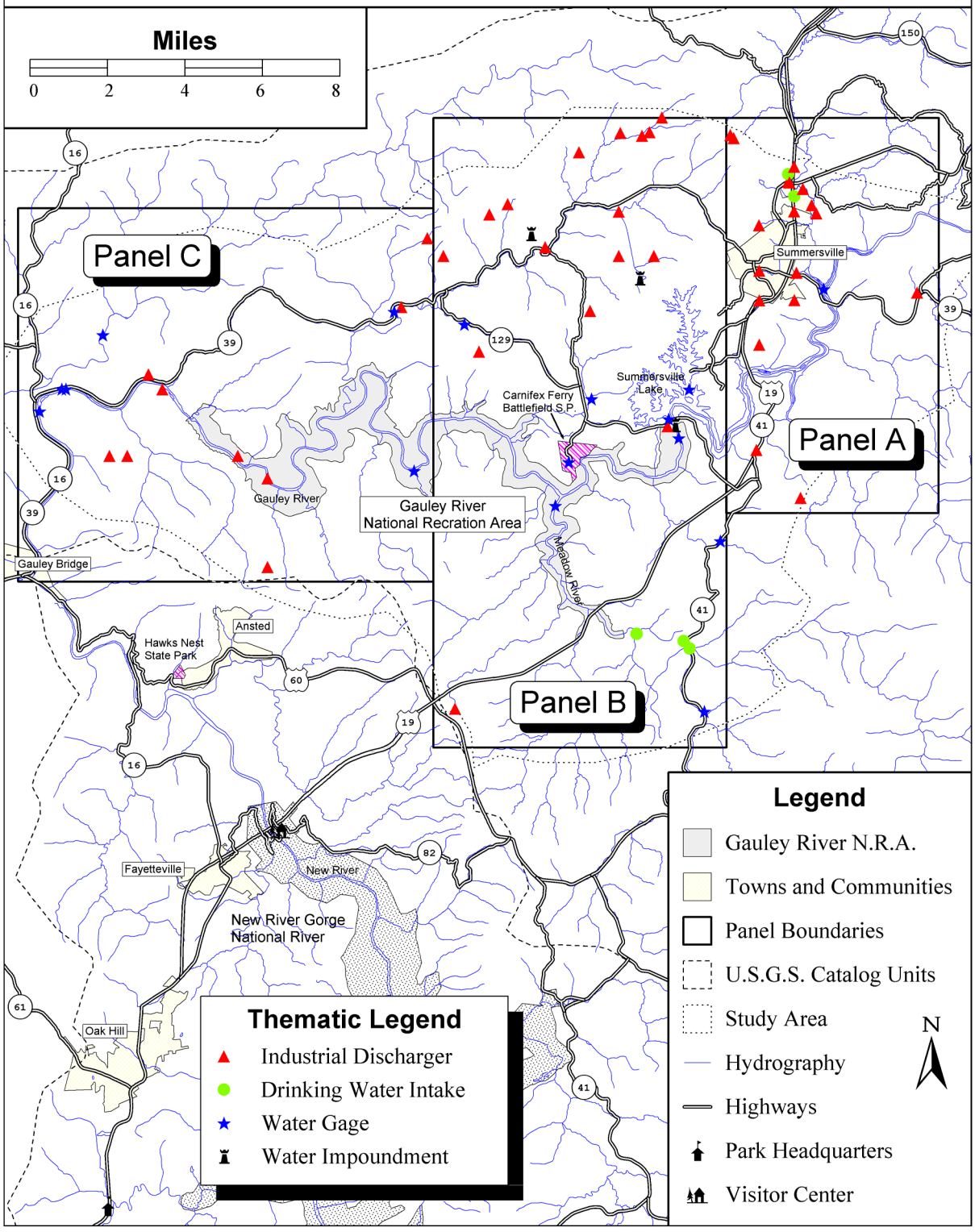
Water Quality Monitoring Locations



Gauley River National Recreation Area

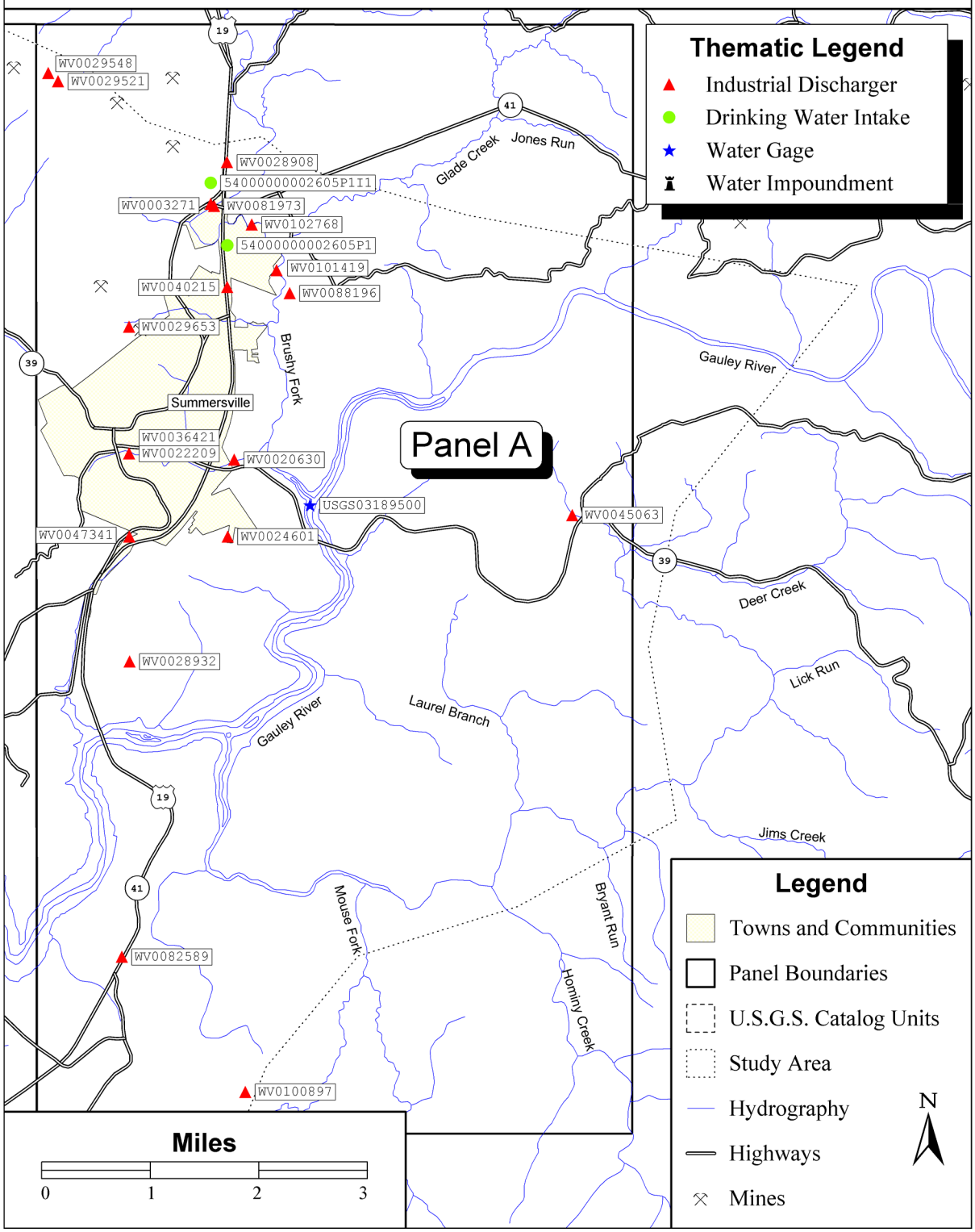
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



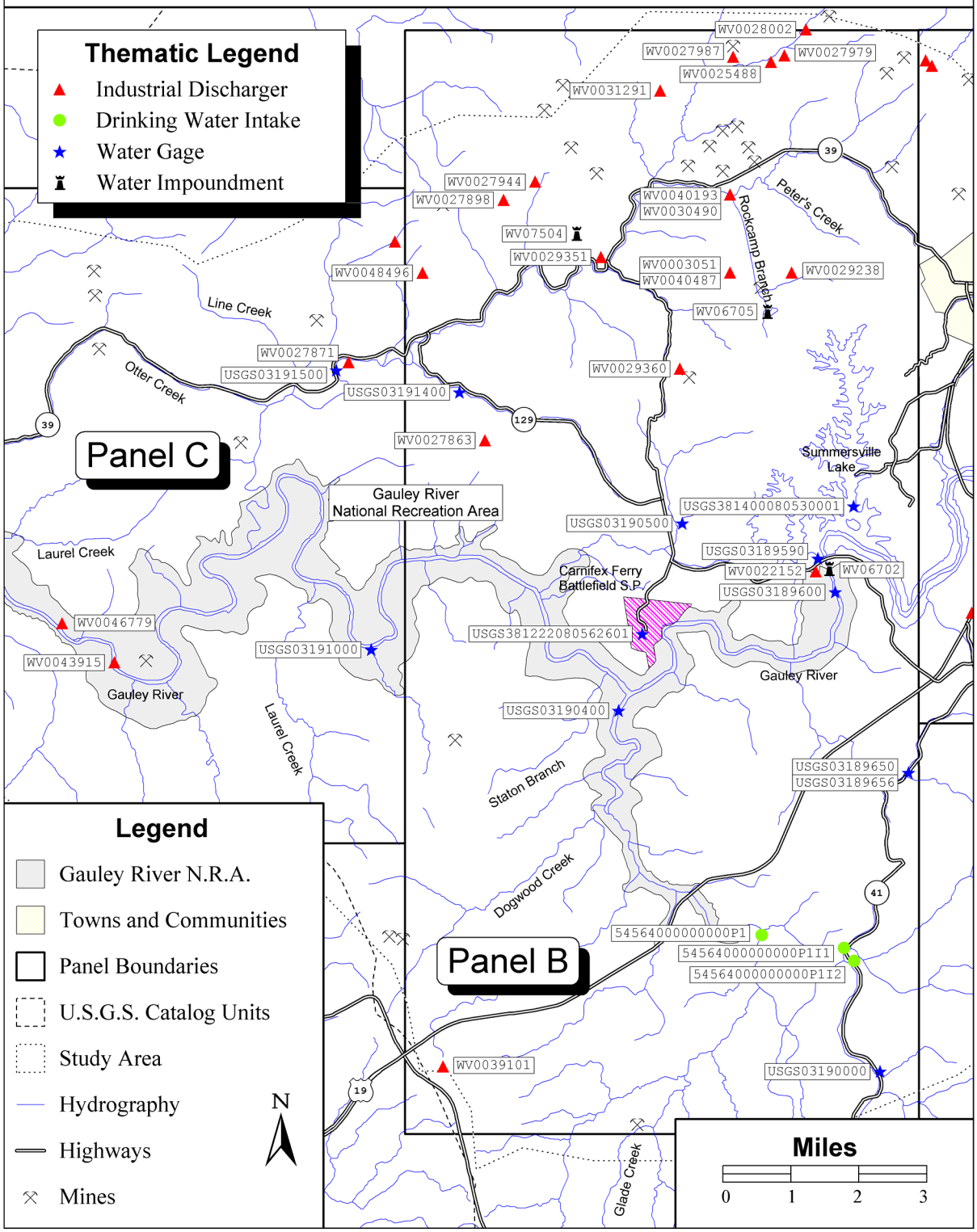
Gauley River National Recreation Area

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



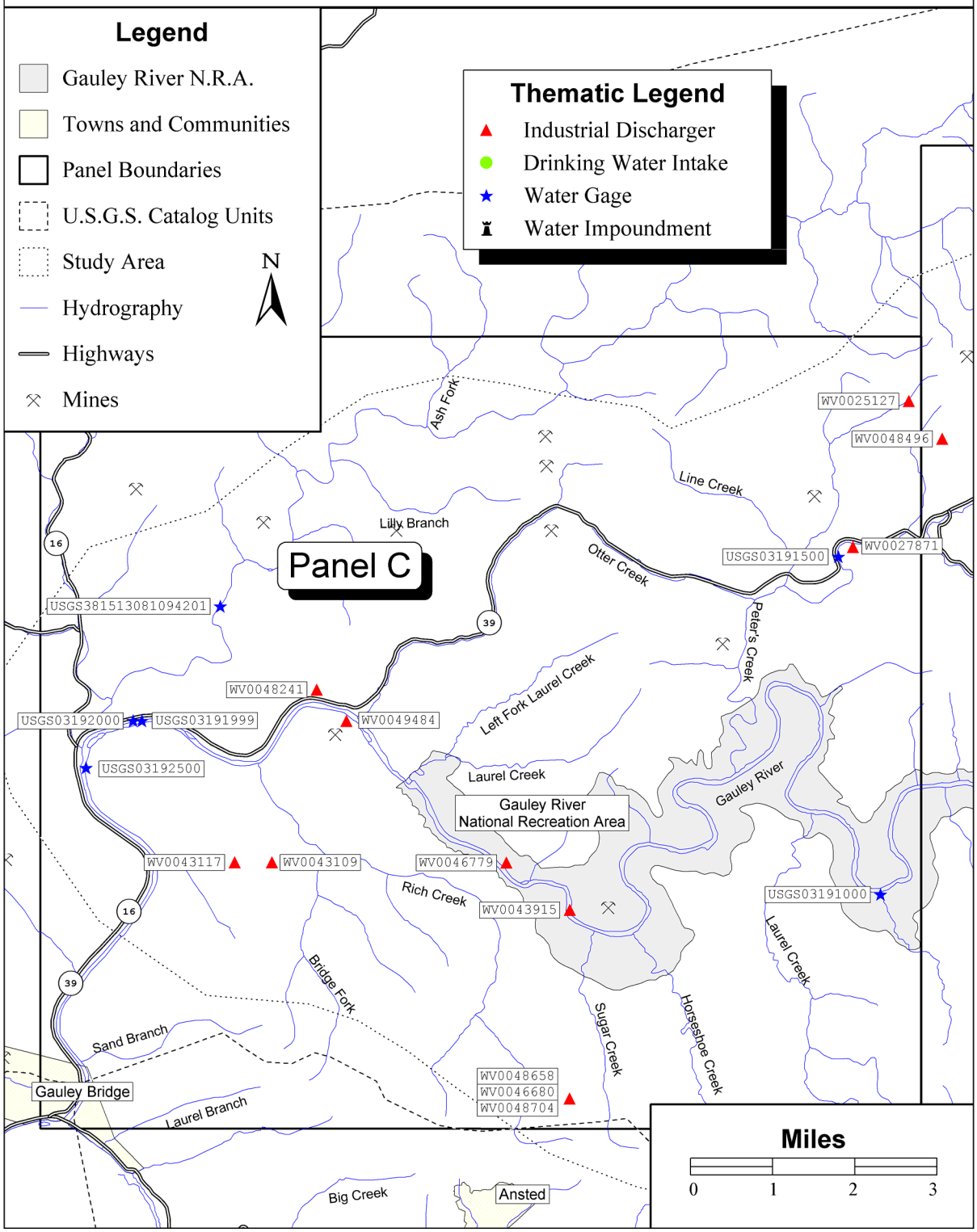
Gauley River National Recreation Area

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Gauley River National Recreation Area

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
WV0003051	PEERLESS EAGLE COAL COMPANY	PO BOX 488	SUMMERSVILLE	CAMP FORK
WV0003271	TOWN OF SUMMERSVILLE, WTP	P.O. BOX 525	SUMMERSVILLE	KG 26
WV0020630	SUMMERSVILLE, TOWN OF	400 NORTH BROAD STREET	SUMMERSVILLE	KN 21
WV0022152	U.S. CORPS OF ENG SUMMERSVILLE	PO BOX L	SUMMERSVILLE	SUMMERSVILLE LAKE
WV0022209	U.S. CORPS OF ENG SUMMERSVIL	.....	SUMMERSVILLE	SUMMERSVILLE LK
WV0024601	CAPPELLARI INC.	.....	SUMMERSVILLE	PETERS C
WV0025127	BETHLEHEM MINES CORP.NICHOLAS,	.....	CHARLESTON	JERRY F PETERS C
WV0025488	C C CONLEY/SONS INC/BUCK GARDE	.....	WALTON	BUCKS GARDEN C
WV0027863	MCCLUNG CONSTRUCTION CO	.....	.....	LAUREL C
WV0027871	TERRY EAGLE COAL CO TRIPPLE NO	.....	LOCKWOOD	PETERS C
WV0027898	WILLIAM EAGLE COAL CO INC MINE	.....	.....	JONES B
WV0027944	RONDA EAGLE COAL CORP MINE #1	.....	.....	JONES B
WV0027979	ROBERT EAGLE COAL CO MINE NO.	.....	.....	RIGHT F BUCKS GARDEN C
WV0027987	CHRISTOPHER COAL SALES MINE NO	.....	.....	RIGHT F BUCKS GARDEN C
WV0028002	BALD EAGLE COAL CO MINE #1	.....	.....	RIGHT F BUCKS GARDEN C
WV0028908	PHILLIPS RUN COAL CO.	.....	MUDDLETY	PHILLIPS RN
WV0028932	CALIFORNIA FUEL CO SURFACE MIN	.....	COTTLE	BARN RN
WV0029238	THOMAS BAILES CONSTRUCTION	.....	SUMMERSVILLE	MCKEES C
WV0029351	E & J COAL COMPANY, MINE NO.3	.....	ZELA	TR TO PETERS C
WV0029360	E & J COAL COMPANY, MINE # 3	.....	ZELA	WHITE WATER B
WV0029521	SAN SUE COAL COMPANY 381 70	.....	SUMMERSVILLE	FOCKLER B
WV0029548	SAN SUE COMPANY PERMIT #163 73	.....	SUMMERSVILLE	TYREE RN
WV0029653	BIG FORK COAL CO. MINE NO.8	.....	SUMMERSVILLE	MUDDLETY C
WV0030490	RIFSON COAL CO. MINE #5,FED ID	.....	SUMMERSVILLE	PETERS C
WV0031291	C.C.CONLEY & SONS, INC	.....	GILBOA	HUTCHISON B
WV0036421	CAPPELLARI INC	WEBSTER RD	SUMMERSVILLE	DUFFYS B
WV0039101	FAYETTE CO. BD. OF ED.	BOX 239	HICO	BRANCH HEDRICKS CREEK
WV0040193	STAR COAL CO MINE #2	RT 39	.....	L ROCKY C
WV0040215	ALABAMA FUEL CO MINE #1	.....	SUMMERSVILLE	PETERS C
WV0040487	E & J COAL CORP MINE #3	.....	ZELA	WHITE WATER B
WV0043109	IMPERIAL COLLIERY COMPANY	.....	JODIE	LICK B
WV0043117	IMPERIAL COLLIERY COMPANY	.....	JODIE	LICK B RICH C
WV0043915	LAND USE CORP LOCKWOOD	.....	LOCKWOOD	BUCKLICK B
WV0045063	SUMMERSVILLE STATION SUBDIVISI	WARD RD	CANVAS	DEER C
WV0046680	PERRY & HYLTON, INC. SMA 2498	.....	.....	LAUREL C & KATES C OF MEADOW
WV0046779	REBEL COAL CO HOLDEN MINE	.....	LOCKWOOD	DAVE WHITE HOLLOW TO TRACE F
WV0047341	NICHOLAS COUNTY HIGH SCH, NICH	.....	SUMMERSVILLE	MUDDLETY C
WV0048241	WYETT MINES, INC. PERMIT #179	.....	SWISS	L ELK C TO GAULEY R
WV0048496	DRENNEN TIPPLE CORP	.....	DRENNEN	PETER'S C
WV0048658	PERRY AND HYLTON, INC. SMA 257	.....	.....	LAUREL C
WV0048704	APPALACHIAN FUEL CORP	.....	.....	LAUREL C TO MEADOW R
WV0049484	WYETT MINES, INC. PERMIT #179	.....	SWISS	L ELK C TO GAULEY R
WV0081973	J. C. BAKER & SONS	DRAWER N	NICHOLAS COUNTY	KG 26 MUDDLETY
WV0082589	MCHARRIS INN OF AMERICA		MOUNT NEBO	
WV0088196	BOSO & BOSO, INC.	322 TURNPIKE ROAD	SUMMERSVILLE	KG 26
WV0100897	WV Mountain State Gospel Sing.	BOX 36	PETERSTOWN	KG 24
WV0101419	SUMMERSVILLE, TOWN OF	400 BROAD STREET	SUMMERSVILLE	KG 26
WV0102768	TOWN OF SUMMERSVILLE	P. O. DRAWER R	SUMMERSVILLE	KG 26

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

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
54000000002605P1	TREATMENT PLANT	SUMMERSVILLE	4500	
54000000002605P1I1	MUDDLETY CREEK	SUMMERSVILLE	4500	
54564000000000P1	TREATMENT PLANT	MOUNT NEBO	2200	
54564000000000P1I1	ANGLINS CREEK	MOUNT NEBO	2200	
54564000000000P1I2	MEADOW RIVER	MOUNT NEBO	2200	

Water Gages

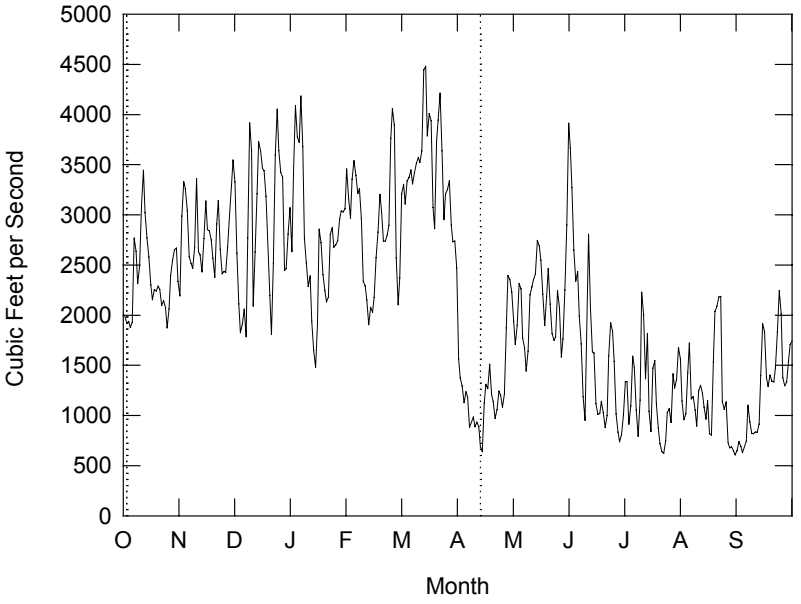
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS03189500	GAULEY RIVER NEAR SUMMERSVILLE, WV	Stream	8000.00	1909	1965
USGS03189590	SUMMERSVILLE LAKE NE	Stream	803.00		
USGS03189600	GAULEY RIVER BELOW SUMMERSVILLE, WV	Stream	0400.00	1966	1993
USGS03189650	COLLISON CREEK NEAR NALLEN, WV	Stream	278.00	1967	1977
USGS03190000	MEADOW RIVER AT NALLEN, WV	Stream	8700.00	1909	1972
USGS03190400	MEADOW RIVER NEAR MT. LOOKOUT, WV	Stream	6500.00	1966	1993
USGS03190500	MEADOW CREEK NEAR SU				
USGS03191000	GAULEY RIVER NEAR LE	Stream	4090.00		
USGS03191400	LAUREL CREEK NR SUMM	Stream	428.00		
USGS03191500	PETERS CREEK NEAR LOCKWOOD, WV	Stream	4090.00	1946	1982
USGS03192000	GAULEY RIVER ABOVE BELVA, WV	Stream	1500.00	1929	1994
USGS03189656	COLLISON CK: SYNTHESIZED BY MODEL OF LEAVESLEY	Stream	2.78	1981	1981
USGS03191999	SUMMATION OF MEADOW R PLUS SUMMERSVILLE	Stream	1169.00	1977	1979
USGS03192500	GAULEY RIVER AT BELVA, WV	Stream	1402.00	1908	1916
USGS381222080562601	M001 OBS WELL AT CARNIFEX FERRY STATE PARK WV	Well			
USGS381513081094201	T2	Well			
USGS381400080530001	SUMMERSVILLE LAKE WEATHER STA @ SUMMERSVILLE WV	Climate			

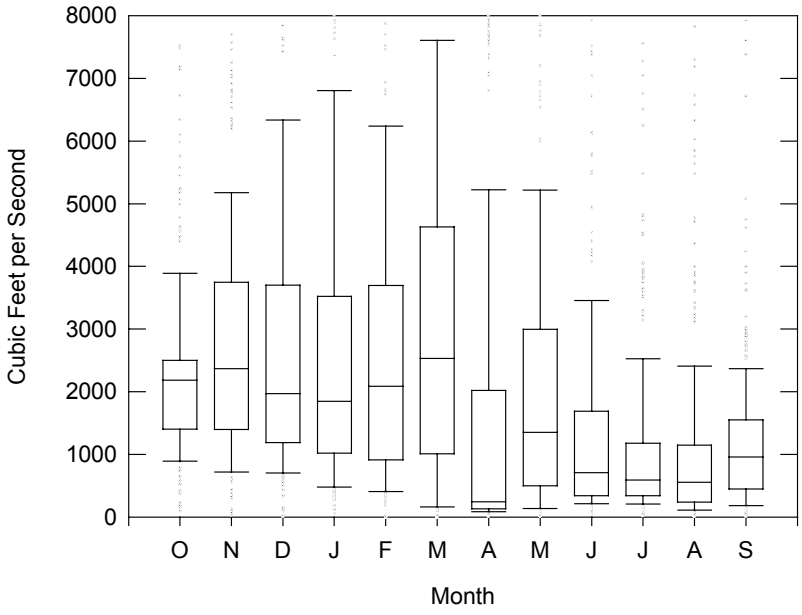
Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
WV06702	SUMMERSVILLE DAM	DAEN ORH	Flood	Rockfill	High	1965
WV06705	PEERLESS EAGLE	PEERLESS-EAGLE COAL CO	Supply	Earth	High	1973
WV07504	DILLYS MILL BOY SCOUT CAMP LAK	BUCKSKIN BOY SCOUT COUNC	Rec.	Earth	Significant	1958

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

GAULEY RIVER NATIONAL RECREATION AREA
Gauley River below Summersville, WV
03189600, 16 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 Gauley River National Recreation area are: Oct. 1 to Apr. 9, and Apr. 10 to Sep. 30.

CONTACTS FOR AGENCY CODES RETRIEVED FOR GARI

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
21WV7IWQ	FISHER, JANICE	W.VIRGINIA DEPT NAT RES	(304)755-3846	(304)558-2108
112WRD	YORKE, TOM	US GEOLOGICAL SURVEY	(703)648-5687	
12NSS	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(503)754-4427	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
11COEHUN	MARCHESE, VINCE	CORPS OF ENGINEERS	(304)529-5248	
11EPALES	LAMBOU, VICTOR W.	USEPA	(702)798-2259	

QUANTITY OF DATA RETRIEVED FOR GARI BY AGENCY CODE

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

Agency	Organization	Period of Record		Water Quality Stations		Longer Term[1] Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	Park Only	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park	S.A.	Park
21WV7IWQ	W.VIRGINIA DEPT NAT RES	07/10/46-06/22/95	No Data in Park	3	0	2	0	0	0	16693	0	123	0
112WRD	US GEOLOGICAL SURVEY	06/13/45-11/01/85	03/26/66-11/01/85	31	5	9	2	0	0	12471	2897	90	87
12NSS	EPA ENVIRONMENTAL RES LAB	04/18/86-05/05/86	No Data in Park	3	0	0	0	0	0	162	0	27	0
11NPSWRD	NATIONAL PARK SERVICE	05/07/91-06/19/95	05/07/91-06/19/95	5	3	5	3	0	0	2102	1369	12	12
11COEHUN	CORPS OF ENGINEERS	06/25/74-08/26/93	06/25/74-08/25/93	30	6	8	1	0	0	59102	4621	180	71
11EPALES	USEPA	04/03/73-06/10/74	04/03/73-09/28/73	8	1	0	0	0	0	1410	396	18	16
Totals		06/13/45-06/22/95	03/26/66-06/19/95	80	15	24	6	0	0	91940	9283	326	136

[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 06/13/45 To 06/22/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75
GARI0001	GAULEY R ABV SUMMERSVILLE DAM BLW PERSINGER CR	No	39	0	39	0
GARI0002	HOMINY CR BLW DEER CR NR CANVAS WV	No	26	0	26	0
GARI0003[1]	SUMMERSVILLE RESERVOIR	No	3401	200	3201	0
GARI0004[1]	SUMMERSVILLE RESERVOIR	No	3202	306	2896	0
GARI0005	SUMMERSVILLE RESERVOIR	No	191	0	0	191
GARI0006	GAULEY RIVER NEAR SUMMERSVILLE, WV	No	39	0	0	39
GARI0007	R55.0 GLADE CR NR SUMMERSVILLE WV	No	114	0	114	0
GARI0008[1]	SUMMERSVILLE RESERVOIR	No	1013	0	1013	0
GARI0009	MUDDLETY CREEK	No	97	0	0	97
GARI0010	MUDDELTY CK.	No	35	0	35	0
GARI0011	SUMMERSVILLE RESERVOIR	No	526	483	43	0
GARI0012	PETERS CREEK	No	977	977	0	0
GARI0013	MUDDLETY CK.	No	37	0	37	0
GARI0014	MUDDLETY CK OF SUMMERSVILLE LAKE	No	29	0	29	0
GARI0015	ARBUCKLE CK OF SUMMERSVILLE LAKE	No	37	0	37	0
GARI0016	GAULEY RIVER	No	2874	2182	692	0
GARI0017	ARBUCKLE BRANCH OF MUDDLETY CR.	No	38	0	38	0
GARI0018	ARBUCKLE BRANCH	No	97	0	0	97
GARI0019	HOMINY CREEK	No	91	0	0	91
GARI0020	ARBUCKLE BR.	No	38	0	38	0
GARI0021[1]	HOMINY CK.	No	1470	54	1416	0
GARI0022[1]	R14.0MUDDLETY CR HWY 41 BR SUMMERSVILLE WV	No	866	0	866	0
GARI0023	ARBUCKLE BR.	No	35	0	35	0
GARI0024	K7-A-CMT MUDDLETY CREEK TRIB AT SUMMERSVILLE WV	No	44	0	44	0
GARI0025	SUMMERSVILLE RESERVOIR	No	266	0	0	266
GARI0026	ARBUCKLE BR.	No	35	0	35	0
GARI0027[1]	SUMMERSVILLE LAKE OF GAULEY R.	No	6729	208	6521	0
GARI0028	FOCKLER BRANCH	No	54	54	0	0
GARI0029	SALMON RUN	No	37	0	37	0
GARI0030[1]	COLLISON CREEK NEAR NALLEN, WV	No	635	0	290	345
GARI0031	PINE RUN ABOVE MINING	No	25	0	25	0
GARI0032[1]	SUMMERSVILLE RESERVOIR	No	5158	0	5158	0
GARI0033[1]	Meadow River near Nallen, W. Va.	No	2545	0	2219	326
GARI0034	MEADOW RIVER AT NALLEN, WV	No	887	0	118	769
GARI0035	SUMMERSVILLE RESERVOIR	No	1770	0	1770	0
GARI0036	MCKEE CK.	No	26	0	26	0
GARI0037	PINE RUN BLW MINING	No	25	0	25	0
GARI0038	MCKEE CK.	No	23	0	23	0
GARI0039	Mckee Creek in Summersville Lake Reservoir	No	46	0	46	0
GARI0040	SUMMERSVILLE RESERVOIR	No	175	0	0	175
GARI0041[1]	R21.0ANGLINS CR HWY 41 BR NR POOL WV	No	255	0	255	0
GARI0042[1]	MEADOW RIVER	No	305	305	0	0
GARI0043[1]	GAULEY RIVER	Yes	4242	2011	2118	113
GARI0044[1]	GAULEY RIVER BELOW SUMMERSVILLE, WV	Yes	1515	22	1156	337
GARI0045[1]	SUMMERSVILLE DAM	Yes	498	498	0	0
GARI0046	SUMMERSVILLE LAKE NEAR SUMMERSVILLE, WV	No	142	0	142	0
GARI0047	GAULEY RIVER	No	97	0	0	97
GARI0048	GAULEY R BELOW SUMMERSVILLE DAM, WV	Yes	29	0	29	0
GARI0049	SUMMERSVILLE RESERVOIR	Yes	396	0	0	396
GARI0050[1]	SUMMERSVILLE LAKE ON GAULEY R.	No	26914	2456	24154	304
GARI0051	BATTLE RUN	No	11	0	11	0
GARI0052	SUMMERSVILLE LAKE	No	66	0	66	0
GARI0053	R64.0 PETERS CR NR GILBOA WV	No	118	0	118	0
GARI0054	GAULEY RIVER	Yes	24	0	24	0
GARI0055	TRIBUTARY TO GARDEN CR	No	25	0	25	0
GARI0056	GARDEN CK NR GILBO	No	25	0	25	0
GARI0057	R65.0 BUCK GARDEN CR @ GILBOA WV	No	112	0	112	0
GARI0058	MEADOW RIVER	Yes	40	0	40	0
GARI0059	GAULEY RIVER BELOW MEADOW RIVER	Yes	40	0	40	0
GARI0060[1]	MEADOW RIVER NEAR MT. LOOKOUT, WV	Yes	1208	0	921	287
GARI0061	R63.0 GAULEY R BLW MOUTH OF MEADOW R WV	Yes	115	0	115	0
GARI0062	MEADOW R NEAR MT LOOKOUT, WV	Yes	30	0	30	0
GARI0063	R66.0 PETERS CR NR DRENNEN WV	No	109	0	109	0
GARI0064	HEDRICKS CREEK	No	54	54	0	0
GARI0065	HEDRICKS CREEK	No	54	54	0	0
GARI0066	GAULEY RIVER	Yes	40	0	40	0
GARI0067	R22.0PETERS CR NR LOCKWOOD WV	No	507	0	507	0
GARI0068[1]	PETERS CREEK NEAR LOCKWOOD, WV	No	1788	0	865	923
GARI0069[1]	MID GAULEY	Yes	434	434	0	0
GARI0070	GAULEY RIVER	Yes	235	235	0	0
GARI0071[1]	PETERS CREEK	Yes	437	437	0	0

Station Period of Record Tabulation
From 06/13/45 To 06/22/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75
GARI0072[1]	SOUTH SIDE SWISS	No	428	428	0	0
GARI0073	R67.0 TWENTYMILE CR NR VAUGHAN WV	No	113	0	113	0
GARI0074[1]	Gauley River at Beech Glen, W. Va.	No	14102	3873	5769	4460
GARI0075	R23.0GAULEY R ABV BELVA WV	No	419	0	419	0
GARI0076[1]	GAULEY RIVER ABOVE BELVA, WV	No	1959	27	1330	602
GARI0077	R68.0 TWENTYMILE CR ABOVE BELVA WV	No	195	0	195	0
GARI0078[1]	R26.0TWENTYMILE CR HWY 16/3 BR BELVA WV	No	745	0	745	0
GARI0079	R69.0 GAULEY R BLW BELVA WV	No	107	0	107	0
GARI0080[1]	R25.0BELLS CR HWY 16 BR DIXIE WV	No	255	0	255	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 06/13/45 To 06/22/95

Parameter Code	Name	Total Obs	01/01/85 to 06/22/95	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.)	3	0	0	3	1	0
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	169	0	102	67	27	4
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12011	3767	7260	984	74	15
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	133	0	73	60	2	0
00012	EVAPORATION TEMPERATURE (48 INCHPAN) DEG CENT	1	0	0	1	1	0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	1811	913	427	471	34	6
00023	SAMPLE WEIGHT IN POUNDS	2	0	2	0	1	0
00024	SAMPLE LENGTH IN INCHES	2	0	2	0	1	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	898	9	309	580	23	3
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	960	9	371	580	30	5
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	1329	194	1123	12	10	1
00035	WIND VELOCITY (MILES PER HOUR)	43	43	0	0	1	0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	43	43	0	0	1	0
00060	FLOW, STREAM, MEAN DAILY CFS	112	0	68	44	2	0
00061	FLOW, STREAM, INSTANTANEOUS CFS	1412	192	572	648	33	6
00064	DEPTH OF STREAM, MEAN (FT)	6	6	0	0	3	0
00065	STAGE, STREAM (FEET)	56	30	0	26	7	2
00070	TURBIDITY, (JACKSON CANDLE UNITS)	208	0	0	208	2	0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	3389	271	3005	113	13	1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	341	0	332	9	14	2
00077	TRANSPARENCY, SECCHI DISC (INCHES)	127	19	97	11	13	1
00080	COLOR (PLATINUM-COBALT UNITS)	254	6	155	93	8	0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	29	0	2	27	1	0
00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	19	0	0	19	1	0
00087	ODOR (THRESHOLD NUMBER AT 40 DEG C)	172	0	151	21	2	0
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	4471	148	4323	0	23	1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	4115	384	3643	88	26	6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2899	705	1920	274	68	11
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	6261	815	5310	136	33	5
00300	OXYGEN, DISSOLVED MG/L	760	218	244	298	32	7
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	368	46	151	171	2	0
00310	BOD, 5 DAY, 20 DEG C MG/L	371	0	145	226	2	0
00340	COD, .25N K2CR2O7 MG/L	154	99	55	0	1	0
00400	PH (STANDARD UNITS)	6245	793	5096	356	64	11
00403	PH, LAB, STANDARD UNITS SU	677	360	258	59	36	6
00405	CARBON DIOXIDE (MG/L AS CO2)	68	0	68	0	14	3
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	6	6	0	0	3	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1196	180	684	332	44	7
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	49	49	0	0	5	3
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	2	0	2	0	1	0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	272	0	212	60	25	5
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	89	0	0	89	2	0
00440	BICARBONATE ION (MG/L AS HCO3)	87	6	57	24	14	3
00445	CARBONATE ION (MG/L AS CO3)	64	0	56	8	10	3
00500	RESIDUE, TOTAL (MG/L)	727	97	408	222	11	1
00505	RESIDUE, TOTAL VOLATILE (MG/L)	75	0	75	0	4	1
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	508	58	262	188	10	1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	871	172	505	194	10	1
00602	NITROGEN, DISSOLVED (MG/L AS N)	5	0	5	0	5	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11	0	0	11	2	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	61	0	61	0	19	3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	857	101	622	134	23	6
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	61	0	61	0	19	3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	55	0	0	55	4	0
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12	0	12	0	8	2
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	150	39	0	111	7	0
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	5	0	5	0	5	1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	981	222	620	139	22	5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	936	183	626	127	21	5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	77	0	77	0	23	5
00655	PHOSPHATE, POLY (MG/L AS PO4)	6	0	6	0	1	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30	0	30	0	9	2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	976	219	621	136	22	5
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	492	19	473	0	21	8
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	185	0	63	122	27	4
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	533	99	411	23	21	3
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	6	6	0	0	3	0
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	6	6	0	0	3	0
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	86	0	78	8	2	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1158	61	820	277	43	9
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	203	0	179	24	28	5

Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Parameter Code	Name	Total Obs	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00915	CALCIUM, DISSOLVED (MG/L AS CA)	547	19	490	38	41	6
00916	CALCIUM, TOTAL (MG/L AS CA)	527	55	467	5	11	4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	520	19	495	6	41	6
00927	MAGNESIUM, TOTAL (MG/L AS MG)	528	55	473	0	11	4
00929	SODIUM, TOTAL (MG/L AS NA)	613	55	529	29	13	4
00930	SODIUM, DISSOLVED (MG/L AS NA)	538	19	486	33	42	6
00931	SODIUM ADSORPTION RATIO	202	0	196	6	30	5
00932	SODIUM, PERCENT	19	0	13	6	10	2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	343	14	296	33	22	3
00937	POTASSIUM, TOTAL MG/L AS K)	586	38	519	29	13	4
00940	CHLORIDE,TOTAL IN WATER MG/L	1136	69	793	274	44	9
00941	CHLORIDE, DISSOLVED IN WATER MG/L	6	6	0	0	3	0
00945	SULFATE, TOTAL (MG/L AS SO4)	1120	191	813	116	44	9
00946	SULFATE, DISSOLVED (MG/L AS SO4)	6	6	0	0	3	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	29	6	16	7	14	2
00951	FLUORIDE, TOTAL (MG/L AS F)	186	0	143	43	2	0
00955	SILICA, DISSOLVED (MG/L AS SI02)	97	6	85	6	26	3
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	23	0	18	5	2	1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	4	0	4	0	4	4
01002	ARSENIC, TOTAL (UG/L AS AS)	99	8	78	13	6	4
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	25	0	25	0	20	3
01005	BARIUM, DISSOLVED (UG/L AS BA)	357	13	344	0	28	4
01007	BARIUM, TOTAL (UG/L AS BA)	379	55	324	0	10	1
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	367	13	354	0	27	4
01012	BERYLLIUM, TOTAL (UG/L AS BE)	338	55	283	0	8	1
01025	CADMIUM, DISSOLVED (UG/L AS CD)	254	0	236	18	31	7
01027	CADMIUM, TOTAL (UG/L AS CD)	382	13	341	28	11	4
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	25	0	25	0	20	3
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	25	0	25	0	20	3
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	192	0	192	0	9	4
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	183	0	138	45	2	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	318	14	299	5	11	4
01035	COBALT, DISSOLVED (UG/L AS CO)	71	0	71	0	20	3
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	25	0	25	0	20	3
01040	COPPER, DISSOLVED (UG/L AS CU)	199	0	199	0	29	7
01042	COPPER, TOTAL (UG/L AS CU)	252	13	225	14	11	4
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	25	0	25	0	20	3
01044	IRON, SUSPENDED (UG/L AS FE)	188	0	188	0	28	5
01045	IRON, TOTAL (UG/L AS FE)	1057	239	757	61	47	12
01046	IRON, DISSOLVED (UG/L AS FE)	701	13	683	5	41	9
01049	LEAD, DISSOLVED (UG/L AS PB)	229	7	199	23	30	7
01051	LEAD, TOTAL (UG/L AS PB)	359	20	303	36	11	4
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	25	0	25	0	20	3
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	25	0	25	0	20	3
01054	MANGANESE, SUSPENDED (UG/L AS MN)	198	0	198	0	28	5
01055	MANGANESE, TOTAL (UG/L AS MN)	991	191	740	60	43	9
01056	MANGANESE, DISSOLVED (UG/L AS MN)	747	68	679	0	48	12
01057	THALLIUM, DISSOLVED (UG/L AS TL)	216	0	216	0	6	1
01059	THALLIUM, TOTAL (UG/L AS TL)	213	0	213	0	6	1
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	71	0	71	0	20	3
01065	NICKEL, DISSOLVED (UG/L AS NI)	70	0	70	0	9	4
01067	NICKEL, TOTAL (UG/L AS NI)	170	14	147	9	11	4
01075	SILVER, DISSOLVED (UG/L AS AG)	17	0	0	17	1	0
01077	SILVER, TOTAL (UG/L AS AG)	92	0	74	18	4	1
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	72	0	72	0	21	3
01085	VANADIUM, DISSOLVED (UG/L AS V)	71	0	71	0	20	3
01090	ZINC, DISSOLVED (UG/L AS ZN)	495	13	481	1	32	7
01092	ZINC, TOTAL (UG/L AS ZN)	583	55	515	13	13	4
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	25	0	25	0	20	3
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	292	8	284	0	8	1
01097	ANTIMONY, TOTAL (UG/L AS SB)	375	39	336	0	10	1
01102	TIN, TOTAL (UG/L AS SN)	18	0	18	0	2	1
01105	ALUMINUM, TOTAL (UG/L AS AL)	621	184	415	22	34	7
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	422	62	360	0	34	10
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	18	0	18	0	18	3
01130	LITHIUM, DISSOLVED (UG/L AS LI)	71	0	71	0	20	3
01145	SELENIUM, DISSOLVED (UG/L AS SE)	4	0	4	0	4	4
01147	SELENIUM, TOTAL (UG/L AS SE)	69	8	55	6	6	4
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	25	0	25	0	20	3
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	25	0	25	0	20	3
01300	OIL-GREASE (SEVERITY)	314	122	154	38	2	0

Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Parameter Code	Name	Total Obs	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01305	DETERGENT SUDS (SEVERITY)	315	122	154	39	2	0
01310	GAS BUBBLES (SEVERITY)	315	122	154	39	2	0
01315	SLUDGE, FLOATING (SEVERITY)	314	122	154	38	2	0
01320	GARBAGE, FLOATING (SEVERITY)	315	122	154	39	2	0
01325	ALGAE, FLOATING MATS (SEVERITY)	314	122	154	38	2	0
01330	ODOR, ATMOSPHERIC (SEVERITY)	314	122	154	38	2	0
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)	314	122	154	38	2	0
01340	FISH, DEAD (SEVERITY)	315	122	154	39	2	0
01345	DEBRIS, FLOATING (SEVERITY)	314	122	154	38	2	0
01350	TURBIDITY (SEVERITY)	315	122	155	38	2	0
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	315	122	154	39	2	0
01501	ALPHA, TOTAL	37	0	37	0	2	0
01502	ALPHA, TOTAL, COUNTING ERROR	11	0	11	0	2	0
03501	BETA, TOTAL	37	0	37	0	2	0
03502	BETA, TOTAL, COUNTING ERROR	36	0	36	0	2	0
03639	DIPHENYL HYDRAZINE, 1,2-,LIQ FRAC,ELUTRIATE UG/L	1	1	0	0	1	0
03640	ACENAPHTHENE,1,2-DIHYDRO-,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03641	ACENAPHTHYLENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03642	ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03643	BENZIDINE, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03644	BENZO(A)ANTHRACENE,LIQUID FRACTION,ELUTRIATE UG/L	2	2	0	0	2	0
03645	BENZO(B)FLUORANTHENE,LIQUID FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03646	BENZ(K)FLUORANTHENE,LIQUID FRACTION,ELUTRIATE UG/L	2	2	0	0	2	0
03647	BENZO(GHI)PERYLENE,LIQUID FRACTION,ELUTRIATE UG/L	2	2	0	0	2	0
03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03649	BIS(2-CHLOROETHOXY)METHANE,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03650	BIS(2-CHLOROETHYL)ETHER,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03651	BIS(2-CHLOROISOPROPYL)ETHER,LIQ FRAC,ELUTRIAT UG/L	2	2	0	0	2	0
03652	BIS(2-ETHYLHEXYL)PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03653	BROMOPHENYL,4-PHENYL ETHER,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03654	N-BUTYL BENZYL PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03655	CHLORONAPTHALENE,2-,LIQUID FRACTION,ELUTRIATE UG/L	2	2	0	0	2	0
03656	CHLOROPHENYL,4- PHENYL ETHER,LIQ FRAC,ELUTRIA UG/L	2	2	0	0	2	0
03657	CHRYSENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03658	DIBENZO(A,H)ANTHRACENE,LIQUID FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03659	DI-N-BUTYL PHTHALATE,LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03660	DICHLOROBENZENE,1,2-,LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03661	DICHLOROBENZENE,1,3-,LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03662	DICHLOROBENZENE,1,4-,LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03663	DICHLOROBENZIDENE,3,3-,LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03664	DIETHYL PHTHALATE, LIQ FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03665	DIMETHYL PHTHALATE, LIQUID FRACTION,ELUTRIATE UG/L	2	2	0	0	2	0
03666	DINITROTOLUENE, 2, 4, LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03667	DINITROTOLUENE, 2, 6-, LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03668	DI-N-OCTYL PHTHALATE,LIQUID FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03669	FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03670	FLUORENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03671	HEXACHLOROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03672	HEXACHLOROBUTADIENE, LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03673	HEXACHLOROCYCLOPENTADIENE,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03674	HEXACHLOROETHANE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03675	INDENO(1,2,3-CD) PYRENE,LIQUID FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03676	ISOPHORONE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03677	NAPHTHALENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03678	NITROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03679	N-NITROSODIMETHYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03680	N-NITROSODIPHENYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03681	N-NITROSO-DI-N-PROPYLAMINE,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
03682	PHENANTHRENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03683	PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03684	TRICHLOROBENZENE,1,2,4-, LIQ FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03686	ALUMINUM (AL), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03687	ANTIMONY (SB), LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03689	BARIUM (BA), LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03690	BERYLLIUM (BE), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03695	IRON (FE), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0

Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Parameter Code	Name	Total Obs	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
03697	MANGANESE (MN), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03698	MERCURY (HG), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03701	SILVER (AG), LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03704	ZINC (ZN), LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03707	SODIUM (NA), LIQUID FRACTION, ELUTRIATE MG/L	2	2	0	0	2	0
03708	CALCIUM (CA), LIQUID FRACTION, ELUTRIATE MG/L	2	2	0	0	2	0
03709	MAGNESIUM (MG), LIQUID FRACTION, ELUTRIATE MG/L	2	2	0	0	2	0
03710	POTASSIUM (K), LIQUID FRACTION, ELUTRIATE MG/L	2	2	0	0	2	0
03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03732	PCB-1254, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03734	ALDRIN, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03735	ALPHA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03736	BETA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03737	GAMMA-BHC (LINDANE),LIQ FRACTION,ELUTRIATE UG/L	1	1	0	0	1	0
03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03742	DIELDRIN, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03744	ENDRIN, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03746	ALPHA-ENDOSULFAN, LIQUID FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03748	ENDOSULFAN SULFATE,LIQ FRACTION,ELUTRIATE UG/L	1	1	0	0	1	0
03749	HEPTACHLOR, LIQUID, FRACTION, ELUTRIATE UG/L	1	1	0	0	1	0
03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	2	2	0	0	2	0
03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	2	2	0	0	2	0
03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	2	2	0	0	2	0
03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	2	2	0	0	2	0
03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	2	2	0	0	2	0
03763	TRICHLOROPHENOL,2,4,6-,LIQ FRAC,ELUTRIATE UG/L	2	2	0	0	2	0
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	309	0	249	60	20	0
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	1	0	1	0	1	0
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	797	375	248	174	25	3
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	42	0	42	0	7	2
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	42	0	42	0	7	2
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	149	0	98	51	19	0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	272	65	207	0	9	1
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	184	53	131	0	9	1
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	158	65	93	0	9	1
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	12	0	0	12	4	1
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	188	53	135	0	9	1
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	182	53	129	0	9	1
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	33	0	33	0	2	0
34670	PCB - 1260 WET WGTTISMG/KG	3	0	3	0	2	0
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	2	0	2	0	1	0
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	4	0	4	0	2	0
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	4	0	4	0	2	0
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	4	0	4	0	2	0
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	2	0	2	0	1	0
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	4	0	4	0	2	0
39312	P P DDD IN TISSUE WET WGT (UG/G)	1	0	1	0	1	0
39317	P,P' DDT IN FISH OR ANIMAL BY WET WEIGHT UG/KG	1	0	1	0	1	0
39318	O,P' DDT IN FISH OR ANIMAL BY WET WEIGHT UG/KG	1	0	1	0	1	0
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	3	0	3	0	2	0
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	4	0	4	0	2	0
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	2	0	2	0	1	0

Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Parameter Code	Name	Total Obs	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	4	0	4	0	2	0
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	347	0	339	8	32	5
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	74	0	69	5	20	3
70302	SOLIDS, DISSOLVED-TONS PER DAY	172	0	172	0	28	5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	194	0	187	7	30	5
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	138	0	138	0	2	0
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	205	121	84	0	2	0
71825	ACIDITY, TOTAL (MG/L AS H)	177	0	173	4	23	5
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	61	0	61	0	19	3
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	26	6	12	8	13	2
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	15	0	15	0	9	2
71885	IRON (UG/L AS FE)	6	6	0	0	3	0
71890	MERCURY, DISSOLVED (UG/L AS HG)	167	0	167	0	6	4
71900	MERCURY, TOTAL (UG/L AS HG)	299	0	267	32	9	4
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	25	0	25	0	20	3
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	4	0	4	0	2	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	4	0	4	0	2	0
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	4	0	4	0	2	0
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	4	0	4	0	2	0
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	4	0	4	0	2	0
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	6	6	0	0	3	0
72025	DEPTH OF POND OR RESERVOIR IN FEET	12	0	0	12	4	1
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	137	0	137	0	20	3
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	103	0	103	0	19	3
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	6	6	0	0	3	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	4	0	4	0	2	0
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	4	0	4	0	2	0
81760	O,P'-DDE IN FISH TISSUE WET WEIGHT MG/KG	2	0	2	0	1	0
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	10	0	10	0	10	2
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	5	0	5	0	1	0
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	400	241	155	4	10	3
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	468	0	468	0	8	0
82537	TURBIDITY,FORWARD SCATTER JTU	2175	221	1954	0	9	0
83509	STREAM, WIDTH METER	6	6	0	0	3	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	14	0	14	0	14	3
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	14	0	14	0	14	3
84007	ANATOMY ALPHA CODE	4	0	4	0	2	0
84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	4	0	4	0	2	0
84030	CLOUD AMOUNT ALPHA WEATHER CODES	43	43	0	0	1	0
84031	PHYSICAL WEATHER ALPHA WEATHER CODES	28	28	0	0	1	0
84032	STREAM CONDITION ALPHA WEATHER CODES	43	43	0	0	1	0
85000	STREAM CONDITION ALPHA WEATHER CODES	178	0	0	178	2	0

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/80-10/17/80	0	1	
GARI0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/81-07/28/81	0	1	
GARI0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	17	347	
GARI0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	10	436	
GARI0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/73-09/28/73	0	20	
GARI0006	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/60-05/03/61	0	2	
GARI0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/15/83	1	3	
GARI0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/01/83	4	127	
GARI0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	4	
GARI0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	10	37	
GARI0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/85-10/09/85	0	977	
GARI0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	4	
GARI0014	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	3	
GARI0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	4	
GARI0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/11/84-09/19/88	4	1742	
GARI0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	4	
GARI0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	4	
GARI0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	14	163	
GARI0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/79-09/19/83	4	23	
GARI0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	4	
GARI0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/84-07/30/84	0	2	
GARI0025	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/73-09/28/73	0	26	
GARI0026	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	4	
GARI0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	17	698	
GARI0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/86-05/05/86	0	2	
GARI0029	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	4	
GARI0030	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	14	85	
GARI0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/82-08/16/82	0	1	
GARI0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/83	8	819	
GARI0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-10/23/84	38	37	
GARI0034	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/45-03/14/83	37	130	
GARI0035	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/81	6	265	
GARI0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/79-09/10/79	0	3	
GARI0037	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/82-08/17/82	0	1	
GARI0038	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	0	3	
GARI0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/73-09/28/73	0	18	
GARI0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/79-09/20/83	4	8	
GARI0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/93-06/19/95	2	36	
GARI0043	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/74-08/25/93	19	1411	
GARI0044	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	19	141	
GARI0045	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	4	62	
GARI0048	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/24/80-03/24/80	0	1	
GARI0049	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/73-09/28/73	0	41	
GARI0050	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	19	2912	
GARI0051	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/79-07/20/79	0	1	
GARI0052	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/16/81	2	13	
GARI0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/15/83	1	3	
GARI0054	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/79-10/04/79	0	6	
GARI0055	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/82-08/16/82	0	1	
GARI0056	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/82-08/16/82	0	1	
GARI0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/15/83	1	3	
GARI0058	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/01/79-10/01/79	0	1	
GARI0060	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/67-08/10/83	16	96	
GARI0061	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/80-03/26/80	0	1	
GARI0063	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/15/83	1	3	
GARI0064	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/86-05/05/86	0	2	
GARI0065	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/86-05/05/86	0	2	
GARI0066	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/02/79-10/02/79	0	1	
GARI0067	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-08/27/80	1	16	
GARI0068	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	38	211	
GARI0069	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	4	60	
GARI0070	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/85-09/10/85	0	235	
GARI0071	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	4	61	
GARI0072	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	4	60	
GARI0073	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/81-03/14/83	1	3	
GARI0074	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	48	360	
GARI0075	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/78-08/27/80	1	21	
GARI0076	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	40	193	
GARI0077	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/81-03/14/83	1	5	
GARI0078	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-09/19/83	4	21	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0079	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/81-03/14/83	1	3	
GARI0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-09/19/83	4	8	
GARI0033	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/15/74-07/17/80	6	23	
GARI0074	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	12	110	
GARI0074	No	00012	EVAPORATION TEMPERATURE (48 INCHPAN) DEG CENT	07/15/74-07/15/74	0	1	
GARI0003	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/17/76-08/26/93	17	21	
GARI0004	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/16/83	3	19	
GARI0008	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-09/01/83	4	12	
GARI0010	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0011	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-10/03/79	0	2	
GARI0013	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0015	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0017	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0020	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0021	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/79-08/26/93	14	14	
GARI0023	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0024	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/16/84-07/30/84	0	2	
GARI0026	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0027	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/17/76-08/26/93	17	32	
GARI0029	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0030	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	10	77	
GARI0032	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/05/81-09/01/83	2	24	
GARI0034	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/45-11/18/71	26	109	
GARI0035	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/31/75-09/01/81	6	16	
GARI0036	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0042	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/93-06/19/95	2	36	
GARI0043	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/25/74-10/10/85	11	620	
GARI0044	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/07/66-11/01/85	18	95	
GARI0045	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	4	60	
GARI0050	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	19	127	
GARI0052	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	0	1	
GARI0060	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/18/66-08/10/83	16	73	
GARI0067	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/21/79-05/23/80	0	6	
GARI0068	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	34	135	
GARI0069	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	4	60	
GARI0071	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	4	61	
GARI0072	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	4	59	
GARI0075	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/25/78-08/19/80	1	11	
GARI0076	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/13/45-08/14/85	40	130	
GARI0039	No	00023	SAMPLE WEIGHT IN POUNDS	10/17/80-10/17/80	0	2	
GARI0039	No	00024	SAMPLE LENGTH IN INCHES	10/17/80-10/17/80	0	2	
GARI0003	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/83	2	155	
GARI0004	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/89	8	214	
GARI0008	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/83	2	88	
GARI0011	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	06/21/89-08/16/89	0	49	
GARI0021	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/83	2	124	
GARI0027	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/26/93	12	187	
GARI0032	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/05/81-08/16/83	2	165	
GARI0035	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/05/81-06/02/81	0	32	
GARI0043	Yes	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/01/75-07/01/75	0	2	
GARI0050	No	00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	15	313	
GARI0074	No	00035	WIND VELOCITY (MILES PER HOUR)	07/25/91-06/22/95	3	43	
GARI0033	No	00060	FLOW, STREAM, MEAN DAILY CFS	01/15/74-10/17/79	5	20	
GARI0074	No	00060	FLOW, STREAM, MEAN DAILY CFS	02/05/69-08/02/79	10	92	
GARI0001	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/80-10/17/80	0	1	
GARI0002	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/28/81-07/28/81	0	1	
GARI0007	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/15/83	1	3	
GARI0022	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/11/79-09/19/83	4	23	
GARI0024	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/16/84-07/30/84	0	2	
GARI0030	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	15	84	
GARI0031	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/16/82-08/16/82	0	1	
GARI0033	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/02/84	37	20	
GARI0034	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/45-03/14/83	37	135	
GARI0037	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/17/82-08/17/82	0	1	
GARI0041	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/25/79-09/20/83	4	8	
GARI0042	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/93-06/05/95	2	31	
GARI0044	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	19	149	
GARI0045	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/91-06/19/95	4	61	
GARI0048	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/24/80-03/24/80	0	1	
GARI0053	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/15/83	1	3	
GARI0055	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/16/82-08/16/82	0	1	
GARI0056	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/16/82-08/16/82	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0057	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/15/83	1	3	
GARI0060	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/18/66-08/10/83	16	95	
GARI0061	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/16/83	1	2	
GARI0062	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/80-03/26/80	0	1	
GARI0063	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/15/83	1	3	
GARI0067	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/27/80	1	89	
GARI0068	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	38	218	
GARI0073	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/23/81-03/14/83	1	3	
GARI0074	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	48	225	
GARI0075	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/25/78-08/27/80	1	22	
GARI0076	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	40	190	
GARI0077	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/23/81-03/14/83	1	5	
GARI0078	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-09/19/83	4	20	
GARI0079	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/23/81-03/14/83	1	3	
GARI0080	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-09/19/83	4	7	
GARI0028	No	00064	DEPTH OF STREAM, MEAN (FT)	04/18/86-05/05/86	0	2	
GARI0064	No	00064	DEPTH OF STREAM, MEAN (FT)	04/18/86-05/05/86	0	2	
GARI0065	No	00064	DEPTH OF STREAM, MEAN (FT)	04/18/86-05/05/86	0	2	
GARI0030	No	00065	STAGE, STREAM (FEET)	03/04/71-08/12/71	0	3	
GARI0034	No	00065	STAGE, STREAM (FEET)	03/03/71-08/11/71	0	5	
GARI0044	Yes	00065	STAGE, STREAM (FEET)	01/21/71-06/17/71	0	7	
GARI0060	Yes	00065	STAGE, STREAM (FEET)	03/04/71-05/28/71	0	3	
GARI0068	No	00065	STAGE, STREAM (FEET)	01/21/71-09/17/71	0	5	
GARI0074	No	00065	STAGE, STREAM (FEET)	01/27/92-04/05/95	3	30	
GARI0076	No	00065	STAGE, STREAM (FEET)	03/05/71-05/21/71	0	3	
GARI0033	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/10/46-07/23/74	28	11	S
GARI0074	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	23	197	T,S
GARI0003	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-09/01/83	2	200	
GARI0004	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-07/19/89	8	271	
GARI0005	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	04/03/73-09/28/73	0	20	
GARI0008	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-09/01/83	2	101	
GARI0011	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/21/89-07/19/89	0	16	
GARI0021	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/14/79-09/01/83	4	116	
GARI0025	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	04/03/73-09/28/73	0	26	
GARI0027	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-09/01/83	2	398	
GARI0032	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/02/81-09/01/83	2	571	
GARI0035	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/02/81-09/01/81	0	195	
GARI0040	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	04/03/73-09/28/73	0	18	
GARI0049	Yes	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	04/03/73-09/28/73	0	41	
GARI0050	No	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	15	1416	
GARI0003	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/17/76-07/07/83	7	7	
GARI0008	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/07/83-07/07/83	0	1	
GARI0022	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	0	1	
GARI0027	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/17/76-09/28/76	0	9	
GARI0032	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/75-07/31/75	0	30	
GARI0035	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/75-07/31/75	0	31	
GARI0041	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	0	1	
GARI0043	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/15/74-09/13/78	4	11	
GARI0050	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/74-09/13/79	5	245	
GARI0060	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/21/80-08/21/80	0	1	
GARI0067	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	0	1	
GARI0068	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	0	1	
GARI0078	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	0	1	
GARI0080	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	0	1	
GARI0003	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	12	15	
GARI0004	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/16/89	8	16	
GARI0005	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/03/73-09/28/73	0	3	
GARI0008	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/16/83	2	9	
GARI0011	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/21/89-08/16/89	0	4	
GARI0021	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	12	14	
GARI0025	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/03/73-09/28/73	0	3	
GARI0027	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	12	15	
GARI0032	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/05/81-09/01/83	2	13	
GARI0035	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/02/81-09/01/81	0	3	
GARI0040	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/03/73-09/28/73	0	3	
GARI0049	Yes	00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/18/73-09/28/73	0	2	
GARI0050	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/28/76-08/25/93	16	27	
GARI0006	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/30/60-08/30/60	0	1	
GARI0028	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/18/86-05/05/86	0	2	
GARI0033	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/14/50-10/23/84	34	43	S
GARI0034	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/30/60-10/27/66	6	3	
GARI0064	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/18/86-05/05/86	0	2	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0065	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/18/86-05/05/86	0	2	
GARI0074	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	38	199	T,A,S
GARI0076	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/03/61-10/27/66	5	2	
GARI0074	No	00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	07/17/67-02/18/75	7	29	
GARI0074	No	00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	01/18/71-10/09/73	2	19	
GARI0033	No	00087	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/23/84	38	42	S
GARI0074	No	00087	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	38	130	T,A,S
GARI0003	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	7	309	
GARI0004	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	10	402	
GARI0008	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-09/01/83	4	118	
GARI0010	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	0	3	
GARI0011	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	10	35	
GARI0013	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	0	2	
GARI0014	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	0	2	
GARI0015	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	0	2	
GARI0017	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	0	3	
GARI0020	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	0	3	
GARI0021	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/14/79-09/01/83	4	142	
GARI0023	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	0	3	
GARI0026	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	0	3	
GARI0027	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	7	643	
GARI0029	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	0	2	
GARI0032	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/28/80-09/01/83	3	755	
GARI0035	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/05/81-09/01/81	0	195	
GARI0036	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/20/79-07/20/79	0	1	
GARI0038	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	0	2	
GARI0043	Yes	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/76-09/29/80	4	10	
GARI0050	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	13	1834	
GARI0051	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/20/79-07/20/79	0	1	
GARI0052	No	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-06/15/79	0	1	
GARI0001	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/80-10/17/80	0	1	
GARI0003	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	3	258	
GARI0004	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-08/16/83	3	329	
GARI0005	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/73-09/28/73	0	16	
GARI0008	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	3	123	
GARI0021	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	3	129	
GARI0022	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/20/80-10/20/80	0	1	
GARI0025	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/73-09/28/73	0	20	
GARI0027	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	3	493	
GARI0032	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	3	799	
GARI0033	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/22/75-10/23/84	9	37	
GARI0035	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/05/81-09/01/81	0	245	
GARI0040	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/73-09/28/73	0	15	
GARI0042	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/93-06/19/95	2	36	
GARI0043	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-08/31/83	3	21	
GARI0045	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	3	59	
GARI0049	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/73-09/28/73	0	33	
GARI0050	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	3	1092	
GARI0060	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/30/80-10/30/80	0	1	
GARI0068	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/01/81-05/01/81	0	1	
GARI0069	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	3	59	
GARI0071	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	3	59	
GARI0072	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/91-06/19/95	3	58	
GARI0074	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	20	228	T,A
GARI0076	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/16/80-10/16/80	0	1	
GARI0078	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/16/80-10/16/80	0	1	
GARI0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/80-10/17/80	0	1	
GARI0002	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/81-07/28/81	0	1	
GARI0003	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	17	89	
GARI0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-08/16/89	10	105	
GARI0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/73-09/28/73	0	20	
GARI0006	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/60-05/03/61	0	2	
GARI0007	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/15/83	1	3	
GARI0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	4	
GARI0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	4	
GARI0011	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-08/16/89	10	37	
GARI0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	4	
GARI0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	3	
GARI0015	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	4	
GARI0016	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/17/88-09/19/88	0	255	
GARI0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	4	
GARI0020	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	06/15/79-09/10/79	0	4	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0021	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/79-08/26/93	14	34	
GARI0022	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/11/79-09/19/83	4	23	
GARI0023	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	4	
GARI0024	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/84-07/30/84	0	2	
GARI0025	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/73-09/28/73	0	26	
GARI0026	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	4	
GARI0027	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	17	203	
GARI0028	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/86-05/05/86	0	2	
GARI0029	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	4	
GARI0030	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/69-08/24/81	11	36	
GARI0031	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/82-08/16/82	0	1	
GARI0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/75-07/31/75	0	1	
GARI0033	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/74-10/23/84	10	42	
GARI0034	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/60-03/14/83	22	23	S
GARI0035	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/75-07/31/75	0	1	
GARI0036	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/79-09/10/79	0	3	
GARI0037	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/82-08/17/82	0	1	
GARI0038	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	3	
GARI0040	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/73-09/28/73	0	18	
GARI0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/79-09/20/83	4	8	
GARI0043	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/74-08/25/93	19	54	
GARI0044	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/69-11/01/85	16	87	
GARI0046	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/01/81-08/01/81	0	1	
GARI0048	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/24/80-03/24/80	0	1	
GARI0049	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/73-09/28/73	0	41	
GARI0050	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	18	1144	T,A
GARI0051	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/79-07/20/79	0	1	
GARI0052	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	0	3	
GARI0053	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/15/83	1	3	
GARI0054	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/79-10/04/79	0	6	
GARI0055	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/82-08/16/82	0	1	
GARI0056	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/82-08/16/82	0	1	
GARI0057	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/15/83	1	3	
GARI0058	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/79-10/01/79	0	1	
GARI0060	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/69-08/10/83	13	59	
GARI0061	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/80-03/26/80	0	1	
GARI0063	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/15/83	1	3	
GARI0064	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/86-05/05/86	0	2	
GARI0065	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/86-05/05/86	0	2	
GARI0066	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/02/79-10/02/79	0	1	
GARI0067	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-08/27/80	1	87	
GARI0068	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-09/19/83	16	54	
GARI0073	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/81-03/14/83	1	3	
GARI0074	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	27	214	T,A,S
GARI0075	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/18/79-08/27/80	1	20	
GARI0076	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	18	86	
GARI0077	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/81-03/14/83	1	5	
GARI0078	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-09/19/83	4	21	
GARI0079	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/81-03/14/83	1	3	
GARI0080	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-09/19/83	4	8	
GARI0003	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	17	332	
GARI0004	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	10	426	
GARI0008	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/01/83	4	127	
GARI0010	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	4	
GARI0011	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	10	37	
GARI0013	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	4	
GARI0014	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	3	
GARI0015	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	4	
GARI0016	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/17/88-09/19/88	0	255	
GARI0017	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	4	
GARI0020	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	4	
GARI0021	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	14	163	
GARI0023	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	4	
GARI0026	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	4	
GARI0027	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	17	691	
GARI0028	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/86-05/05/86	0	2	
GARI0029	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	4	
GARI0032	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/83	8	819	
GARI0033	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/14/76-10/23/84	8	22	
GARI0035	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/81	6	265	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0036	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/79-09/10/79	0	3	
GARI0038	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	3	
GARI0043	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/75-08/25/93	18	70	
GARI0050	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	19	2806	T,A
GARI0051	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/79-07/20/79	0	1	
GARI0052	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	0	3	
GARI0054	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/04/79-10/04/79	0	6	
GARI0058	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/01/79-10/01/79	0	1	
GARI0059	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/01/79-10/01/79	0	1	
GARI0064	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/86-05/05/86	0	2	
GARI0065	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/86-05/05/86	0	2	
GARI0066	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/02/79-10/02/79	0	1	
GARI0074	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	19	188	T,A
GARI0001	No	00300	OXYGEN, DISSOLVED MG/L	10/17/80-10/17/80	0	1	
GARI0005	No	00300	OXYGEN, DISSOLVED MG/L	04/03/73-09/28/73	0	10	
GARI0007	No	00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/15/83	1	2	
GARI0022	No	00300	OXYGEN, DISSOLVED MG/L	10/07/80-03/15/83	2	15	
GARI0025	No	00300	OXYGEN, DISSOLVED MG/L	04/03/73-09/28/73	0	15	
GARI0030	No	00300	OXYGEN, DISSOLVED MG/L	06/26/73-03/14/83	9	21	
GARI0033	No	00300	OXYGEN, DISSOLVED MG/L	07/10/46-07/17/80	34	30	S
GARI0034	No	00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/14/83	1	2	
GARI0040	No	00300	OXYGEN, DISSOLVED MG/L	04/03/73-09/28/73	0	9	
GARI0041	No	00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/14/83	1	2	
GARI0042	No	00300	OXYGEN, DISSOLVED MG/L	05/07/93-06/19/95	2	27	
GARI0044	Yes	00300	OXYGEN, DISSOLVED MG/L	12/01/75-07/14/83	7	25	
GARI0045	Yes	00300	OXYGEN, DISSOLVED MG/L	07/31/91-06/19/95	3	48	
GARI0049	Yes	00300	OXYGEN, DISSOLVED MG/L	04/03/73-09/28/73	0	24	
GARI0053	No	00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/15/83	1	2	
GARI0057	No	00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/15/83	1	2	
GARI0060	Yes	00300	OXYGEN, DISSOLVED MG/L	04/26/73-03/16/83	9	30	
GARI0061	Yes	00300	OXYGEN, DISSOLVED MG/L	08/24/81-08/24/81	0	1	
GARI0063	No	00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/15/83	1	2	
GARI0067	No	00300	OXYGEN, DISSOLVED MG/L	08/27/80-08/27/80	0	1	
GARI0068	No	00300	OXYGEN, DISSOLVED MG/L	08/27/80-03/14/83	2	19	
GARI0069	Yes	00300	OXYGEN, DISSOLVED MG/L	05/23/91-06/19/95	4	48	
GARI0071	Yes	00300	OXYGEN, DISSOLVED MG/L	05/23/91-06/19/95	4	48	
GARI0072	No	00300	OXYGEN, DISSOLVED MG/L	05/23/91-06/19/95	4	47	
GARI0073	No	00300	OXYGEN, DISSOLVED MG/L	08/25/81-03/14/83	1	2	
GARI0074	No	00300	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	33	268	T,A,S
GARI0075	No	00300	OXYGEN, DISSOLVED MG/L	01/18/79-08/27/80	1	5	
GARI0076	No	00300	OXYGEN, DISSOLVED MG/L	05/23/73-03/14/83	9	33	
GARI0077	No	00300	OXYGEN, DISSOLVED MG/L	08/25/81-03/14/83	1	4	
GARI0078	No	00300	OXYGEN, DISSOLVED MG/L	10/16/80-03/14/83	2	14	
GARI0079	No	00300	OXYGEN, DISSOLVED MG/L	03/14/83-03/14/83	0	1	
GARI0080	No	00300	OXYGEN, DISSOLVED MG/L	08/25/81-03/14/83	1	2	
GARI0033	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-10/23/84	38	44	S
GARI0074	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	46	324	T,A,S
GARI0033	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/23/84	38	50	S
GARI0074	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	38	321	T,A,S
GARI0074	No	00340	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	16	154	A
GARI0001	No	00400	PH (STANDARD UNITS)	10/17/80-10/17/80	0	1	
GARI0002	No	00400	PH (STANDARD UNITS)	07/28/81-07/28/81	0	1	
GARI0003	No	00400	PH (STANDARD UNITS)	06/17/76-08/26/93	17	315	
GARI0004	No	00400	PH (STANDARD UNITS)	06/15/79-08/16/89	10	386	
GARI0005	No	00400	PH (STANDARD UNITS)	04/03/73-09/28/73	0	12	
GARI0006	No	00400	PH (STANDARD UNITS)	08/30/60-05/03/61	0	2	
GARI0007	No	00400	PH (STANDARD UNITS)	07/20/81-03/15/83	1	3	
GARI0008	No	00400	PH (STANDARD UNITS)	06/15/79-09/01/83	4	112	
GARI0010	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	4	
GARI0011	No	00400	PH (STANDARD UNITS)	06/15/79-08/16/89	10	37	
GARI0013	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	4	
GARI0014	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	3	
GARI0015	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	4	
GARI0016	No	00400	PH (STANDARD UNITS)	09/17/88-09/19/88	0	255	
GARI0017	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	4	
GARI0020	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	4	
GARI0021	No	00400	PH (STANDARD UNITS)	06/14/79-08/26/93	14	158	
GARI0022	No	00400	PH (STANDARD UNITS)	05/11/79-09/19/83	4	23	
GARI0023	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	4	
GARI0024	No	00400	PH (STANDARD UNITS)	05/16/84-07/30/84	0	2	
GARI0025	No	00400	PH (STANDARD UNITS)	04/03/73-09/28/73	0	18	
GARI0026	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	4	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0027	No	00400	PH (STANDARD UNITS)	06/17/76-08/26/93	17	625	
GARI0029	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	4	
GARI0030	No	00400	PH (STANDARD UNITS)	10/09/69-08/24/81	11	36	
GARI0031	No	00400	PH (STANDARD UNITS)	08/16/82-08/16/82	0	1	
GARI0032	No	00400	PH (STANDARD UNITS)	07/31/75-09/01/83	8	665	
GARI0033	No	00400	PH (STANDARD UNITS)	07/10/46-10/23/84	38	48	S
GARI0034	No	00400	PH (STANDARD UNITS)	08/30/60-03/14/83	22	22	S
GARI0035	No	00400	PH (STANDARD UNITS)	07/31/75-09/01/81	6	246	
GARI0036	No	00400	PH (STANDARD UNITS)	07/20/79-09/10/79	0	3	
GARI0037	No	00400	PH (STANDARD UNITS)	08/17/82-08/17/82	0	1	
GARI0038	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	3	
GARI0040	No	00400	PH (STANDARD UNITS)	04/03/73-09/28/73	0	11	
GARI0041	No	00400	PH (STANDARD UNITS)	05/25/79-09/20/83	4	8	
GARI0043	Yes	00400	PH (STANDARD UNITS)	06/25/74-08/25/93	19	72	
GARI0044	Yes	00400	PH (STANDARD UNITS)	12/10/69-11/01/85	15	77	
GARI0048	Yes	00400	PH (STANDARD UNITS)	03/24/80-03/24/80	0	1	
GARI0049	Yes	00400	PH (STANDARD UNITS)	04/03/73-09/28/73	0	26	
GARI0050	No	00400	PH (STANDARD UNITS)	04/25/75-08/25/93	18	2355	T,A
GARI0051	No	00400	PH (STANDARD UNITS)	07/20/79-07/20/79	0	1	
GARI0052	No	00400	PH (STANDARD UNITS)	06/15/79-09/10/79	0	3	
GARI0053	No	00400	PH (STANDARD UNITS)	07/20/81-03/15/83	1	3	
GARI0054	Yes	00400	PH (STANDARD UNITS)	10/04/79-10/04/79	0	6	
GARI0055	No	00400	PH (STANDARD UNITS)	08/16/82-08/16/82	0	1	
GARI0056	No	00400	PH (STANDARD UNITS)	08/16/82-08/16/82	0	1	
GARI0057	No	00400	PH (STANDARD UNITS)	07/20/81-03/15/83	1	3	
GARI0058	Yes	00400	PH (STANDARD UNITS)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00400	PH (STANDARD UNITS)	10/01/79-10/01/79	0	1	
GARI0060	Yes	00400	PH (STANDARD UNITS)	10/09/69-07/13/83	13	57	
GARI0061	Yes	00400	PH (STANDARD UNITS)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00400	PH (STANDARD UNITS)	03/26/80-03/26/80	0	1	
GARI0063	No	00400	PH (STANDARD UNITS)	07/20/81-03/15/83	1	3	
GARI0066	Yes	00400	PH (STANDARD UNITS)	10/02/79-10/02/79	0	1	
GARI0067	No	00400	PH (STANDARD UNITS)	05/24/79-08/27/80	1	13	
GARI0068	No	00400	PH (STANDARD UNITS)	10/27/66-09/19/83	16	51	
GARI0073	No	00400	PH (STANDARD UNITS)	07/23/81-03/14/83	1	3	
GARI0074	No	00400	PH (STANDARD UNITS)	07/10/46-06/22/95	48	402	T,A,S
GARI0075	No	00400	PH (STANDARD UNITS)	02/28/79-08/27/80	1	17	
GARI0076	No	00400	PH (STANDARD UNITS)	05/03/61-01/09/85	23	77	S
GARI0077	No	00400	PH (STANDARD UNITS)	07/23/81-03/14/83	1	5	
GARI0078	No	00400	PH (STANDARD UNITS)	05/24/79-09/19/83	4	21	
GARI0079	No	00400	PH (STANDARD UNITS)	07/23/81-03/14/83	1	3	
GARI0080	No	00400	PH (STANDARD UNITS)	05/24/79-09/19/83	4	8	
GARI0001	No	00403	PH, LAB, STANDARD UNITS SU	10/17/80-10/17/80	0	1	
GARI0002	No	00403	PH, LAB, STANDARD UNITS SU	07/28/81-07/28/81	0	1	
GARI0007	No	00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/15/83	1	3	
GARI0022	No	00403	PH, LAB, STANDARD UNITS SU	10/07/80-03/15/83	2	10	
GARI0024	No	00403	PH, LAB, STANDARD UNITS SU	05/16/84-07/30/84	0	2	
GARI0028	No	00403	PH, LAB, STANDARD UNITS SU	04/18/86-05/05/86	0	2	
GARI0030	No	00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/14/83	1	2	
GARI0031	No	00403	PH, LAB, STANDARD UNITS SU	08/16/82-08/16/82	0	1	
GARI0033	No	00403	PH, LAB, STANDARD UNITS SU	01/15/74-10/23/84	10	43	
GARI0034	No	00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/14/83	1	3	
GARI0037	No	00403	PH, LAB, STANDARD UNITS SU	08/17/82-08/17/82	0	1	
GARI0041	No	00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/14/83	1	3	
GARI0042	No	00403	PH, LAB, STANDARD UNITS SU	05/07/93-06/19/95	2	36	
GARI0044	Yes	00403	PH, LAB, STANDARD UNITS SU	11/12/80-03/16/83	2	8	
GARI0045	Yes	00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	4	61	
GARI0046	No	00403	PH, LAB, STANDARD UNITS SU	03/02/81-08/01/81	0	6	
GARI0053	No	00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/15/83	1	3	
GARI0055	No	00403	PH, LAB, STANDARD UNITS SU	08/16/82-08/16/82	0	1	
GARI0056	No	00403	PH, LAB, STANDARD UNITS SU	08/16/82-08/16/82	0	1	
GARI0057	No	00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/15/83	1	3	
GARI0060	Yes	00403	PH, LAB, STANDARD UNITS SU	10/30/80-03/16/83	2	9	
GARI0061	Yes	00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/16/83	1	3	
GARI0063	No	00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/15/83	1	3	
GARI0064	No	00403	PH, LAB, STANDARD UNITS SU	04/18/86-05/05/86	0	2	
GARI0065	No	00403	PH, LAB, STANDARD UNITS SU	04/18/86-05/05/86	0	2	
GARI0068	No	00403	PH, LAB, STANDARD UNITS SU	06/24/82-03/14/83	0	3	
GARI0069	Yes	00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	4	61	
GARI0071	Yes	00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	4	61	
GARI0072	No	00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	4	60	
GARI0073	No	00403	PH, LAB, STANDARD UNITS SU	07/23/81-03/14/83	1	3	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0074	No	00403	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	27	249	T,A,S
GARI0076	No	00403	PH, LAB, STANDARD UNITS SU	10/16/80-03/14/83	2	10	
GARI0077	No	00403	PH, LAB, STANDARD UNITS SU	07/23/81-03/14/83	1	5	
GARI0078	No	00403	PH, LAB, STANDARD UNITS SU	10/16/80-03/14/83	2	9	
GARI0079	No	00403	PH, LAB, STANDARD UNITS SU	07/23/81-03/14/83	1	3	
GARI0080	No	00403	PH, LAB, STANDARD UNITS SU	07/23/81-03/14/83	1	3	
GARI0001	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/17/80-10/17/80	0	1	
GARI0022	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-06/29/82	2	14	
GARI0030	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/24/81-08/24/81	0	1	
GARI0034	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/24/81-08/24/81	0	1	
GARI0041	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-09/10/79	0	1	
GARI0044	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/30/80-06/15/82	1	14	
GARI0060	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	10/30/80-12/03/81	1	8	
GARI0061	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/24/81-08/24/81	0	1	
GARI0067	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-09/10/79	0	1	
GARI0068	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/23/81-12/10/81	0	2	
GARI0075	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/05/79-09/17/79	0	3	
GARI0076	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/05/79-12/10/81	2	11	
GARI0078	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-01/19/82	2	9	
GARI0080	No	00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-09/10/79	0	1	
GARI0028	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/18/86-05/05/86	0	2	
GARI0064	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/18/86-05/05/86	0	2	
GARI0065	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/18/86-05/05/86	0	2	
GARI0001	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/80-10/17/80	0	1	
GARI0002	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/81-07/28/81	0	1	
GARI0003	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/81-08/26/93	12	22	
GARI0004	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/11/83-07/06/83	0	8	
GARI0005	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/73-09/28/73	0	12	
GARI0006	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/30/60-05/03/61	0	2	
GARI0007	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	1	3	
GARI0008	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/02/81-09/02/81	0	2	
GARI0011	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/89-08/16/89	0	9	
GARI0021	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/81-09/02/81	0	7	
GARI0022	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/11/79-03/15/83	3	21	
GARI0024	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/16/84-07/30/84	0	2	
GARI0025	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/73-09/28/73	0	18	
GARI0027	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/81-08/26/93	12	55	
GARI0030	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/26/71-03/14/83	12	6	
GARI0031	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0033	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-10/23/84	38	52	S
GARI0034	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/30/60-03/14/83	22	9	
GARI0037	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/17/82-08/17/82	0	1	
GARI0040	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/73-09/28/73	0	11	
GARI0041	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/79-03/14/83	3	7	
GARI0043	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/74-08/25/93	19	50	
GARI0044	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/71-03/16/83	12	24	
GARI0048	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/24/80-03/24/80	0	1	
GARI0049	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/73-09/28/73	0	26	
GARI0050	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	18	233	T
GARI0053	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	1	3	
GARI0055	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0056	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0057	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	1	3	
GARI0060	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/26/71-03/16/83	12	20	
GARI0061	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/80-03/26/80	0	1	
GARI0063	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	1	3	
GARI0067	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	1	5	
GARI0068	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/27/66-03/14/83	16	23	
GARI0073	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	1	3	
GARI0074	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	48	463	T,A,S
GARI0075	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	1	14	
GARI0076	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/61-03/14/83	21	35	
GARI0077	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	1	5	
GARI0078	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-03/14/83	3	20	
GARI0079	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	1	2	
GARI0080	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-03/14/83	3	7	
GARI0042	No	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	06/14/93-04/13/95	1	9	
GARI0045	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/26/92-04/13/95	2	10	
GARI0069	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/26/92-04/13/95	2	10	
GARI0071	Yes	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/26/92-04/13/95	2	10	
GARI0072	No	00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/26/92-04/13/95	2	10	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0022	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/07/80-10/20/80	0	2	
GARI0001	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/80-10/17/80	0	1	
GARI0007	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	0	1	
GARI0022	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/11/79-08/16/82	3	17	
GARI0030	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/14/83-03/16/83	0	2	
GARI0033	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	01/15/74-07/26/79	5	21	
GARI0034	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	0	1	
GARI0041	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/79-08/19/80	1	4	
GARI0044	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/24/80-03/16/83	2	14	
GARI0048	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/24/80-03/24/80	0	1	
GARI0053	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	0	1	
GARI0057	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	0	1	
GARI0060	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/26/80-08/24/82	2	14	
GARI0061	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-03/16/83	1	2	
GARI0062	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/26/80-03/26/80	0	1	
GARI0063	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	0	1	
GARI0067	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	1	5	
GARI0068	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/21/80-08/18/82	2	11	
GARI0073	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/81-08/25/81	0	1	
GARI0074	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	12	112	
GARI0075	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	1	14	
GARI0076	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/18/82	3	25	
GARI0077	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/81-08/25/81	0	1	
GARI0078	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/18/82	3	15	
GARI0079	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/81-08/25/81	0	1	
GARI0080	No	00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/25/81	2	5	
GARI0033	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-06/22/54	7	9	
GARI0074	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	8	80	
GARI0001	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/17/80-10/17/80	0	1	
GARI0006	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/30/60-05/03/61	0	2	
GARI0022	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/20/80-06/29/82	1	13	
GARI0028	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/18/86-05/05/86	0	2	
GARI0030	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/26/71-08/12/71	0	3	
GARI0034	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/30/60-08/24/81	20	7	
GARI0044	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	01/21/71-06/15/82	11	18	
GARI0060	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	01/26/71-12/03/81	10	10	
GARI0061	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/81-08/24/81	0	1	
GARI0064	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/18/86-05/05/86	0	2	
GARI0065	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/18/86-05/05/86	0	2	
GARI0068	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/27/66-12/10/81	15	5	
GARI0076	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/03/61-06/24/82	21	13	
GARI0078	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/16/80-01/19/82	1	8	
GARI0001	No	00445	CARBONATE ION (MG/L AS CO3)	10/17/80-10/17/80	0	1	
GARI0006	No	00445	CARBONATE ION (MG/L AS CO3)	08/30/60-05/03/61	0	2	
GARI0022	No	00445	CARBONATE ION (MG/L AS CO3)	10/20/80-06/29/82	1	13	
GARI0034	No	00445	CARBONATE ION (MG/L AS CO3)	08/30/60-08/24/81	20	4	
GARI0044	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/30/80-06/15/82	1	14	
GARI0060	Yes	00445	CARBONATE ION (MG/L AS CO3)	10/30/80-12/03/81	1	8	
GARI0061	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/24/81-08/24/81	0	1	
GARI0068	No	00445	CARBONATE ION (MG/L AS CO3)	10/27/66-12/10/81	15	3	
GARI0076	No	00445	CARBONATE ION (MG/L AS CO3)	05/03/61-12/10/81	20	10	
GARI0078	No	00445	CARBONATE ION (MG/L AS CO3)	10/16/80-01/19/82	1	8	
GARI0003	No	00500	RESIDUE, TOTAL (MG/L)	06/17/76-08/26/93	17	27	
GARI0004	No	00500	RESIDUE, TOTAL (MG/L)	05/11/83-07/06/83	0	8	
GARI0008	No	00500	RESIDUE, TOTAL (MG/L)	09/02/81-09/02/81	0	2	
GARI0011	No	00500	RESIDUE, TOTAL (MG/L)	06/22/89-08/16/89	0	9	
GARI0016	No	00500	RESIDUE, TOTAL (MG/L)	09/17/88-09/19/88	0	39	
GARI0021	No	00500	RESIDUE, TOTAL (MG/L)	06/03/81-09/02/81	0	7	
GARI0027	No	00500	RESIDUE, TOTAL (MG/L)	06/17/76-08/26/93	17	63	
GARI0033	No	00500	RESIDUE, TOTAL (MG/L)	07/14/50-07/27/78	28	24	S
GARI0043	Yes	00500	RESIDUE, TOTAL (MG/L)	06/25/74-08/25/93	19	55	
GARI0050	No	00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	18	241	T
GARI0074	No	00500	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	28	252	T,A,S
GARI0003	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/17/76-09/28/76	0	6	
GARI0027	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/17/76-09/28/76	0	9	
GARI0043	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/24/75-09/13/78	3	9	
GARI0050	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/25/75-06/30/77	2	51	
GARI0003	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/06/81-08/26/93	12	22	
GARI0004	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/11/83-07/06/83	0	8	
GARI0008	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/02/81-09/02/81	0	2	
GARI0011	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/22/89-08/16/89	0	9	
GARI0021	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/03/81-09/02/81	0	7	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0027	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/06/81-08/26/93	12	54	
GARI0033	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/22/53-07/23/74	21	8	
GARI0043	Yes	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/81-08/25/93	12	40	
GARI0050	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/81-08/25/93	12	178	
GARI0074	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	23	180	T,S
GARI0003	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/17/76-08/26/93	17	27	
GARI0004	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/83-07/06/83	0	8	
GARI0008	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/02/81-09/02/81	0	2	
GARI0011	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/22/89-08/16/89	0	6	
GARI0021	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/81-09/02/81	0	7	
GARI0027	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/17/76-08/26/93	17	63	
GARI0033	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/14/50-10/23/84	34	48	S
GARI0043	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/74-08/25/93	19	54	
GARI0050	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	18	234	T
GARI0074	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	43	422	T,A,S
GARI0060	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	0	1	
GARI0067	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/10/80-07/10/80	0	1	
GARI0068	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/10/80-07/10/80	0	1	
GARI0075	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	0	1	
GARI0076	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	0	1	
GARI0033	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/15/74-07/23/74	0	4	
GARI0074	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/19/73-11/20/74	1	7	
GARI0007	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0022	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/08/80-08/16/82	1	8	
GARI0030	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0034	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0041	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0044	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/12/80-08/17/82	1	8	
GARI0046	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/01/81-08/01/81	0	3	
GARI0053	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0057	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0060	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/05/80-08/24/82	1	8	
GARI0061	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0063	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0068	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/05/80-08/18/82	1	8	
GARI0073	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0076	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/24/81-08/18/82	1	7	
GARI0077	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/25/81-04/20/82	0	2	
GARI0078	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/24/81-08/18/82	1	6	
GARI0079	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0080	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0003	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/76-08/26/93	17	28	
GARI0004	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/83-07/06/83	0	8	
GARI0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/03/73-09/28/73	0	12	
GARI0008	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/02/81-09/02/81	0	2	
GARI0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0011	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/89-08/16/89	0	9	
GARI0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/17/88-09/19/88	0	39	
GARI0018	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0019	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	13	
GARI0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/81-09/02/81	0	7	
GARI0025	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/03/73-09/28/73	0	18	
GARI0027	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/76-08/26/93	17	64	
GARI0033	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/15/74-10/23/84	10	43	
GARI0040	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/03/73-09/28/73	0	11	
GARI0043	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-08/25/93	18	48	
GARI0047	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0049	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/03/73-09/28/73	0	26	
GARI0050	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	18	357	T,A
GARI0058	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/79-10/01/79	0	1	
GARI0060	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/81-07/20/81	0	1	
GARI0066	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/02/79-10/02/79	0	1	
GARI0074	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	21	126	T,A
GARI0007	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0022	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/08/80-08/16/82	1	8	
GARI0030	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0034	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0041	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0044	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/12/80-08/17/82	1	8	
GARI0046	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	06/01/81-08/01/81	0	3	
GARI0053	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0057	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0060	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/05/80-08/24/82	1	8	
GARI0061	Yes	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0063	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0068	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/05/80-08/18/82	1	8	
GARI0073	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0076	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/24/81-08/18/82	1	7	
GARI0077	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-04/20/82	0	2	
GARI0078	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/24/81-08/18/82	1	6	
GARI0079	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0080	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0009	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0018	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0019	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	13	
GARI0047	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0034	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0044	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/05/82-01/05/82	0	1	
GARI0046	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	06/01/81-07/01/81	0	2	
GARI0053	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0060	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/05/80-12/05/80	0	1	
GARI0068	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/01/81-08/18/82	1	4	
GARI0078	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/18/82-08/18/82	0	1	
GARI0080	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0009	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0016	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/17/88-09/19/88	0	39	
GARI0018	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0019	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	13	
GARI0033	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/15/74-07/23/74	0	4	
GARI0047	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0074	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/17/67-09/17/74	7	52	
GARI0060	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	0	1	
GARI0067	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/10/80-07/10/80	0	1	
GARI0068	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/10/80-07/10/80	0	1	
GARI0075	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	0	1	
GARI0076	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	0	1	
GARI0003	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/76-08/26/93	17	28	
GARI0004	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/83-07/06/83	0	8	
GARI0005	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/73-09/28/73	0	12	
GARI0008	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/02/81-09/02/81	0	2	
GARI0009	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/89-08/16/89	0	9	
GARI0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/17/88-09/19/88	0	39	
GARI0018	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0019	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/73-06/10/74	0	13	
GARI0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/03/81-09/02/81	0	7	
GARI0025	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/73-09/28/73	0	18	
GARI0027	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/76-08/26/93	17	64	
GARI0033	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/15/74-10/23/84	10	43	
GARI0040	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/73-09/28/73	0	11	
GARI0043	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/74-08/25/93	19	53	
GARI0047	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0049	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/73-09/28/73	0	26	
GARI0050	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	18	358	T,A
GARI0058	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/79-10/01/79	0	1	
GARI0066	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/79-10/02/79	0	1	
GARI0074	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	21	245	T,A
GARI0003	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/17/76-08/26/93	17	28	
GARI0004	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/11/83-07/06/83	0	8	
GARI0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/03/73-09/28/73	0	12	
GARI0008	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/02/81-09/02/81	0	2	
GARI0009	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0011	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/22/89-08/16/89	0	9	
GARI0018	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/73-06/10/74	0	14	
GARI0019	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/73-06/10/74	0	13	
GARI0021	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/03/81-09/02/81	0	7	
GARI0025	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/03/73-09/28/73	0	18	
GARI0027	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/17/76-08/26/93	17	64	
GARI0033	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/22/75-10/23/84	9	39	
GARI0040	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/03/73-09/28/73	0	11	
GARI0043	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/74-08/25/93	19	52	
GARI0047	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/73-06/10/74	0	14	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0049	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/03/73-09/28/73	0	26	
GARI0050	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	18	361	T,A
GARI0058	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/01/79-10/01/79	0	1	
GARI0066	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/79-10/02/79	0	1	
GARI0074	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	20	241	T,A
GARI0007	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0022	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/08/80-08/16/82	1	8	
GARI0030	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0034	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0041	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0044	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/24/80-08/17/82	2	9	
GARI0046	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/02/81-08/01/81	0	6	
GARI0048	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/24/80-03/24/80	0	1	
GARI0053	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0057	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0060	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/26/80-08/24/82	2	10	
GARI0061	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0062	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/26/80-03/26/80	0	1	
GARI0063	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	0	1	
GARI0067	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/80-07/10/80	0	2	
GARI0068	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/80-08/18/82	2	10	
GARI0073	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0075	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/80-07/11/80	0	2	
GARI0076	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/80-08/18/82	2	9	
GARI0077	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/25/81-04/20/82	0	2	
GARI0078	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/24/81-08/18/82	1	6	
GARI0079	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0080	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/25/81-08/25/81	0	1	
GARI0074	No	00655	PHOSPHATE, POLY (MG/L AS PO4)	01/04/79-06/26/79	0	6	
GARI0022	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/08/80-12/03/81	0	2	
GARI0033	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/22/75-10/01/75	0	3	
GARI0044	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/12/80-12/04/81	1	2	
GARI0046	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/01/81-08/01/81	0	5	
GARI0053	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/24/81-08/24/81	0	1	
GARI0060	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/05/80-12/03/81	0	2	
GARI0068	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/05/80-02/24/81	0	2	
GARI0074	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/20/75-12/04/75	0	12	
GARI0076	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/24/81-02/24/81	0	1	
GARI0003	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/76-08/26/93	17	28	
GARI0004	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/11/83-07/06/83	0	8	
GARI0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/73-09/28/73	0	12	
GARI0008	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/02/81-09/02/81	0	2	
GARI0009	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/73-06/10/74	0	13	
GARI0011	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/89-08/16/89	0	9	
GARI0016	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/17/88-09/19/88	0	39	
GARI0018	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/73-06/10/74	0	13	
GARI0019	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/73-06/10/74	0	13	
GARI0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/03/81-09/02/81	0	7	
GARI0025	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/73-09/28/73	0	18	
GARI0027	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/76-08/26/93	17	64	
GARI0033	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/15/74-10/23/84	10	42	
GARI0040	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/73-09/28/73	0	11	
GARI0043	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/74-08/25/93	19	53	
GARI0047	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/73-06/10/74	0	13	
GARI0049	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/73-09/28/73	0	26	
GARI0050	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	18	357	T,A
GARI0058	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/01/79-10/01/79	0	1	
GARI0066	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/02/79-10/02/79	0	1	
GARI0074	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	21	245	T,A
GARI0003	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/17/76-08/26/93	17	28	
GARI0004	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/11/83-07/06/83	0	8	
GARI0008	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/02/81-09/02/81	0	2	
GARI0021	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/03/81-09/02/81	0	7	
GARI0027	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/17/76-08/26/93	17	63	
GARI0028	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/86-05/05/86	0	2	
GARI0043	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/24/75-08/25/93	18	37	
GARI0044	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/24/80-03/24/80	0	1	
GARI0048	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/24/80-03/24/80	0	1	
GARI0050	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	18	325	T
GARI0058	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/01/79-10/01/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0059	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/01/79-10/01/79	0	1	
GARI0060	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/26/80-07/11/80	0	2	
GARI0062	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/26/80-03/26/80	0	1	
GARI0064	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/86-05/05/86	0	2	
GARI0065	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/86-05/05/86	0	2	
GARI0066	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/02/79-10/02/79	0	1	
GARI0067	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/80-07/10/80	0	2	
GARI0068	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/80-07/10/80	0	2	
GARI0075	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/80-07/11/80	0	2	
GARI0076	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/80-07/11/80	0	2	
GARI0005	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/73-09/28/73	0	12	
GARI0007	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	0	1	
GARI0009	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/73-06/10/74	0	14	
GARI0018	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/73-06/10/74	0	14	
GARI0019	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/73-06/10/74	0	13	
GARI0022	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/08/80-08/16/82	1	8	
GARI0025	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/73-09/28/73	0	18	
GARI0030	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	0	1	
GARI0034	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	0	1	
GARI0040	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/73-09/28/73	0	11	
GARI0041	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	0	1	
GARI0044	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/12/80-08/17/82	1	8	
GARI0046	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/01/81-08/01/81	0	5	
GARI0047	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/73-06/10/74	0	14	
GARI0049	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/73-09/28/73	0	26	
GARI0053	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	0	1	
GARI0057	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	0	1	
GARI0060	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/05/80-08/24/82	1	8	
GARI0061	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	0	1	
GARI0063	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	0	1	
GARI0068	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/05/80-08/18/82	1	8	
GARI0073	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/81-08/25/81	0	1	
GARI0076	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/81-08/18/82	1	7	
GARI0077	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/81-04/20/82	0	2	
GARI0078	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/81-08/18/82	1	6	
GARI0079	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/81-08/25/81	0	1	
GARI0080	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/81-08/25/81	0	1	
GARI0003	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/06/81-08/26/93	12	22	
GARI0004	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/83-07/06/83	0	8	
GARI0008	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/02/81-09/02/81	0	2	
GARI0011	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/22/89-08/16/89	0	9	
GARI0016	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/17/88-09/19/88	0	39	
GARI0021	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/03/81-09/02/81	0	7	
GARI0022	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0027	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/06/81-08/26/93	12	54	
GARI0033	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/15/74-10/23/84	10	42	
GARI0041	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0043	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/15/74-08/25/93	19	33	
GARI0044	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0050	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	12	205	
GARI0060	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/80-08/21/80	0	1	
GARI0067	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0068	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0074	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	12	102	
GARI0075	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0076	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0078	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0080	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	0	1	
GARI0028	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/18/86-05/05/86	0	2	
GARI0064	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/18/86-05/05/86	0	2	
GARI0065	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/18/86-05/05/86	0	2	
GARI0028	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/18/86-05/05/86	0	2	
GARI0064	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/18/86-05/05/86	0	2	
GARI0065	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/18/86-05/05/86	0	2	
GARI0033	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/15/74-10/23/84	10	41	
GARI0074	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/19/73-08/06/84	10	45	
GARI0001	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/80-10/17/80	0	1	
GARI0002	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/28/81-07/28/81	0	1	
GARI0003	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/17/76-09/02/81	5	25	
GARI0004	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/83-07/06/83	0	8	
GARI0006	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/60-05/03/61	0	2	
GARI0007	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	1	3	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0008	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/02/81-09/02/81	0	2	
GARI0011	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/89-08/16/89	0	9	
GARI0021	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/81-09/02/81	0	7	
GARI0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/79-03/15/83	3	22	
GARI0027	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/17/76-09/01/83	7	60	
GARI0030	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/26/71-03/14/83	12	9	
GARI0031	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0033	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-10/23/84	38	52	S
GARI0034	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/60-03/14/83	22	12	
GARI0037	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/17/82-08/17/82	0	1	
GARI0041	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/79-03/14/83	3	7	
GARI0043	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/74-11/08/89	15	61	
GARI0044	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/21/71-03/16/83	12	26	
GARI0046	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/02/81-08/01/81	0	5	
GARI0048	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/24/80-03/24/80	0	1	
GARI0050	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	14	345	A
GARI0053	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	1	3	
GARI0055	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0056	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0057	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	1	3	
GARI0058	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/79-10/01/79	0	1	
GARI0060	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/26/71-03/16/83	12	24	
GARI0061	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/80-03/26/80	0	1	
GARI0063	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-08/24/81	0	2	
GARI0066	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/79-10/02/79	0	1	
GARI0067	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	1	5	
GARI0068	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/27/66-03/14/83	16	26	
GARI0073	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	1	3	
GARI0074	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	48	340	T,A,S
GARI0075	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	1	14	
GARI0076	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/61-03/14/83	21	35	
GARI0077	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/81-04/20/82	0	4	
GARI0078	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/79-03/14/83	3	20	
GARI0079	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	1	3	
GARI0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/79-03/14/83	3	7	
GARI0001	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/80-10/17/80	0	1	
GARI0006	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/30/60-05/03/61	0	2	
GARI0007	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-03/15/83	1	2	
GARI0022	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/11/79-03/15/83	3	20	
GARI0030	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/26/71-03/14/83	12	5	
GARI0031	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0034	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/30/60-03/14/83	22	8	
GARI0037	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/17/82-08/17/82	0	1	
GARI0041	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/79-03/14/83	3	6	
GARI0044	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/21/71-03/16/83	12	22	
GARI0048	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/24/80-03/24/80	0	1	
GARI0053	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-03/15/83	1	2	
GARI0055	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0056	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/16/82-08/16/82	0	1	
GARI0057	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-03/15/83	1	2	
GARI0060	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/26/71-03/16/83	12	19	
GARI0061	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-03/16/83	1	2	
GARI0062	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/26/80-03/26/80	0	1	
GARI0063	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-08/24/81	0	1	
GARI0067	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/24/79-08/19/80	1	5	
GARI0068	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/27/66-03/14/83	16	22	
GARI0073	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/25/81-03/14/83	1	2	
GARI0075	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/24/79-08/19/80	1	14	
GARI0076	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/03/61-03/14/83	21	33	
GARI0077	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/25/81-04/20/82	0	3	
GARI0078	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/24/79-03/14/83	3	19	
GARI0079	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/14/83-03/14/83	0	1	
GARI0080	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/24/79-03/14/83	3	6	
GARI0001	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/80-10/17/80	0	1	
GARI0002	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/28/81-07/28/81	0	1	
GARI0003	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/06/81-09/02/81	0	19	
GARI0004	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/11/83-07/06/83	0	8	
GARI0006	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/30/60-08/30/60	0	1	
GARI0007	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/15/83	1	3	
GARI0008	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/81-09/02/81	0	2	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0021	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/03/81-09/02/81	0	7	
GARI0022	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/11/79-03/15/83	3	22	
GARI0024	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/16/84-07/30/84	0	2	
GARI0027	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/06/81-09/01/83	2	50	
GARI0028	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/18/86-05/05/86	0	2	
GARI0030	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/26/71-03/14/83	12	9	
GARI0031	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/82-08/16/82	0	1	
GARI0034	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/30/60-03/14/83	22	12	
GARI0037	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/17/82-08/17/82	0	1	
GARI0041	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/79-03/14/83	3	7	
GARI0043	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/04/81-08/16/89	8	31	
GARI0044	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/21/71-03/16/83	12	26	
GARI0046	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/02/81-08/01/81	0	6	
GARI0048	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/24/80-03/24/80	0	1	
GARI0050	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/05/81-09/01/83	2	174	
GARI0053	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/15/83	1	3	
GARI0055	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/82-08/16/82	0	1	
GARI0056	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/82-08/16/82	0	1	
GARI0057	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/15/83	1	3	
GARI0060	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/26/71-03/16/83	12	24	
GARI0061	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/80-03/26/80	0	1	
GARI0063	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/15/83	1	3	
GARI0064	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/18/86-05/05/86	0	2	
GARI0065	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/18/86-05/05/86	0	2	
GARI0067	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/79-08/19/80	1	5	
GARI0068	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/21/71-03/14/83	12	25	
GARI0073	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/81-03/14/83	1	3	
GARI0075	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/79-08/19/80	1	14	
GARI0076	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/03/61-03/14/83	21	36	
GARI0077	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/81-03/14/83	1	5	
GARI0078	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/79-03/14/83	3	20	
GARI0079	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/81-03/14/83	1	3	
GARI0080	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/79-03/14/83	3	7	
GARI0003	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/17/76-09/02/81	5	25	
GARI0004	No	00916	CALCIUM, TOTAL (MG/L AS CA)	05/11/83-07/06/83	0	8	
GARI0008	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/02/81-09/02/81	0	2	
GARI0011	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/22/89-08/16/89	0	9	
GARI0021	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/03/81-09/02/81	0	7	
GARI0027	No	00916	CALCIUM, TOTAL (MG/L AS CA)	06/17/76-09/01/83	7	61	
GARI0043	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/74-08/16/89	15	60	
GARI0050	No	00916	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	14	352	A
GARI0058	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	10/01/79-10/01/79	0	1	
GARI0066	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	10/02/79-10/02/79	0	1	
GARI0001	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/80-10/17/80	0	1	
GARI0002	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/28/81-07/28/81	0	1	
GARI0003	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/06/81-09/02/81	0	19	
GARI0004	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/11/83-07/06/83	0	8	
GARI0006	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/60-08/30/60	0	1	
GARI0007	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/15/83	1	3	
GARI0008	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/81-09/02/81	0	2	
GARI0021	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/03/81-09/02/81	0	7	
GARI0022	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/11/79-03/15/83	3	22	
GARI0024	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/16/84-07/30/84	0	2	
GARI0027	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/06/81-09/01/83	2	50	
GARI0028	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/18/86-05/05/86	0	2	
GARI0030	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/14/83	1	3	
GARI0031	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/82-08/16/82	0	1	
GARI0034	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/60-03/14/83	22	6	
GARI0037	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/17/82-08/17/82	0	1	
GARI0041	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/79-03/14/83	3	7	
GARI0043	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/81-08/16/89	8	32	
GARI0044	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/24/80-03/16/83	2	19	
GARI0046	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/02/81-08/01/81	0	6	
GARI0048	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/24/80-03/24/80	0	1	
GARI0050	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/05/81-09/01/83	2	178	
GARI0053	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/15/83	1	3	
GARI0055	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/82-08/16/82	0	1	
GARI0056	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/82-08/16/82	0	1	
GARI0057	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/15/83	1	3	
GARI0060	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/80-03/16/83	2	19	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0061	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/80-03/26/80	0	1	
GARI0063	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/15/83	1	3	
GARI0064	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/18/86-05/05/86	0	2	
GARI0065	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/18/86-05/05/86	0	2	
GARI0067	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/79-08/19/80	1	5	
GARI0068	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/80-03/14/83	2	20	
GARI0073	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/81-03/14/83	1	3	
GARI0075	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/79-08/19/80	1	14	
GARI0076	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/03/61-03/14/83	21	33	
GARI0077	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/81-03/14/83	1	5	
GARI0078	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/79-03/14/83	3	20	
GARI0079	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/81-03/14/83	1	3	
GARI0080	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/79-03/14/83	3	7	
GARI0003	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/17/76-09/02/81	5	25	
GARI0004	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/11/83-07/06/83	0	8	
GARI0008	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/02/81-09/02/81	0	2	
GARI0011	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/22/89-08/16/89	0	9	
GARI0021	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/03/81-09/02/81	0	7	
GARI0027	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/17/76-09/01/83	7	61	
GARI0043	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/75-08/16/89	14	56	
GARI0050	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	14	357	A
GARI0058	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/01/79-10/01/79	0	1	
GARI0066	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/02/79-10/02/79	0	1	
GARI0003	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/17/76-09/02/81	5	25	
GARI0004	No	00929	SODIUM, TOTAL (MG/L AS NA)	05/11/83-07/06/83	0	8	
GARI0008	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/02/81-09/02/81	0	2	
GARI0011	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/22/89-08/16/89	0	9	
GARI0021	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/03/81-09/02/81	0	7	
GARI0027	No	00929	SODIUM, TOTAL (MG/L AS NA)	06/17/76-09/01/83	7	61	
GARI0033	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/15/74-10/23/84	10	31	
GARI0043	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	04/24/75-08/16/89	14	56	
GARI0050	No	00929	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	14	357	A
GARI0058	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	10/01/79-10/01/79	0	1	
GARI0066	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	10/02/79-10/02/79	0	1	
GARI0074	No	00929	SODIUM, TOTAL (MG/L AS NA)	01/18/71-09/17/84	13	54	
GARI0001	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/80-10/17/80	0	1	
GARI0002	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/28/81-07/28/81	0	1	
GARI0003	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/81-09/02/81	0	19	
GARI0004	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/11/83-07/06/83	0	8	
GARI0006	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/30/60-08/30/60	0	1	
GARI0007	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/15/83	1	3	
GARI0008	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/81-09/02/81	0	2	
GARI0021	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/03/81-09/02/81	0	7	
GARI0022	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-03/15/83	3	21	
GARI0024	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/16/84-07/30/84	0	2	
GARI0027	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/81-09/01/83	2	50	
GARI0028	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/18/86-05/05/86	0	2	
GARI0030	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/14/83	1	3	
GARI0031	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/82-08/16/82	0	1	
GARI0034	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/30/60-03/14/83	22	6	
GARI0037	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/17/82-08/17/82	0	1	
GARI0041	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-03/14/83	3	6	
GARI0043	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/04/81-08/16/89	8	32	
GARI0044	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/24/80-03/16/83	2	19	
GARI0046	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/02/81-08/01/81	0	6	
GARI0048	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/24/80-03/24/80	0	1	
GARI0050	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/05/81-09/01/83	2	178	
GARI0053	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/15/83	1	3	
GARI0055	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/82-08/16/82	0	1	
GARI0056	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/82-08/16/82	0	1	
GARI0057	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/15/83	1	3	
GARI0060	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/80-03/16/83	2	19	
GARI0061	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/80-03/26/80	0	1	
GARI0063	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/15/83	1	3	
GARI0064	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/18/86-05/05/86	0	2	
GARI0065	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/18/86-05/05/86	0	2	
GARI0067	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-08/19/80	0	4	
GARI0068	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/80-03/14/83	2	20	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0073	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/81-03/14/83	1	3	
GARI0074	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/67-10/26/70	3	27	
GARI0075	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/03/79-08/19/80	1	12	
GARI0076	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/03/61-03/14/83	21	31	
GARI0077	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/81-03/14/83	1	5	
GARI0078	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-03/14/83	3	19	
GARI0079	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/81-03/14/83	1	3	
GARI0080	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-03/14/83	3	6	
GARI0001	No	00931	SODIUM ADSORPTION RATIO	10/17/80-10/17/80	0	1	
GARI0002	No	00931	SODIUM ADSORPTION RATIO	07/28/81-07/28/81	0	1	
GARI0006	No	00931	SODIUM ADSORPTION RATIO	08/30/60-08/30/60	0	1	
GARI0007	No	00931	SODIUM ADSORPTION RATIO	07/20/81-03/15/83	1	3	
GARI0022	No	00931	SODIUM ADSORPTION RATIO	09/10/79-03/15/83	3	21	
GARI0030	No	00931	SODIUM ADSORPTION RATIO	07/20/81-03/14/83	1	3	
GARI0031	No	00931	SODIUM ADSORPTION RATIO	08/16/82-08/16/82	0	1	
GARI0034	No	00931	SODIUM ADSORPTION RATIO	08/30/60-03/14/83	22	6	
GARI0037	No	00931	SODIUM ADSORPTION RATIO	08/17/82-08/17/82	0	1	
GARI0041	No	00931	SODIUM ADSORPTION RATIO	09/10/79-03/14/83	3	6	
GARI0044	Yes	00931	SODIUM ADSORPTION RATIO	03/24/80-03/16/83	2	19	
GARI0046	No	00931	SODIUM ADSORPTION RATIO	03/02/81-06/01/81	0	4	
GARI0048	Yes	00931	SODIUM ADSORPTION RATIO	03/24/80-03/24/80	0	1	
GARI0053	No	00931	SODIUM ADSORPTION RATIO	07/20/81-03/15/83	1	3	
GARI0055	No	00931	SODIUM ADSORPTION RATIO	08/16/82-08/16/82	0	1	
GARI0056	No	00931	SODIUM ADSORPTION RATIO	08/16/82-08/16/82	0	1	
GARI0057	No	00931	SODIUM ADSORPTION RATIO	07/20/81-03/15/83	1	3	
GARI0060	Yes	00931	SODIUM ADSORPTION RATIO	03/26/80-03/16/83	2	19	
GARI0061	Yes	00931	SODIUM ADSORPTION RATIO	07/20/81-03/16/83	1	3	
GARI0062	Yes	00931	SODIUM ADSORPTION RATIO	03/26/80-03/26/80	0	1	
GARI0063	No	00931	SODIUM ADSORPTION RATIO	07/20/81-08/24/81	0	2	
GARI0067	No	00931	SODIUM ADSORPTION RATIO	09/10/79-08/19/80	0	4	
GARI0068	No	00931	SODIUM ADSORPTION RATIO	03/21/80-03/14/83	2	20	
GARI0073	No	00931	SODIUM ADSORPTION RATIO	07/23/81-03/14/83	1	3	
GARI0075	No	00931	SODIUM ADSORPTION RATIO	07/03/79-08/19/80	1	12	
GARI0076	No	00931	SODIUM ADSORPTION RATIO	05/03/61-03/14/83	21	30	
GARI0077	No	00931	SODIUM ADSORPTION RATIO	07/23/81-04/20/82	0	4	
GARI0078	No	00931	SODIUM ADSORPTION RATIO	09/10/79-03/14/83	3	19	
GARI0079	No	00931	SODIUM ADSORPTION RATIO	07/23/81-03/14/83	1	3	
GARI0080	No	00931	SODIUM ADSORPTION RATIO	09/10/79-03/14/83	3	6	
GARI0001	No	00932	SODIUM, PERCENT	10/17/80-10/17/80	0	1	
GARI0006	No	00932	SODIUM, PERCENT	08/30/60-08/30/60	0	1	
GARI0022	No	00932	SODIUM, PERCENT	10/07/80-10/20/80	0	2	
GARI0034	No	00932	SODIUM, PERCENT	08/30/60-10/27/66	6	3	
GARI0044	Yes	00932	SODIUM, PERCENT	09/30/80-09/30/80	0	1	
GARI0046	No	00932	SODIUM, PERCENT	03/02/81-07/01/81	0	5	
GARI0060	Yes	00932	SODIUM, PERCENT	10/30/80-10/30/80	0	1	
GARI0068	No	00932	SODIUM, PERCENT	10/16/80-10/16/80	0	1	
GARI0076	No	00932	SODIUM, PERCENT	05/03/61-10/16/80	19	3	
GARI0078	No	00932	SODIUM, PERCENT	10/16/80-10/16/80	0	1	
GARI0001	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/80-10/17/80	0	1	
GARI0003	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/81-09/02/81	0	19	
GARI0004	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/11/83-07/06/83	0	8	
GARI0006	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/30/60-08/30/60	0	1	
GARI0008	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/81-09/02/81	0	2	
GARI0021	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/03/81-09/02/81	0	7	
GARI0022	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/07/80-10/20/80	0	2	
GARI0024	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/16/84-07/30/84	0	2	
GARI0027	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/81-09/01/83	2	50	
GARI0028	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/18/86-05/05/86	0	2	
GARI0034	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/30/60-10/27/66	6	3	
GARI0043	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/04/81-08/16/89	8	27	
GARI0044	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/30/80-09/30/80	0	1	
GARI0046	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/02/81-08/01/81	0	6	
GARI0050	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/05/81-09/01/83	2	175	
GARI0060	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/30/80-10/30/80	0	1	
GARI0064	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/18/86-05/05/86	0	2	
GARI0065	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/18/86-05/05/86	0	2	
GARI0068	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/16/80-10/16/80	0	1	
GARI0074	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/67-10/26/70	3	27	
GARI0076	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/03/61-10/16/80	19	3	
GARI0078	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/16/80-10/16/80	0	1	
GARI0003	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/17/76-09/02/81	5	25	
GARI0004	No	00937	POTASSIUM, TOTAL MG/L AS K)	05/11/83-07/06/83	0	8	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0008	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/02/81-09/02/81	0	2	
GARI0011	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/22/89-08/16/89	0	9	
GARI0021	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/03/81-09/02/81	0	7	
GARI0027	No	00937	POTASSIUM, TOTAL MG/L AS K)	06/17/76-09/01/83	7	61	
GARI0033	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/15/74-10/23/84	10	31	
GARI0043	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	14	48	
GARI0050	No	00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	14	339	
GARI0058	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	10/01/79-10/01/79	0	1	
GARI0066	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	10/02/79-10/02/79	0	1	
GARI0074	No	00937	POTASSIUM, TOTAL MG/L AS K)	01/18/71-09/17/84	13	53	
GARI0001	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/17/80-10/17/80	0	1	
GARI0002	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/81-07/28/81	0	1	
GARI0003	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/17/76-08/26/93	17	28	
GARI0004	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/11/83-07/06/83	0	8	
GARI0006	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/30/60-05/03/61	0	2	
GARI0007	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/15/83	1	3	
GARI0008	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/02/81-09/02/81	0	2	
GARI0011	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/21/89-08/16/89	0	9	
GARI0021	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/81-09/02/81	0	7	
GARI0022	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/11/79-03/15/83	3	22	
GARI0024	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/16/84-07/30/84	0	2	
GARI0027	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/17/76-08/26/93	17	64	
GARI0030	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/26/71-03/14/83	12	9	
GARI0031	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/82-08/16/82	0	1	
GARI0033	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/23/84	38	51	S
GARI0034	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/30/60-03/14/83	22	12	
GARI0037	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/82-08/17/82	0	1	
GARI0041	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/79-03/14/83	3	7	
GARI0043	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/74-08/25/93	19	60	
GARI0044	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/21/71-03/16/83	12	26	
GARI0046	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/02/81-08/01/81	0	6	
GARI0048	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/24/80-03/24/80	0	1	
GARI0050	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	18	318	T,A
GARI0053	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/15/83	1	3	
GARI0055	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/82-08/16/82	0	1	
GARI0056	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/82-08/16/82	0	1	
GARI0057	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/15/83	1	3	
GARI0058	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/01/79-10/01/79	0	1	
GARI0059	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/01/79-10/01/79	0	1	
GARI0060	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/26/71-03/16/83	12	24	
GARI0061	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/16/83	1	3	
GARI0062	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/80-03/26/80	0	1	
GARI0063	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/15/83	1	3	
GARI0066	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/02/79-10/02/79	0	1	
GARI0067	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/24/79-08/19/80	1	5	
GARI0068	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/27/66-03/14/83	16	26	
GARI0073	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/81-03/14/83	1	3	
GARI0074	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	38	334	T,A,S
GARI0075	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/24/79-08/19/80	1	14	
GARI0076	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/61-03/14/83	21	36	
GARI0077	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/81-03/14/83	1	5	
GARI0078	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/24/79-03/14/83	3	20	
GARI0079	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/81-03/14/83	1	3	
GARI0080	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/24/79-03/14/83	3	7	
GARI0028	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/18/86-05/05/86	0	2	
GARI0064	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/18/86-05/05/86	0	2	
GARI0065	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/18/86-05/05/86	0	2	
GARI0001	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/80-10/17/80	0	1	
GARI0002	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/81-07/28/81	0	1	
GARI0003	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/76-08/26/93	17	28	
GARI0004	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/11/83-07/06/83	0	8	
GARI0006	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/30/60-05/03/61	0	2	
GARI0007	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/15/83	1	3	
GARI0008	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/02/81-09/02/81	0	2	
GARI0011	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/89-08/16/89	0	9	
GARI0021	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/81-09/02/81	0	7	
GARI0022	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/11/79-03/15/83	3	22	
GARI0024	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/16/84-07/30/84	0	2	
GARI0027	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/76-08/26/93	17	64	
GARI0030	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/14/83	1	3	
GARI0031	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/82-08/16/82	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0033	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/15/74-10/23/84	10	43	
GARI0034	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/30/60-03/14/83	22	6	
GARI0037	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/17/82-08/17/82	0	1	
GARI0041	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/79-03/14/83	3	7	
GARI0043	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/74-08/16/89	15	60	
GARI0044	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/24/80-03/16/83	2	19	
GARI0046	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/02/81-08/01/81	0	6	
GARI0048	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/24/80-03/24/80	0	1	
GARI0050	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	18	334	T,A
GARI0053	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/15/83	1	3	
GARI0055	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/82-08/16/82	0	1	
GARI0056	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/82-08/16/82	0	1	
GARI0057	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/15/83	1	3	
GARI0058	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/01/79-10/01/79	0	1	
GARI0059	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/01/79-10/01/79	0	1	
GARI0060	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/80-03/16/83	2	19	
GARI0061	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/16/83	1	3	
GARI0062	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/80-03/26/80	0	1	
GARI0063	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/15/83	1	3	
GARI0066	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/02/79-10/02/79	0	1	
GARI0067	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-08/19/80	1	5	
GARI0068	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/27/66-03/14/83	16	21	
GARI0073	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/81-03/14/83	1	3	
GARI0074	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	33	342	T,A,S
GARI0075	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-08/19/80	1	14	
GARI0076	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/61-03/14/83	21	33	
GARI0077	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/81-03/14/83	1	5	
GARI0078	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-03/14/83	3	20	
GARI0079	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/81-03/14/83	1	3	
GARI0080	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-03/14/83	3	7	
GARI0028	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/18/86-05/05/86	0	2	
GARI0064	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/18/86-05/05/86	0	2	
GARI0065	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/18/86-05/05/86	0	2	
GARI0001	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/17/80-10/17/80	0	1	
GARI0006	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/30/60-05/03/61	0	2	
GARI0022	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/07/80-10/20/80	0	2	
GARI0024	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/84-07/30/84	0	2	
GARI0028	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/18/86-05/05/86	0	2	
GARI0034	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/30/60-10/27/66	6	3	
GARI0044	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/30/80-09/30/80	0	1	
GARI0046	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/02/81-08/01/81	0	6	
GARI0060	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/30/80-10/30/80	0	1	
GARI0064	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/18/86-05/05/86	0	2	
GARI0065	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/18/86-05/05/86	0	2	
GARI0068	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/16/80-10/16/80	0	1	
GARI0076	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/03/61-10/16/80	19	3	
GARI0078	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/16/80-10/16/80	0	1	
GARI0033	No	00951	FLUORIDE, TOTAL (MG/L AS F)	01/15/74-07/19/84	10	38	
GARI0074	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	16	148	
GARI0001	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/17/80-10/17/80	0	1	
GARI0006	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/30/60-08/30/60	0	1	
GARI0007	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	0	1	
GARI0022	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/16/82	1	12	
GARI0028	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/86-05/05/86	0	2	
GARI0030	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	0	1	
GARI0034	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/30/60-08/24/81	20	4	
GARI0041	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/24/81	1	2	
GARI0044	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/17/82	1	10	
GARI0046	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/02/81-08/01/81	0	6	
GARI0053	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	0	1	
GARI0057	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	0	1	
GARI0060	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/30/80-08/24/82	1	9	
GARI0061	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	0	1	
GARI0063	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	0	1	
GARI0064	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/86-05/05/86	0	2	
GARI0065	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/86-05/05/86	0	2	
GARI0067	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/19/80	0	1	
GARI0068	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/18/82	1	10	
GARI0073	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/25/81-08/25/81	0	1	
GARI0075	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/19/80	0	1	
GARI0076	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/61-08/18/82	21	12	
GARI0077	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/25/81-04/20/82	0	3	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0078	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/18/82	1	9	
GARI0079	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/25/81-08/25/81	0	1	
GARI0080	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/25/81	1	2	
GARI0043	Yes	00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	06/25/74-08/28/75	1	10	
GARI0050	No	00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	04/25/75-08/28/75	0	13	
GARI0043	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/79-10/01/79	0	1	
GARI0058	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/79-10/02/79	0	1	
GARI0033	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/15/74-10/23/84	10	41	
GARI0043	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/01/79-09/22/88	8	9	
GARI0058	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/02/79-10/02/79	0	1	
GARI0074	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/71-09/17/84	13	46	
GARI0007	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/25/81	1	2	
GARI0003	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/06/81-09/02/81	0	19	
GARI0004	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/11/83-07/06/83	0	8	
GARI0007	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	0	1	
GARI0008	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/81-09/02/81	0	2	
GARI0021	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/03/81-09/02/81	0	7	
GARI0022	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/16/82	1	10	
GARI0027	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/06/81-09/01/83	2	50	
GARI0030	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	0	1	
GARI0034	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	0	1	
GARI0041	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/24/81	1	2	
GARI0043	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/04/81-08/16/89	8	31	
GARI0044	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/17/82	1	9	
GARI0046	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/02/81-03/02/81	0	1	
GARI0050	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/05/81-09/01/83	2	168	
GARI0053	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	0	1	
GARI0057	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	0	1	
GARI0063	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	0	1	
GARI0067	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/19/80	0	1	
GARI0068	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/18/82	1	9	
GARI0073	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/25/81-08/25/81	0	1	
GARI0075	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/19/80	0	1	
GARI0076	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/18/82	1	9	
GARI0077	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/25/81-04/20/82	0	3	
GARI0078	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/18/82	1	8	
GARI0079	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/25/81-08/25/81	0	1	
GARI0080	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/25/81	1	2	
GARI0003	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/06/81-09/02/81	0	19	
GARI0004	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/11/83-07/06/83	0	8	
GARI0008	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/02/81-09/02/81	0	2	
GARI0011	No	01007	BARIUM, TOTAL (UG/L AS BA)	06/22/89-08/16/89	0	9	
GARI0021	No	01007	BARIUM, TOTAL (UG/L AS BA)	06/03/81-09/02/81	0	7	
GARI0027	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/06/81-09/01/83	2	50	
GARI0033	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/16/75-10/23/84	9	26	
GARI0043	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	05/04/81-08/16/89	8	38	
GARI0050	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/05/81-08/16/89	8	194	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0074	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/15/75-09/17/84	9	26	
GARI0003	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/06/81-09/02/81	0	19	
GARI0004	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/11/83-07/06/83	0	8	
GARI0007	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	0	1	
GARI0008	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/02/81-09/02/81	0	2	
GARI0021	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	06/03/81-09/02/81	0	7	
GARI0022	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/16/82	1	10	
GARI0027	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/06/81-09/01/83	2	50	
GARI0030	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	0	1	
GARI0034	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	0	1	
GARI0041	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/24/81	1	2	
GARI0043	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/04/81-08/16/89	8	32	
GARI0044	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/17/82	1	9	
GARI0050	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/05/81-09/01/83	2	178	
GARI0053	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	0	1	
GARI0057	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	0	1	
GARI0063	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	0	1	
GARI0067	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/19/80	0	1	
GARI0068	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/18/82	1	9	
GARI0073	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/25/81-08/25/81	0	1	
GARI0075	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/19/80	0	1	
GARI0076	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/18/82	1	9	
GARI0077	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/25/81-04/20/82	0	3	
GARI0078	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/18/82	1	8	
GARI0079	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/25/81-08/25/81	0	1	
GARI0080	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/25/81	1	2	
GARI0003	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/06/81-09/02/81	0	19	
GARI0004	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/11/83-07/06/83	0	8	
GARI0008	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/02/81-09/02/81	0	2	
GARI0011	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/22/89-08/16/89	0	9	
GARI0021	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/03/81-09/02/81	0	7	
GARI0027	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/06/81-09/01/83	2	50	
GARI0043	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/04/81-08/16/89	8	39	
GARI0050	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/05/81-08/16/89	8	204	
GARI0003	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/05/81-09/02/81	0	7	
GARI0007	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	0	1	
GARI0008	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/02/81-09/02/81	0	2	
GARI0021	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/05/81-09/02/81	0	3	
GARI0022	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/16/82	1	10	
GARI0027	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/05/81-09/02/81	0	13	
GARI0030	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	0	1	
GARI0034	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	0	1	
GARI0041	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/24/81	1	2	
GARI0043	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/10/78-08/11/82	4	10	
GARI0044	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/17/82	1	9	
GARI0046	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/02/81-03/02/81	0	1	
GARI0050	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/09/78-08/12/82	4	126	
GARI0053	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	0	1	
GARI0057	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	0	1	
GARI0058	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	0	1	
GARI0063	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	0	1	
GARI0066	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/79-10/02/79	0	1	
GARI0067	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/19/80	0	1	
GARI0068	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/18/82	1	9	
GARI0073	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/25/81-08/25/81	0	1	
GARI0074	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/15/68-10/26/70	2	18	
GARI0075	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/19/80	0	1	
GARI0076	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/18/82	1	9	
GARI0077	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/25/81-04/20/82	0	3	
GARI0078	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/18/82	1	8	
GARI0079	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/25/81-08/25/81	0	1	
GARI0080	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/25/81	1	2	
GARI0003	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/05/81-09/02/81	0	7	
GARI0008	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/02/81-09/02/81	0	2	
GARI0021	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/05/81-09/02/81	0	3	
GARI0027	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/12/80-09/02/81	1	14	
GARI0033	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/15/74-10/23/84	10	42	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0043	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	06/25/74-08/16/89	15	33	
GARI0050	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	7	141	
GARI0058	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/02/79-10/02/79	0	1	
GARI0074	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	13	137	A
GARI0007	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	1	2	
GARI0007	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	1	2	
GARI0003	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/17/76-09/02/81	5	13	
GARI0008	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/02/81-09/02/81	0	2	
GARI0021	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/05/81-09/02/81	0	3	
GARI0027	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/17/76-09/02/81	5	22	
GARI0043	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/15/76-08/11/82	6	12	
GARI0050	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	6	137	
GARI0058	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/79-10/02/79	0	1	
GARI0033	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/15/74-10/23/84	10	38	
GARI0074	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	16	145	
GARI0003	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/17/76-09/02/81	5	13	
GARI0008	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/02/81-09/02/81	0	2	
GARI0021	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/05/81-09/02/81	0	3	
GARI0027	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/17/76-09/02/81	5	24	
GARI0033	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/74-10/23/84	10	28	
GARI0043	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/24/75-08/16/89	14	31	
GARI0050	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	7	153	
GARI0058	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/02/79-10/02/79	0	1	
GARI0074	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/17/74-09/17/84	10	61	
GARI0007	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	0	1	
GARI0022	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/16/82	1	10	
GARI0030	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	0	1	
GARI0034	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0041	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/24/81	1	2	
GARI0044	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/17/82	1	9	
GARI0053	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	0	1	
GARI0057	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	0	1	
GARI0063	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	0	1	
GARI0067	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/19/80	0	1	
GARI0068	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/18/82	1	9	
GARI0073	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/25/81-08/25/81	0	1	
GARI0075	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/19/80	0	1	
GARI0076	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/18/82	1	9	
GARI0077	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/25/81-04/20/82	0	3	
GARI0078	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/18/82	1	8	
GARI0079	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/25/81-08/25/81	0	1	
GARI0080	No	01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/25/81	1	2	
GARI0007	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/25/81	1	2	
GARI0003	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/17/76-09/02/81	5	13	
GARI0007	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	0	1	
GARI0008	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/02/81-09/02/81	0	2	
GARI0021	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/05/81-09/02/81	0	3	
GARI0022	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/16/82	1	10	
GARI0027	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/17/76-09/02/81	5	22	
GARI0030	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	0	1	
GARI0034	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	0	1	
GARI0041	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/24/81	1	2	
GARI0043	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	06/15/76-08/11/82	6	8	
GARI0044	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/17/82	1	9	
GARI0050	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/04/76-08/12/82	6	77	
GARI0053	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	0	1	
GARI0057	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	0	1	
GARI0058	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	0	1	
GARI0063	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	0	1	
GARI0066	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/79-10/02/79	0	1	
GARI0067	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/19/80	0	1	
GARI0068	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/18/82	1	9	
GARI0073	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/25/81-08/25/81	0	1	
GARI0075	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/19/80	0	1	
GARI0076	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/18/82	1	9	
GARI0077	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/25/81-04/20/82	0	3	
GARI0078	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/18/82	1	8	
GARI0079	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/25/81-08/25/81	0	1	
GARI0080	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/25/81	1	2	
GARI0003	No	01042	COPPER, TOTAL (UG/L AS CU)	06/17/76-09/02/81	5	13	
GARI0008	No	01042	COPPER, TOTAL (UG/L AS CU)	09/02/81-09/02/81	0	2	
GARI0021	No	01042	COPPER, TOTAL (UG/L AS CU)	08/05/81-09/02/81	0	3	
GARI0027	No	01042	COPPER, TOTAL (UG/L AS CU)	06/17/76-09/02/81	5	23	
GARI0033	No	01042	COPPER, TOTAL (UG/L AS CU)	01/15/74-10/23/84	10	41	
GARI0043	Yes	01042	COPPER, TOTAL (UG/L AS CU)	06/25/74-08/16/89	15	31	
GARI0050	No	01042	COPPER, TOTAL (UG/L AS CU)	04/25/75-08/12/82	7	90	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0058	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01042	COPPER, TOTAL (UG/L AS CU)	10/02/79-10/02/79	0	1	
GARI0074	No	01042	COPPER, TOTAL (UG/L AS CU)	01/18/71-09/17/84	13	46	
GARI0007	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/25/81	1	2	
GARI0001	No	01044	IRON, SUSPENDED (UG/L AS FE)	10/17/80-10/17/80	0	1	
GARI0002	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/28/81-07/28/81	0	1	
GARI0007	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0022	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/11/79-03/15/83	3	20	
GARI0030	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/14/83	1	3	
GARI0031	No	01044	IRON, SUSPENDED (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0034	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/14/83	1	3	
GARI0037	No	01044	IRON, SUSPENDED (UG/L AS FE)	08/17/82-08/17/82	0	1	
GARI0041	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/25/79-03/14/83	3	6	
GARI0044	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	03/24/80-03/16/83	2	19	
GARI0048	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	03/24/80-03/24/80	0	1	
GARI0053	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0055	No	01044	IRON, SUSPENDED (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0056	No	01044	IRON, SUSPENDED (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0057	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0060	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	03/26/80-03/16/83	2	18	
GARI0061	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/16/83	1	3	
GARI0062	Yes	01044	IRON, SUSPENDED (UG/L AS FE)	03/26/80-03/26/80	0	1	
GARI0063	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0067	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/19/80	1	4	
GARI0068	No	01044	IRON, SUSPENDED (UG/L AS FE)	03/21/80-03/14/83	2	20	
GARI0073	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/23/81-03/14/83	1	3	
GARI0075	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/19/80	1	10	
GARI0076	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-03/14/83	3	27	
GARI0077	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/23/81-03/14/83	1	5	
GARI0078	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-03/14/83	3	18	
GARI0079	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/23/81-03/14/83	1	3	
GARI0080	No	01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-03/14/83	3	6	
GARI0001	No	01045	IRON, TOTAL (UG/L AS FE)	10/17/80-10/17/80	0	1	
GARI0002	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/81-07/28/81	0	1	
GARI0003	No	01045	IRON, TOTAL (UG/L AS FE)	06/17/76-08/26/93	17	28	
GARI0004	No	01045	IRON, TOTAL (UG/L AS FE)	05/11/83-07/06/83	0	8	
GARI0007	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0008	No	01045	IRON, TOTAL (UG/L AS FE)	09/02/81-09/02/81	0	2	
GARI0011	No	01045	IRON, TOTAL (UG/L AS FE)	06/22/89-08/16/89	0	9	
GARI0021	No	01045	IRON, TOTAL (UG/L AS FE)	06/03/81-09/02/81	0	7	
GARI0022	No	01045	IRON, TOTAL (UG/L AS FE)	05/11/79-03/15/83	3	22	
GARI0024	No	01045	IRON, TOTAL (UG/L AS FE)	05/16/84-07/30/84	0	2	
GARI0027	No	01045	IRON, TOTAL (UG/L AS FE)	06/17/76-08/26/93	17	65	
GARI0030	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/14/83	1	3	
GARI0031	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0033	No	01045	IRON, TOTAL (UG/L AS FE)	01/15/74-10/23/84	10	43	
GARI0034	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/14/83	1	3	
GARI0037	No	01045	IRON, TOTAL (UG/L AS FE)	08/17/82-08/17/82	0	1	
GARI0041	No	01045	IRON, TOTAL (UG/L AS FE)	05/25/79-03/14/83	3	7	
GARI0042	No	01045	IRON, TOTAL (UG/L AS FE)	06/14/93-04/13/95	1	9	
GARI0043	Yes	01045	IRON, TOTAL (UG/L AS FE)	06/25/74-08/25/93	19	62	
GARI0044	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/24/80-03/16/83	2	19	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0045	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/26/92-04/13/95	2	10	
GARI0048	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/24/80-03/24/80	0	1	
GARI0050	No	01045	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	18	360	T,A
GARI0053	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0055	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0056	No	01045	IRON, TOTAL (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0057	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0058	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/26/80-03/16/83	2	18	
GARI0061	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/16/83	1	3	
GARI0062	Yes	01045	IRON, TOTAL (UG/L AS FE)	03/26/80-03/26/80	0	1	
GARI0063	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0066	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/02/79-10/02/79	0	1	
GARI0067	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/19/80	1	5	
GARI0068	No	01045	IRON, TOTAL (UG/L AS FE)	03/21/80-03/14/83	2	20	
GARI0069	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/26/92-04/13/95	2	10	
GARI0071	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/26/92-04/13/95	2	10	
GARI0072	No	01045	IRON, TOTAL (UG/L AS FE)	05/26/92-04/13/95	2	10	
GARI0073	No	01045	IRON, TOTAL (UG/L AS FE)	07/23/81-03/14/83	1	3	
GARI0074	No	01045	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	27	216	T,A,S
GARI0075	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/19/80	1	14	
GARI0076	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-03/14/83	3	31	
GARI0077	No	01045	IRON, TOTAL (UG/L AS FE)	07/23/81-03/14/83	1	5	
GARI0078	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-03/14/83	3	20	
GARI0079	No	01045	IRON, TOTAL (UG/L AS FE)	07/23/81-03/14/83	1	3	
GARI0080	No	01045	IRON, TOTAL (UG/L AS FE)	05/24/79-03/14/83	3	7	
GARI0001	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/17/80-10/17/80	0	1	
GARI0002	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/81-07/28/81	0	1	
GARI0003	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/17/76-09/02/81	5	25	
GARI0004	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/11/83-07/06/83	0	8	
GARI0006	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/30/60-05/03/61	0	2	
GARI0007	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0008	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/81-09/02/81	0	2	
GARI0021	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/03/81-09/02/81	0	7	
GARI0022	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/11/79-03/15/83	3	22	
GARI0024	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/16/84-07/30/84	0	2	
GARI0027	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/17/76-09/01/83	7	60	
GARI0030	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/14/83	1	3	
GARI0031	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0034	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/30/60-03/14/83	22	5	
GARI0037	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/17/82-08/17/82	0	1	
GARI0041	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/25/79-03/14/83	3	7	
GARI0043	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	04/24/75-08/16/89	14	49	
GARI0044	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/24/80-03/16/83	2	19	
GARI0046	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/02/81-08/01/81	0	6	
GARI0048	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/24/80-03/24/80	0	1	
GARI0050	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	8	330	
GARI0053	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0055	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0056	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/82-08/16/82	0	1	
GARI0057	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0058	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/26/80-03/16/83	2	19	
GARI0061	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/16/83	1	3	
GARI0062	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	03/26/80-03/26/80	0	1	
GARI0063	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/15/83	1	3	
GARI0066	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/02/79-10/02/79	0	1	
GARI0067	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-08/19/80	1	5	
GARI0068	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/21/80-03/14/83	2	20	
GARI0073	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/23/81-03/14/83	1	3	
GARI0075	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-08/19/80	1	14	
GARI0076	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/03/61-03/14/83	21	32	
GARI0077	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/23/81-03/14/83	1	5	
GARI0078	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-03/14/83	3	20	
GARI0079	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/23/81-03/14/83	1	3	
GARI0080	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-03/14/83	3	7	
GARI0003	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/17/76-09/02/81	5	13	
GARI0007	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	0	1	
GARI0008	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/02/81-09/02/81	0	2	
GARI0021	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/05/81-09/02/81	0	3	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0022	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/16/82	1	10	
GARI0027	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/17/76-09/02/81	5	22	
GARI0030	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	0	1	
GARI0034	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	0	1	
GARI0041	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/24/81	1	2	
GARI0043	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	06/15/76-08/11/82	6	8	
GARI0044	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/17/82	1	9	
GARI0050	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/04/76-08/12/82	6	77	
GARI0053	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	0	1	
GARI0057	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	0	1	
GARI0058	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	0	1	
GARI0063	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	0	1	
GARI0066	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/79-10/02/79	0	1	
GARI0067	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/19/80	0	1	
GARI0068	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/18/82	1	9	
GARI0073	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/25/81-08/25/81	0	1	
GARI0074	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/06/67-06/22/95	27	30	S
GARI0075	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/19/80	0	1	
GARI0076	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/18/82	1	9	
GARI0077	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/25/81-04/20/82	0	3	
GARI0078	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/18/82	1	8	
GARI0079	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/25/81-08/25/81	0	1	
GARI0080	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/25/81	1	2	
GARI0003	No	01051	LEAD, TOTAL (UG/L AS PB)	06/17/76-09/02/81	5	13	
GARI0008	No	01051	LEAD, TOTAL (UG/L AS PB)	09/02/81-09/02/81	0	2	
GARI0021	No	01051	LEAD, TOTAL (UG/L AS PB)	08/05/81-09/02/81	0	3	
GARI0027	No	01051	LEAD, TOTAL (UG/L AS PB)	06/17/76-09/02/81	5	23	
GARI0033	No	01051	LEAD, TOTAL (UG/L AS PB)	01/15/74-10/23/84	10	43	
GARI0043	Yes	01051	LEAD, TOTAL (UG/L AS PB)	06/25/74-08/16/89	15	31	
GARI0050	No	01051	LEAD, TOTAL (UG/L AS PB)	04/25/75-08/12/82	7	90	
GARI0058	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/02/79-10/02/79	0	1	
GARI0074	No	01051	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	24	151	T,A,S
GARI0007	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/25/81	1	2	
GARI0007	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-09/10/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0076	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/25/81	1	2	
GARI0001	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/17/80-10/17/80	0	1	
GARI0002	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/28/81-07/28/81	0	1	
GARI0007	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0022	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/11/79-03/15/83	3	22	
GARI0030	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/14/83	1	3	
GARI0031	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0034	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/14/83	1	3	
GARI0037	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/17/82-08/17/82	0	1	
GARI0041	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/25/79-03/14/83	3	7	
GARI0044	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/24/80-03/16/83	2	19	
GARI0048	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/24/80-03/24/80	0	1	
GARI0053	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0055	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0056	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0057	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0060	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/26/80-03/16/83	2	17	
GARI0061	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/16/83	1	3	
GARI0062	Yes	01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/26/80-03/26/80	0	1	
GARI0063	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0067	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/19/80	1	5	
GARI0068	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/21/80-03/14/83	2	20	
GARI0073	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/23/81-03/14/83	1	3	
GARI0075	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/19/80	1	14	
GARI0076	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-03/14/83	3	31	
GARI0077	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/25/81-03/14/83	1	4	
GARI0078	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-03/14/83	3	19	
GARI0079	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/25/81-03/14/83	1	2	
GARI0080	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-03/14/83	3	6	
GARI0001	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/17/80-10/17/80	0	1	
GARI0002	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/81-07/28/81	0	1	
GARI0003	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/76-08/26/93	17	24	
GARI0004	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/11/83-07/06/83	0	8	
GARI0006	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/30/60-05/03/61	0	2	
GARI0007	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0008	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/02/81-09/02/81	0	2	
GARI0011	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/22/89-08/16/89	0	9	
GARI0021	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/81-09/02/81	0	7	
GARI0022	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/11/79-03/15/83	3	22	
GARI0024	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/16/84-07/30/84	0	2	
GARI0027	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/76-08/26/93	17	58	
GARI0030	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/14/83	1	3	
GARI0031	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0033	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/15/74-10/23/84	10	43	
GARI0034	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/30/60-03/14/83	22	5	
GARI0037	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/17/82-08/17/82	0	1	
GARI0041	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/79-03/14/83	3	7	
GARI0043	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	06/25/74-08/25/93	19	61	
GARI0044	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/24/80-03/16/83	2	19	
GARI0048	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/24/80-03/24/80	0	1	
GARI0050	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	18	356	T,A
GARI0053	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0055	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0056	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0057	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0058	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/80-03/16/83	2	18	
GARI0061	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/16/83	1	3	
GARI0062	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/80-03/26/80	0	1	
GARI0063	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0066	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	10/02/79-10/02/79	0	1	
GARI0067	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/19/80	1	5	
GARI0068	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/21/80-03/14/83	2	20	
GARI0073	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/81-03/14/83	1	3	
GARI0074	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	27	210	T,A,S
GARI0075	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/19/80	1	14	
GARI0076	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/61-03/14/83	21	32	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0077	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/81-03/14/83	1	5	
GARI0078	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-03/14/83	3	20	
GARI0079	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/81-03/14/83	1	3	
GARI0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-03/14/83	3	7	
GARI0001	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/17/80-10/17/80	0	1	
GARI0002	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/81-07/28/81	0	1	
GARI0003	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/76-09/02/81	5	25	
GARI0004	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/11/83-07/06/83	0	8	
GARI0007	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0008	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/81-09/02/81	0	2	
GARI0021	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/81-09/02/81	0	7	
GARI0022	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/11/79-03/15/83	3	22	
GARI0024	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/16/84-07/30/84	0	2	
GARI0027	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/76-09/01/83	7	60	
GARI0028	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/18/86-05/05/86	0	2	
GARI0030	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/14/83	1	3	
GARI0031	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0034	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/14/83	1	3	
GARI0037	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/17/82-08/17/82	0	1	
GARI0041	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/79-03/14/83	3	7	
GARI0042	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-04/13/95	1	9	
GARI0043	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/24/75-08/16/89	14	49	
GARI0044	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/24/80-03/16/83	2	19	
GARI0045	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/26/92-04/13/95	2	10	
GARI0046	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/02/81-08/01/81	0	6	
GARI0048	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/24/80-03/24/80	0	1	
GARI0050	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	8	326	
GARI0053	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0055	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0056	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/82-08/16/82	0	1	
GARI0057	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0058	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/26/80-03/16/83	2	19	
GARI0061	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/16/83	1	3	
GARI0062	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/26/80-03/26/80	0	1	
GARI0063	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/15/83	1	3	
GARI0064	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/18/86-05/05/86	0	2	
GARI0065	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/18/86-05/05/86	0	2	
GARI0066	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/02/79-10/02/79	0	1	
GARI0067	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-08/19/80	1	5	
GARI0068	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/80-03/14/83	2	20	
GARI0069	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/26/92-04/13/95	2	10	
GARI0071	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/26/92-04/13/95	2	10	
GARI0072	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/26/92-04/13/95	2	10	
GARI0073	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/81-03/14/83	1	3	
GARI0075	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-08/19/80	1	14	
GARI0076	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-03/14/83	3	31	
GARI0077	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/81-03/14/83	1	5	
GARI0078	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-03/14/83	3	20	
GARI0079	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/81-03/14/83	1	3	
GARI0080	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-03/14/83	3	7	
GARI0003	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/06/81-09/02/81	0	19	
GARI0008	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	09/02/81-09/02/81	0	2	
GARI0021	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	06/03/81-09/02/81	0	7	
GARI0027	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/06/81-09/02/81	0	34	
GARI0043	Yes	01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/04/81-09/08/82	1	11	
GARI0050	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/05/81-09/07/82	1	143	
GARI0003	No	01059	THALLIUM, TOTAL (UG/L AS TL)	05/06/81-09/02/81	0	19	
GARI0008	No	01059	THALLIUM, TOTAL (UG/L AS TL)	09/02/81-09/02/81	0	2	
GARI0021	No	01059	THALLIUM, TOTAL (UG/L AS TL)	06/03/81-09/02/81	0	7	
GARI0027	No	01059	THALLIUM, TOTAL (UG/L AS TL)	05/06/81-09/02/81	0	33	
GARI0043	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	05/04/81-09/08/82	1	11	
GARI0050	No	01059	THALLIUM, TOTAL (UG/L AS TL)	05/05/81-09/07/82	1	141	
GARI0007	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	0	1	
GARI0022	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/16/82	1	10	
GARI0030	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	0	1	
GARI0034	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	0	1	
GARI0041	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/24/81	1	2	
GARI0044	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/17/82	1	9	
GARI0053	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	0	1	
GARI0057	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0060	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	0	1	
GARI0063	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	0	1	
GARI0067	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/19/80	0	1	
GARI0068	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/18/82	1	9	
GARI0073	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/25/81-08/25/81	0	1	
GARI0075	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/19/80	0	1	
GARI0076	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/18/82	1	9	
GARI0077	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/25/81-04/20/82	0	3	
GARI0078	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/18/82	1	8	
GARI0079	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/25/81-08/25/81	0	1	
GARI0080	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/25/81	1	2	
GARI0003	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/05/81-09/02/81	0	6	
GARI0008	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/02/81-09/02/81	0	2	
GARI0021	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/05/81-09/02/81	0	3	
GARI0027	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/05/81-09/02/81	0	13	
GARI0043	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/17/79-08/11/82	3	5	
GARI0050	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/04/81-08/12/82	1	38	
GARI0058	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/79-10/02/79	0	1	
GARI0003	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/05/81-09/02/81	0	7	
GARI0008	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/02/81-09/02/81	0	2	
GARI0021	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/05/81-09/02/81	0	3	
GARI0027	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/12/80-09/02/81	1	14	
GARI0033	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/19/74-10/23/84	10	29	
GARI0043	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	06/25/74-08/16/89	15	29	
GARI0050	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/25/75-08/12/82	7	53	
GARI0058	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	10/02/79-10/02/79	0	1	
GARI0074	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/27/72-09/17/84	11	30	
GARI0074	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/09/68-10/26/70	2	17	
GARI0033	No	01077	SILVER, TOTAL (UG/L AS AG)	01/15/74-10/23/84	10	30	
GARI0043	Yes	01077	SILVER, TOTAL (UG/L AS AG)	04/24/75-08/28/75	0	5	
GARI0050	No	01077	SILVER, TOTAL (UG/L AS AG)	04/25/75-08/28/75	0	13	
GARI0074	No	01077	SILVER, TOTAL (UG/L AS AG)	01/18/71-09/17/84	13	44	
GARI0007	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	0	1	
GARI0022	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/16/82	1	10	
GARI0030	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	0	1	
GARI0034	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	0	1	
GARI0041	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/24/81	1	2	
GARI0044	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/17/82	1	9	
GARI0046	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/02/81-03/02/81	0	1	
GARI0053	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	0	1	
GARI0057	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	0	1	
GARI0063	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	0	1	
GARI0067	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/19/80	0	1	
GARI0068	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/18/82	1	9	
GARI0073	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/25/81-08/25/81	0	1	
GARI0075	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/19/80	0	1	
GARI0076	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/18/82	1	9	
GARI0077	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/25/81-04/20/82	0	3	
GARI0078	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/18/82	1	8	
GARI0079	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/25/81-08/25/81	0	1	
GARI0080	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/25/81	1	2	
GARI0007	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	0	1	
GARI0022	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/16/82	1	10	
GARI0030	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	0	1	
GARI0034	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	0	1	
GARI0041	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/24/81	1	2	
GARI0044	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/17/82	1	9	
GARI0053	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	0	1	
GARI0057	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	0	1	
GARI0063	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	0	1	
GARI0067	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/19/80	0	1	
GARI0068	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/18/82	1	9	
GARI0073	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/25/81-08/25/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0075	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/19/80	0	1	
GARI0076	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/18/82	1	9	
GARI0077	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/25/81-04/20/82	0	3	
GARI0078	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/18/82	1	8	
GARI0079	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/25/81-08/25/81	0	1	
GARI0080	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/25/81	1	2	
GARI0003	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/17/76-09/02/81	5	25	
GARI0004	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/11/83-07/06/83	0	8	
GARI0007	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	0	1	
GARI0008	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/02/81-09/02/81	0	2	
GARI0021	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/03/81-09/02/81	0	7	
GARI0022	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/16/82	1	10	
GARI0027	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/17/76-09/01/83	7	59	
GARI0030	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	0	1	
GARI0034	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	0	1	
GARI0041	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/24/81	1	2	
GARI0043	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/15/76-08/16/89	13	40	
GARI0044	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/17/82	1	9	
GARI0046	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/02/81-03/02/81	0	1	
GARI0050	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	7	278	
GARI0053	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	0	1	
GARI0057	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	0	1	
GARI0058	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	0	1	
GARI0063	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	0	1	
GARI0066	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/79-10/02/79	0	1	
GARI0067	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/19/80	0	1	
GARI0068	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/18/82	1	9	
GARI0073	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/25/81-08/25/81	0	1	
GARI0074	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/15/68-05/15/68	0	1	
GARI0075	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/19/80	0	1	
GARI0076	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/18/82	1	9	
GARI0077	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/25/81-04/20/82	0	3	
GARI0078	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/18/82	1	8	
GARI0079	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/25/81-08/25/81	0	1	
GARI0080	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/25/81	1	2	
GARI0003	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/17/76-09/02/81	5	25	
GARI0004	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/11/83-07/06/83	0	8	
GARI0008	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/02/81-09/02/81	0	2	
GARI0011	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/22/89-08/16/89	0	9	
GARI0021	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/03/81-09/02/81	0	7	
GARI0027	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/17/76-09/01/83	7	60	
GARI0033	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/15/74-10/23/84	10	31	
GARI0043	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	04/24/75-08/16/89	14	52	
GARI0050	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	14	315	A
GARI0058	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	10/02/79-10/02/79	0	1	
GARI0074	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/18/71-09/17/84	13	71	
GARI0007	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/25/81	1	2	
GARI0003	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/06/81-09/02/81	0	19	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0004	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/11/83-07/06/83	0	8	
GARI0008	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	09/02/81-09/02/81	0	2	
GARI0021	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	06/03/81-09/02/81	0	7	
GARI0027	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/06/81-09/01/83	2	50	
GARI0033	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/16/75-07/16/75	0	1	
GARI0043	Yes	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/04/81-08/16/89	8	27	
GARI0050	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/05/81-09/01/83	2	178	
GARI0003	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	05/06/81-09/02/81	0	19	
GARI0004	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	05/11/83-07/06/83	0	8	
GARI0008	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/02/81-09/02/81	0	2	
GARI0011	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	06/22/89-08/16/89	0	9	
GARI0021	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	06/03/81-09/02/81	0	7	
GARI0027	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	05/06/81-09/01/83	2	50	
GARI0033	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/16/75-10/23/84	9	26	
GARI0043	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	05/04/81-08/16/89	8	34	
GARI0050	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	05/05/81-08/16/89	8	193	
GARI0074	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	06/17/75-09/17/84	9	27	
GARI0043	Yes	01102	TIN, TOTAL (UG/L AS SN)	04/24/75-08/28/75	0	5	
GARI0050	No	01102	TIN, TOTAL (UG/L AS SN)	04/25/75-08/28/75	0	13	
GARI0003	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/17/76-09/02/81	5	25	
GARI0004	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/11/83-07/06/83	0	8	
GARI0007	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0008	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/02/81-09/02/81	0	2	
GARI0011	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/89-08/16/89	0	9	
GARI0021	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/81-09/02/81	0	7	
GARI0022	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0027	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/17/76-09/01/83	7	60	
GARI0028	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/86-05/05/86	0	2	
GARI0030	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0033	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/15/74-10/23/84	10	31	
GARI0034	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0041	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0043	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/76-08/16/89	13	44	
GARI0044	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0050	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	13	238	
GARI0053	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0057	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0058	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0063	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0064	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/86-05/05/86	0	2	
GARI0065	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/86-05/05/86	0	2	
GARI0066	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/02/79-10/02/79	0	1	
GARI0068	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0073	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0074	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	23	170	T,A,S
GARI0076	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0077	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0078	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0079	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0080	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0003	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/17/76-09/02/81	5	25	
GARI0004	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/11/83-07/06/83	0	8	
GARI0007	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0008	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/02/81-09/02/81	0	2	
GARI0021	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/03/81-09/02/81	0	7	
GARI0022	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0024	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/16/84-07/30/84	0	2	
GARI0027	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/17/76-09/01/83	7	59	
GARI0030	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0034	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0041	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0042	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/93-04/13/95	1	9	
GARI0043	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/15/76-08/16/89	13	37	
GARI0044	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0045	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/26/92-04/13/95	2	10	
GARI0050	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/04/76-09/01/83	7	212	
GARI0053	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0057	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0058	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/01/79-10/01/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0059	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/01/79-10/01/79	0	1	
GARI0060	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0063	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0066	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/02/79-10/02/79	0	1	
GARI0068	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0069	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/26/92-04/13/95	2	10	
GARI0071	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/26/92-04/13/95	2	10	
GARI0072	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/26/92-04/13/95	2	10	
GARI0073	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0076	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0077	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0078	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0079	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0080	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0007	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0022	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0030	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0034	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0041	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0044	Yes	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0053	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0057	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0063	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0068	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	0	1	
GARI0073	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0076	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0077	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0078	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0079	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0080	No	01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	0	1	
GARI0007	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	0	1	
GARI0022	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/16/82	1	10	
GARI0030	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	0	1	
GARI0034	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	0	1	
GARI0041	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/24/81	1	2	
GARI0044	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/17/82	1	9	
GARI0053	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	0	1	
GARI0057	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	12/05/80-08/24/82	1	8	
GARI0061	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	0	1	
GARI0063	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	0	1	
GARI0067	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/19/80	0	1	
GARI0068	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/18/82	1	9	
GARI0073	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/25/81-08/25/81	0	1	
GARI0075	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/19/80	0	1	
GARI0076	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/18/82	1	9	
GARI0077	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/25/81-04/20/82	0	3	
GARI0078	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/18/82	1	8	
GARI0079	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/25/81-08/25/81	0	1	
GARI0080	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/25/81	1	2	
GARI0043	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/79-10/01/79	0	1	
GARI0058	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/02/79-10/02/79	0	1	
GARI0033	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/15/74-10/23/84	10	28	
GARI0043	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/01/79-09/22/88	8	9	
GARI0058	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/01/79-10/01/79	0	1	
GARI0059	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/01/79-10/01/79	0	1	
GARI0066	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/02/79-10/02/79	0	1	
GARI0074	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/72-03/19/84	11	29	
GARI0007	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0061	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/25/81	1	2	
GARI0007	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/24/81	1	2	
GARI0030	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/25/81	1	2	
GARI0033	No	01501	ALPHA, TOTAL	10/05/77-04/28/83	5	15	
GARI0074	No	01501	ALPHA, TOTAL	10/06/77-04/28/83	5	22	
GARI0033	No	01502	ALPHA, TOTAL, COUNTING ERROR	10/05/77-07/06/82	4	6	
GARI0074	No	01502	ALPHA, TOTAL, COUNTING ERROR	10/06/77-05/21/81	3	5	
GARI0033	No	03501	BETA, TOTAL	10/05/77-04/28/83	5	15	
GARI0074	No	03501	BETA, TOTAL	10/06/77-04/28/83	5	22	
GARI0033	No	03502	BETA, TOTAL, COUNTING ERROR	10/05/77-04/28/83	5	15	
GARI0074	No	03502	BETA, TOTAL, COUNTING ERROR	10/06/77-04/28/83	5	21	
GARI0003	No	03639	DIPHENYL HYDRAZINE, 1,2-,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0003	No	03640	ACENAPHTHENE,1,2-DIHYDRO-,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03640	ACENAPHTHENE,1,2-DIHYDRO-,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03641	ACENAPHTHYLENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03641	ACENAPHTHYLENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03642	ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03642	ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03643	BENZIDINE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0003	No	03644	BENZO(A)ANTHRACENE,LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03644	BENZO(A)ANTHRACENE,LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03645	BENZO(B)FLUORANTHENE,LIQUID FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03645	BENZO(B)FLUORANTHENE,LIQUID FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03646	BENZ(K)FLUORANTHENE,LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03646	BENZ(K)FLUORANTHENE,LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03647	BENZO(GHI)PERYLENE,LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03647	BENZO(GHI)PERYLENE,LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03649	BIS(2-CHLOROETHOXY)METHANE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03649	BIS(2-CHLOROETHOXY)METHANE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03650	BIS(2-CHLOROETHYL)ETHER,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03650	BIS(2-CHLOROETHYL)ETHER,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03651	BIS(2-CHLOROISOPROPYL)ETHER,LIQ FRAC,ELUTRIAT UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03651	BIS(2-CHLOROISOPROPYL)ETHER,LIQ FRAC,ELUTRIAT UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03652	BIS(2-ETHYLHEXYL)PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03652	BIS(2-ETHYLHEXYL)PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03653	BROMOPHENYL,4-PHENYL ETHER,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03653	BROMOPHENYL,4-PHENYL ETHER,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03654	N-BUTYL BENZYL PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03654	N-BUTYL BENZYL PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03655	CHLORONAPTHALENE,2-,LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03655	CHLORONAPTHALENE,2-,LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03656	CHLOROPHENYL,4- PHENYL ETHER,LIQ FRAC,ELUTRIA UG/L	08/26/93-08/26/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0050	No	03656	CHLOROPHENYL,4- PHENYL ETHER,LIQ FRAC,ELUTRIA UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03657	CHRYSENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03657	CHRYSENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03658	DIBENZO(A,H)ANTHRACENE,LIQUID FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03658	DIBENZO(A,H)ANTHRACENE,LIQUID FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03659	DI-N-BUTYL PHTHALATE,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03659	DI-N-BUTYL PHTHALATE,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03660	DICHLOROBENZENE,1,2-,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03660	DICHLOROBENZENE,1,2-,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03661	DICHLOROBENZENE,1,3-,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03661	DICHLOROBENZENE,1,3-,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03662	DICHLOROBENZENE,1,4-,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03662	DICHLOROBENZENE,1,4-,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03663	DICHLOROBENZIDENE,3,3-,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03663	DICHLOROBENZIDENE,3,3-,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03664	DIETHYL PHTHALATE, LIQ FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03664	DIETHYL PHTHALATE, LIQ FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03665	DIMETHYL PHTHALATE, LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03665	DIMETHYL PHTHALATE, LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03666	DINITROTOLUENE, 2, 4, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03666	DINITROTOLUENE, 2, 4, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03667	DINITROTOLUENE, 2, 6-, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03667	DINITROTOLUENE, 2, 6-, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03668	DI-N-OCTYL PHTHALATE,LIQUID FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03668	DI-N-OCTYL PHTHALATE,LIQUID FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03669	FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03669	FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03670	FLUORENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03670	FLUORENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03671	HEXACHLOROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03671	HEXACHLOROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03672	HEXACHLOROBUTADIENE, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03672	HEXACHLOROBUTADIENE, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03673	HEXACHLOROCYCLOPENTADIENE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03673	HEXACHLOROCYCLOPENTADIENE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03674	HEXACHLOROETHANE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03674	HEXACHLOROETHANE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03675	INDENO(1,2,3-CD) PYRENE,LIQUID FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03675	INDENO(1,2,3-CD) PYRENE,LIQUID FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03676	ISOPHORONE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03676	ISOPHORONE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03677	NAPHTHALENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03677	NAPHTHALENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03678	NITROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03678	NITROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03679	N-NITROSODIMETHYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03679	N-NITROSODIMETHYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03680	N-NITROSODIPHENYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03680	N-NITROSODIPHENYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03681	N-NITROSO-DI-N-PROPYLAMINE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03681	N-NITROSO-DI-N-PROPYLAMINE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03682	PHENANTHRENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03682	PHENANTHRENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03683	PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03683	PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03684	TRICHLOROBENZENE,1,2,4-, LIQ FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03684	TRICHLOROBENZENE,1,2,4-, LIQ FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03686	ALUMINUM (AL), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03686	ALUMINUM (AL), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03687	ANTIMONY (SB), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03689	BARIUM (BA), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03690	BERYLLIUM (BE), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03690	BERYLLIUM (BE), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03695	IRON (FE), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0050	No	03695	IRON (FE), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03697	MANGANESE (MN), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03697	MANGANESE (MN), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03698	MERCURY (HG), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03698	MERCURY (HG), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03701	SILVER (AG), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0003	No	03704	ZINC (ZN), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03704	ZINC (ZN), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03707	SODIUM (NA), LIQUID FRACTION, ELUTRIATE MG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03707	SODIUM (NA), LIQUID FRACTION, ELUTRIATE MG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03708	CALCIUM (CA), LIQUID FRACTION, ELUTRIATE MG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03708	CALCIUM (CA), LIQUID FRACTION, ELUTRIATE MG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03709	MAGNESIUM (MG), LIQUID FRACTION, ELUTRIATE MG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03709	MAGNESIUM (MG), LIQUID FRACTION, ELUTRIATE MG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03710	POTASSIUM (K), LIQUID FRACTION, ELUTRIATE MG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03710	POTASSIUM (K), LIQUID FRACTION, ELUTRIATE MG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03732	PCB-1254, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03734	ALDRIN, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03735	ALPHA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03736	BETA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03737	GAMMA-BHC (LINDANE),LIQ FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03742	DIELDRIN, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03744	ENDRIN, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03746	ALPHA-ENDOSULFAN, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03748	ENDOSULFAN SULFATE,LIQ FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0050	No	03749	HEPTACHLOR, LIQUID, FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	07/15/86-07/15/86	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0003	No	03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	03763	TRICHLOROPHENOL,2,4,6-,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	0	1	
GARI0050	No	03763	TRICHLOROPHENOL,2,4,6-,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	0	1	
GARI0003	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	5	
GARI0004	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/03/80	1	7	
GARI0008	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	6	
GARI0010	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/10/79	0	5	
GARI0011	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	6	
GARI0013	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	6	
GARI0014	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	5	
GARI0015	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	6	
GARI0017	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	6	
GARI0020	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	6	
GARI0023	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/10/79	0	5	
GARI0026	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/10/79	0	5	
GARI0029	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	6	
GARI0032	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-06/15/79	0	1	
GARI0033	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/15/74-10/23/84	10	43	
GARI0036	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	0	4	
GARI0038	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/10/79	0	3	
GARI0051	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-07/20/79	0	2	
GARI0052	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/16/81	2	14	
GARI0074	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	17	168	A
GARI0033	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/01/75-10/01/75	0	1	
GARI0003	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	5	
GARI0004	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/03/80	1	7	
GARI0008	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	6	
GARI0010	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	0	5	
GARI0011	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	6	
GARI0013	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	6	
GARI0014	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	5	
GARI0015	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	6	
GARI0017	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	6	
GARI0020	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	6	
GARI0023	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	0	5	
GARI0026	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	0	5	
GARI0029	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	6	
GARI0032	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-06/15/79	0	1	
GARI0033	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-10/23/84	38	51	S
GARI0036	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	0	4	
GARI0038	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	0	3	
GARI0042	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/93-06/19/95	2	31	
GARI0045	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/91-06/19/95	4	57	
GARI0051	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-07/20/79	0	2	
GARI0052	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/16/81	2	14	
GARI0069	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/23/91-06/19/95	4	56	
GARI0071	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/91-06/19/95	4	57	
GARI0072	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/23/91-06/19/95	4	55	
GARI0074	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	48	392	A,S
GARI0022	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/17/81-08/16/82	1	7	
GARI0044	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/26/81-08/17/82	1	7	
GARI0060	Yes	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/26/81-08/24/82	1	7	
GARI0068	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	1	7	
GARI0076	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	1	7	
GARI0077	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	04/20/82-04/20/82	0	1	
GARI0078	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	1	6	
GARI0022	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/17/81-08/16/82	1	7	
GARI0044	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/26/81-08/17/82	1	7	
GARI0060	Yes	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/26/81-08/24/82	1	7	
GARI0068	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	1	7	
GARI0076	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	1	7	
GARI0077	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/20/82-04/20/82	0	1	
GARI0078	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	1	6	
GARI0003	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	5	
GARI0004	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/03/80	1	7	

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Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0008	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	6	
GARI0010	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/10/79	0	5	
GARI0011	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	6	
GARI0013	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	6	
GARI0014	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	5	
GARI0015	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	6	
GARI0017	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	6	
GARI0020	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	6	
GARI0023	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/10/79	0	5	
GARI0026	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/10/79	0	5	
GARI0029	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	6	
GARI0032	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-06/15/79	0	1	
GARI0036	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	0	4	
GARI0038	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/10/79	0	3	
GARI0051	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-07/20/79	0	2	
GARI0052	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/16/81	2	14	
GARI0074	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/17/67-10/09/73	6	51	
GARI0003	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/06/81-08/26/93	12	13	
GARI0004	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/11/83-07/06/83	0	5	
GARI0008	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	09/02/81-09/02/81	0	1	
GARI0011	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/22/89-08/16/89	0	8	
GARI0016	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	09/17/88-09/19/88	0	32	
GARI0021	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/03/81-09/02/81	0	5	
GARI0027	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/06/81-08/26/93	12	39	
GARI0043	Yes	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/10/78-08/25/93	15	17	
GARI0050	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	15	152	
GARI0003	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/06/81-08/26/93	12	11	
GARI0004	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/24/83-07/06/83	0	4	
GARI0008	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/02/81-09/02/81	0	1	
GARI0011	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/22/89-08/16/89	0	6	
GARI0016	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/17/88-09/19/88	0	23	
GARI0021	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/03/81-09/02/81	0	5	
GARI0027	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/06/81-08/26/93	12	20	
GARI0043	Yes	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/10/78-08/25/93	15	13	
GARI0050	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	15	101	
GARI0003	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	08/05/81-08/26/93	12	9	
GARI0004	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/24/83-07/06/83	0	4	
GARI0008	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	09/02/81-09/02/81	0	1	
GARI0011	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	06/22/89-08/16/89	0	8	
GARI0016	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	09/17/88-09/19/88	0	32	
GARI0021	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	08/05/81-09/02/81	0	4	
GARI0027	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	08/05/81-08/26/93	12	24	
GARI0043	Yes	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	07/10/78-08/25/93	15	16	
GARI0050	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	06/02/81-08/25/93	12	60	
GARI0005	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/03/73-09/28/73	0	3	
GARI0025	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/03/73-09/28/73	0	3	
GARI0040	No	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/03/73-09/28/73	0	3	
GARI0049	Yes	32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/03/73-09/28/73	0	3	
GARI0003	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/06/81-08/26/93	12	11	
GARI0004	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/24/83-07/06/83	0	4	
GARI0008	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/02/81-09/02/81	0	1	
GARI0011	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/22/89-08/16/89	0	6	
GARI0016	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/17/88-09/19/88	0	23	
GARI0021	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/03/81-09/02/81	0	5	
GARI0027	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/06/81-08/26/93	12	21	
GARI0043	Yes	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/10/78-08/25/93	15	14	
GARI0050	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	15	103	
GARI0003	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/06/81-08/26/93	12	11	
GARI0004	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/24/83-07/06/83	0	4	
GARI0008	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	09/02/81-09/02/81	0	1	
GARI0011	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	06/22/89-08/16/89	0	6	
GARI0016	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	09/17/88-09/19/88	0	23	
GARI0021	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	06/03/81-09/02/81	0	5	
GARI0027	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/06/81-08/26/93	12	16	
GARI0043	Yes	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/10/78-08/25/93	15	13	
GARI0050	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	15	103	
GARI0033	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/06/82-10/23/84	2	10	
GARI0074	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/05/82-10/15/84	2	23	
GARI0039	No	34670	PCB - 1260 WET WGTTISMG/KG	10/17/80-10/17/80	0	2	
GARI0074	No	34670	PCB - 1260 WET WGTTISMG/KG	10/10/78-10/10/78	0	1	
GARI0039	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/17/80-10/17/80	0	2	
GARI0039	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/17/80-10/17/80	0	2	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0074	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/18/78-10/18/78	0	2	
GARI0039	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/17/80-10/17/80	0	2	
GARI0074	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/18/78-10/18/78	0	2	
GARI0039	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/17/80-10/17/80	0	2	
GARI0074	No	39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/18/78-10/18/78	0	2	
GARI0074	No	39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/18/78-10/18/78	0	2	
GARI0039	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/17/80-10/17/80	0	2	
GARI0074	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/18/78-10/18/78	0	2	
GARI0039	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	10/17/80-10/17/80	0	1	
GARI0039	No	39317	P,P' DDT IN FISH OR ANIMAL BY WET WEIGHT UG/KG	10/17/80-10/17/80	0	1	
GARI0039	No	39318	O,P' DDT IN FISH OR ANIMAL BY WET WEIGHT UG/KG	10/17/80-10/17/80	0	1	
GARI0039	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/17/80-10/17/80	0	1	
GARI0074	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/18/78-10/18/78	0	2	
GARI0039	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/17/80-10/17/80	0	2	
GARI0074	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/18/78-10/18/78	0	2	
GARI0039	No	39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	10/17/80-10/17/80	0	2	
GARI0039	No	39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	10/17/80-10/17/80	0	2	
GARI0074	No	39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	10/10/78-10/10/78	0	2	
GARI0001	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/80-10/17/80	0	1	
GARI0002	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/28/81-07/28/81	0	1	
GARI0006	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/60-08/30/60	0	1	
GARI0007	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/15/83	1	2	
GARI0022	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/11/79-03/15/83	3	21	
GARI0024	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/16/84-07/30/84	0	2	
GARI0030	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/14/83	1	2	
GARI0031	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/82-08/16/82	0	1	
GARI0033	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/22/75-10/23/84	9	38	
GARI0034	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/60-03/14/83	22	4	
GARI0037	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/82-08/17/82	0	1	
GARI0041	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/79-03/14/83	3	6	
GARI0044	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/24/80-03/16/83	2	18	
GARI0048	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/24/80-03/24/80	0	1	
GARI0053	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/15/83	1	2	
GARI0055	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/82-08/16/82	0	1	
GARI0056	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/82-08/16/82	0	1	
GARI0057	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/15/83	1	2	
GARI0060	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/26/80-03/16/83	2	18	
GARI0061	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/16/83	1	2	
GARI0062	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/26/80-03/26/80	0	1	
GARI0063	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/15/83	1	2	
GARI0067	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/24/79-08/19/80	1	5	
GARI0068	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/27/66-03/14/83	16	20	
GARI0073	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/81-03/14/83	1	2	
GARI0074	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	10	118	A
GARI0075	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/24/79-08/19/80	1	13	
GARI0076	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/03/61-03/14/83	21	30	
GARI0077	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/81-03/14/83	1	4	
GARI0078	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/24/79-03/14/83	3	19	
GARI0079	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/81-03/14/83	1	2	
GARI0080	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/24/79-03/14/83	3	6	
GARI0001	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/17/80-10/17/80	0	1	
GARI0006	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/30/60-08/30/60	0	1	
GARI0007	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	0	1	
GARI0022	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/20/80-08/16/82	1	10	
GARI0030	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	0	1	
GARI0034	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/30/60-08/24/81	20	4	
GARI0041	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	0	1	
GARI0044	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/30/80-08/17/82	1	9	
GARI0046	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/02/81-08/01/81	0	5	
GARI0053	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	0	1	
GARI0057	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	0	1	
GARI0060	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/80-08/24/82	1	8	
GARI0061	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	0	1	
GARI0063	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	0	1	
GARI0068	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/16/80-08/18/82	1	8	
GARI0073	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/25/81-08/25/81	0	1	
GARI0076	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/03/61-08/18/82	21	9	
GARI0077	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/25/81-04/20/82	0	3	
GARI0078	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/16/80-08/18/82	1	7	
GARI0080	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/25/81-08/25/81	0	1	
GARI0001	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/17/80-10/17/80	0	1	
GARI0002	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/28/81-07/28/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0007	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	0	2	
GARI0022	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/11/79-08/16/82	3	21	
GARI0030	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	0	2	
GARI0031	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/16/82-08/16/82	0	1	
GARI0034	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	0	2	
GARI0037	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/17/82-08/17/82	0	1	
GARI0041	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/25/79-08/24/81	2	6	
GARI0044	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	03/24/80-08/17/82	2	18	
GARI0048	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	03/24/80-03/24/80	0	1	
GARI0053	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	0	2	
GARI0055	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/16/82-08/16/82	0	1	
GARI0056	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	08/16/82-08/16/82	0	1	
GARI0057	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	0	2	
GARI0060	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	03/26/80-08/24/82	2	15	
GARI0061	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-07/20/81	0	1	
GARI0062	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	03/26/80-03/26/80	0	1	
GARI0063	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	0	2	
GARI0067	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/19/80	1	5	
GARI0068	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	03/21/80-08/18/82	2	19	
GARI0073	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/23/81-08/25/81	0	2	
GARI0075	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/19/80	1	13	
GARI0076	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/18/82	3	26	
GARI0077	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/23/81-04/20/82	0	4	
GARI0078	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/18/82	3	16	
GARI0079	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/23/81-07/23/81	0	1	
GARI0080	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/25/81	2	5	
GARI0001	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/17/80-10/17/80	0	1	
GARI0002	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/28/81-07/28/81	0	1	
GARI0006	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/30/60-08/30/60	0	1	
GARI0007	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	0	2	
GARI0022	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/11/79-08/16/82	3	21	
GARI0030	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	0	2	
GARI0031	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/16/82-08/16/82	0	1	
GARI0034	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/30/60-08/24/81	20	5	
GARI0037	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/17/82-08/17/82	0	1	
GARI0041	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/79-08/24/81	2	6	
GARI0044	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/24/80-08/17/82	2	18	
GARI0046	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/02/81-08/01/81	0	5	
GARI0048	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/24/80-03/24/80	0	1	
GARI0053	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	0	2	
GARI0055	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/16/82-08/16/82	0	1	
GARI0056	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/16/82-08/16/82	0	1	
GARI0057	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	0	2	
GARI0060	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/26/80-08/24/82	2	18	
GARI0061	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	0	2	
GARI0062	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/26/80-03/26/80	0	1	
GARI0063	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	0	2	
GARI0067	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/24/79-08/19/80	1	5	
GARI0068	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/27/66-08/18/82	15	20	
GARI0073	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/81-08/25/81	0	2	
GARI0075	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/24/79-08/19/80	1	13	
GARI0076	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/03/61-08/18/82	21	29	
GARI0077	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/81-04/20/82	0	4	
GARI0078	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/24/79-08/18/82	3	19	
GARI0079	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/81-08/25/81	0	2	
GARI0080	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/24/79-08/25/81	2	6	
GARI0033	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/14/76-10/23/84	8	35	
GARI0074	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	8	103	
GARI0033	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	04/22/75-10/23/84	9	22	
GARI0074	No	70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	15	183	A
GARI0001	No	71825	ACIDITY, TOTAL (MG/L AS H)	10/17/80-10/17/80	0	1	
GARI0007	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-08/24/81	0	1	
GARI0022	No	71825	ACIDITY, TOTAL (MG/L AS H)	05/11/79-03/15/83	3	20	
GARI0030	No	71825	ACIDITY, TOTAL (MG/L AS H)	03/04/71-03/16/83	12	5	
GARI0034	No	71825	ACIDITY, TOTAL (MG/L AS H)	04/13/71-03/14/83	11	3	
GARI0041	No	71825	ACIDITY, TOTAL (MG/L AS H)	05/25/79-03/14/83	3	7	
GARI0044	Yes	71825	ACIDITY, TOTAL (MG/L AS H)	03/24/80-03/16/83	2	18	
GARI0048	Yes	71825	ACIDITY, TOTAL (MG/L AS H)	03/24/80-03/24/80	0	1	
GARI0053	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-08/24/81	0	1	
GARI0057	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-08/24/81	0	1	
GARI0060	Yes	71825	ACIDITY, TOTAL (MG/L AS H)	04/13/71-03/16/83	11	19	
GARI0061	Yes	71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-03/16/83	1	2	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0062	Yes	71825	ACIDITY, TOTAL (MG/L AS H)	03/26/80-03/26/80	0	1	
GARI0063	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-08/24/81	0	1	
GARI0067	No	71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-08/19/80	1	5	
GARI0068	No	71825	ACIDITY, TOTAL (MG/L AS H)	03/21/80-03/14/83	2	19	
GARI0073	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/25/81-08/25/81	0	1	
GARI0075	No	71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-08/19/80	1	14	
GARI0076	No	71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-03/14/83	3	30	
GARI0077	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/25/81-04/20/82	0	3	
GARI0078	No	71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-08/18/82	3	18	
GARI0079	No	71825	ACIDITY, TOTAL (MG/L AS H)	08/25/81-08/25/81	0	1	
GARI0080	No	71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-08/25/81	2	5	
GARI0007	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	0	1	
GARI0022	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/08/80-08/16/82	1	8	
GARI0030	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	0	1	
GARI0034	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	0	1	
GARI0041	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	0	1	
GARI0044	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/12/80-08/17/82	1	8	
GARI0046	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/01/81-08/01/81	0	3	
GARI0053	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	0	1	
GARI0057	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	0	1	
GARI0060	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/05/80-08/24/82	1	8	
GARI0061	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	0	1	
GARI0063	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	0	1	
GARI0068	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/05/80-08/18/82	1	8	
GARI0073	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/25/81-08/25/81	0	1	
GARI0076	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	02/24/81-08/18/82	1	7	
GARI0077	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/25/81-04/20/82	0	2	
GARI0078	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	02/24/81-08/18/82	1	6	
GARI0079	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/25/81-08/25/81	0	1	
GARI0080	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/25/81-08/25/81	0	1	
GARI0006	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/30/60-05/03/61	0	2	
GARI0028	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/18/86-05/05/86	0	2	
GARI0034	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/30/60-08/24/81	20	4	
GARI0044	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/05/82-01/05/82	0	1	
GARI0046	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/01/81-07/01/81	0	2	
GARI0053	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/24/81-08/24/81	0	1	
GARI0060	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/05/80-12/05/80	0	1	
GARI0064	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/18/86-05/05/86	0	2	
GARI0065	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/18/86-05/05/86	0	2	
GARI0068	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/27/66-08/18/82	15	5	
GARI0076	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/03/61-10/27/66	5	2	
GARI0078	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/18/82-08/18/82	0	1	
GARI0080	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/25/81-08/25/81	0	1	
GARI0022	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/08/80-12/08/80	0	1	
GARI0034	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/24/81-08/24/81	0	1	
GARI0044	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/12/80-01/05/82	1	2	
GARI0046	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	06/01/81-07/01/81	0	2	
GARI0053	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/24/81-08/24/81	0	1	
GARI0060	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/05/80-12/05/80	0	1	
GARI0068	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/05/80-08/18/82	1	5	
GARI0078	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/18/82-08/18/82	0	1	
GARI0080	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/25/81-08/25/81	0	1	
GARI0028	No	71885	IRON (UG/L AS FE)	04/18/86-05/05/86	0	2	
GARI0064	No	71885	IRON (UG/L AS FE)	04/18/86-05/05/86	0	2	
GARI0065	No	71885	IRON (UG/L AS FE)	04/18/86-05/05/86	0	2	
GARI0003	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/17/76-08/05/81	5	8	
GARI0043	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/15/76-08/31/83	7	14	
GARI0050	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	7	142	
GARI0058	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/79-10/01/79	0	1	
GARI0059	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/79-10/01/79	0	1	
GARI0066	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/02/79-10/02/79	0	1	
GARI0003	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/17/76-08/05/81	5	8	
GARI0027	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/12/80-08/12/80	0	1	
GARI0033	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/15/74-10/23/84	10	28	
GARI0043	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	06/25/74-08/31/83	9	22	
GARI0050	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	8	158	
GARI0058	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/01/79-10/01/79	0	1	
GARI0059	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/01/79-10/01/79	0	1	
GARI0066	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/02/79-10/02/79	0	1	
GARI0074	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/26/70-09/17/84	13	79	
GARI0007	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0022	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/24/81	1	2	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0030	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0034	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0041	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/24/81	1	2	
GARI0044	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0053	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0057	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0060	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0061	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0063	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0067	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-09/10/79	0	1	
GARI0068	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	0	1	
GARI0073	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/25/81-08/25/81	0	1	
GARI0075	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-09/10/79	0	1	
GARI0076	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/25/81	1	2	
GARI0077	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/25/81-08/25/81	0	1	
GARI0078	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/25/81	1	2	
GARI0079	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/25/81-08/25/81	0	1	
GARI0080	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/25/81	1	2	
GARI0039	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/17/80-10/17/80	0	2	
GARI0074	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/18/78-10/18/78	0	2	
GARI0039	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/80-10/17/80	0	2	
GARI0074	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/18/78-10/18/78	0	2	
GARI0039	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/80-10/17/80	0	2	
GARI0074	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/18/78-10/18/78	0	2	
GARI0039	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/80-10/17/80	0	2	
GARI0074	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/18/78-10/18/78	0	2	
GARI0039	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/17/80-10/17/80	0	2	
GARI0074	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/18/78-10/18/78	0	2	
GARI0028	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/18/86-05/05/86	0	2	
GARI0064	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/18/86-05/05/86	0	2	
GARI0065	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/18/86-05/05/86	0	2	
GARI0005	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	04/03/73-09/28/73	0	3	
GARI0025	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	04/03/73-09/28/73	0	3	
GARI0040	No	72025	DEPTH OF POND OR RESERVOIR IN FEET	04/03/73-09/28/73	0	3	
GARI0049	Yes	72025	DEPTH OF POND OR RESERVOIR IN FEET	04/03/73-09/28/73	0	3	
GARI0002	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/28/81-07/28/81	0	1	
GARI0007	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/15/83	1	2	
GARI0022	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/15/83	2	3	
GARI0030	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/14/83	1	2	
GARI0034	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/14/83	1	2	
GARI0041	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/14/83	2	3	
GARI0044	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/16/83	2	8	
GARI0053	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/15/83	1	2	
GARI0057	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/15/83	1	2	
GARI0060	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/21/80-03/16/83	2	5	
GARI0061	Yes	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/16/83	1	2	
GARI0063	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/15/83	1	2	
GARI0067	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/24/79-08/20/80	1	77	
GARI0068	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/08/80-03/14/83	2	10	
GARI0073	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/23/81-03/14/83	1	2	
GARI0076	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/23/81-03/14/83	1	6	
GARI0077	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/14/83-03/14/83	0	1	
GARI0078	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/14/83	2	2	
GARI0079	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/23/81-03/14/83	1	2	
GARI0080	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/14/83	2	3	
GARI0002	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/28/81-07/28/81	0	1	
GARI0007	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	0	1	
GARI0022	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/19/80-07/20/81	0	2	
GARI0030	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	0	1	
GARI0034	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	0	1	
GARI0041	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/19/80-07/20/81	0	2	
GARI0044	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/19/80-07/20/81	0	2	
GARI0053	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	0	1	
GARI0057	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	0	1	
GARI0060	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/21/80-07/20/81	0	2	
GARI0061	Yes	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	0	1	
GARI0063	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	0	1	
GARI0067	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/24/79-08/20/80	1	77	
GARI0068	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/08/80-06/12/81	0	5	
GARI0073	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/23/81-07/23/81	0	1	
GARI0076	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/23/81-07/23/81	0	1	
GARI0078	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/19/80-08/19/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 06/13/45 To 06/22/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
GARI0079	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/23/81-07/23/81	0	1	
GARI0080	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/23/81-07/23/81	0	1	
GARI0039	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/17/80-10/17/80	0	2	
GARI0074	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/18/78-10/18/78	0	2	
GARI0039	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	10/17/80-10/17/80	0	2	
GARI0074	No	81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	10/18/78-10/18/78	0	2	
GARI0039	No	81760	O,P'-DDE IN FISH TISSUE WET WEIGHT MG/KG	10/17/80-10/17/80	0	2	
GARI0022	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	0	1	
GARI0041	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	0	1	
GARI0060	Yes	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/26/80-03/26/80	0	1	
GARI0062	Yes	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/26/80-03/26/80	0	1	
GARI0067	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	0	1	
GARI0068	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	0	1	
GARI0075	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	0	1	
GARI0076	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	0	1	
GARI0078	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	0	1	
GARI0080	No	82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	0	1	
GARI0046	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	03/02/81-07/01/81	0	5	
GARI0028	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/18/86-05/05/86	0	2	
GARI0033	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/75-10/23/84	9	39	
GARI0042	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/07/93-06/19/95	2	36	
GARI0045	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/30/92-06/19/95	3	50	
GARI0064	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/18/86-05/05/86	0	2	
GARI0065	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/18/86-05/05/86	0	2	
GARI0069	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/30/92-06/19/95	3	50	
GARI0071	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/30/92-06/19/95	3	50	
GARI0072	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/30/92-06/19/95	3	49	
GARI0074	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	10	120	A
GARI0003	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/11/83	2	60	
GARI0004	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/24/83	2	70	
GARI0008	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/11/83	2	42	
GARI0021	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/11/83	2	48	
GARI0027	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/24/83	2	74	
GARI0032	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/05/81-05/10/83	2	61	
GARI0035	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/05/81-06/02/81	0	32	
GARI0050	No	82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/05/81-05/24/83	2	81	
GARI0003	No	82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-09/08/82	1	136	
GARI0004	No	82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-07/19/89	8	206	
GARI0008	No	82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-09/02/81	0	32	
GARI0011	No	82537	TURBIDITY,FORWARD SCATTER JTU	06/21/89-07/19/89	0	16	
GARI0021	No	82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-09/08/82	1	52	
GARI0027	No	82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-05/10/83	2	253	
GARI0032	No	82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/07/83	2	433	
GARI0035	No	82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-09/01/81	0	244	
GARI0050	No	82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	8	803	
GARI0028	No	83509	STREAM, WIDTH METER	04/18/86-05/05/86	0	2	
GARI0064	No	83509	STREAM, WIDTH METER	04/18/86-05/05/86	0	2	
GARI0065	No	83509	STREAM, WIDTH METER	04/18/86-05/05/86	0	2	

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

Station-By-Station Results

Station Inventory for Station: GARI0001

NPS Station ID: GARI0001 LAT/LON: 38.299171/ -80.770281 Agency: 112WRD Date Created: 12/02/81
Location: GAULEY R ABV SUMMERSVILLE DAM BLW PERSINGER CR FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 381757080461300
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05050005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05050005 RF1 Mile Point: 0.000 Distance from RF1: 5.40 On/Off RF1:
RF3 Index: 05050005005400.69 RF3 Mile Point: 1.48 Distance from RF3: 0.35 On/Off RF3:
Description:

Parameter Inventory for Station: GARI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/80-10/17/80	1	16.9	16.9	16.9	16.9	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/17/80-10/17/80	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/80-10/17/80	1	146.	146.	146.	146.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/80-10/17/80	1	133.	133.	133.	133.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/17/80-10/17/80	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/17/80-10/17/80	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/17/80-10/17/80	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/80-10/17/80	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/17/80-10/17/80	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/17/80-10/17/80	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/80-10/17/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/17/80-10/17/80	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/80-10/17/80	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	10/17/80-10/17/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/17/80-10/17/80	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/17/80-10/17/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/80-10/17/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/80-10/17/80	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/80-10/17/80	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/80-10/17/80	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/80-10/17/80	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/17/80-10/17/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/17/80-10/17/80	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/80-10/17/80	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/17/80-10/17/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/80-10/17/80	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/17/80-10/17/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/17/80-10/17/80	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	10/17/80-10/17/80	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/17/80-10/17/80	1	320.	320.	320.	320.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/17/80-10/17/80	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/17/80-10/17/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/17/80-10/17/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/17/80-10/17/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/80-10/17/80	1	77.	77.	77.	77.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/17/80-10/17/80	1	73.	73.	73.	73.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/17/80-10/17/80	1	13.5	13.5	13.5	13.5	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/17/80-10/17/80	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

Parameter Inventory for Station: GARI0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71825	ACIDITY, TOTAL (MG/L AS H)	10/17/80-10/17/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	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									
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									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: GARI0002

NPS Station ID: GARI0002
LAT/LON: 38.220837/ -80.793615
Agency: 112WRD
Date Created: 11/07/81
Location: HOMINY CR BLW DEER CR NR CANVAS WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381315080473701
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 1.70
On/Off RF1:
RF3 Index: 05050005000105.17
RF3 Mile Point: 5.36
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/81-07/28/81	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/28/81-07/28/81	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/81-07/28/81	1	179.	179.	179.	179.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/28/81-07/28/81	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/28/81-07/28/81	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/81-07/28/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/81-07/28/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/81-07/28/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/81-07/28/81	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/28/81-07/28/81	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/28/81-07/28/81	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/28/81-07/28/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/28/81-07/28/81	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/28/81-07/28/81	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/28/81-07/28/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/81-07/28/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/81-07/28/81	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/28/81-07/28/81	1	520.	520.	520.	520.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/81-07/28/81	1	560.	560.	560.	560.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/81-07/28/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/28/81-07/28/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/81-07/28/81	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/81-07/28/81	1	50.	50.	50.	50.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/28/81-07/28/81	1	109.	109.	109.	109.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/28/81-07/28/81	1	14.1	14.1	14.1	14.1	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/28/81-07/28/81	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/28/81-07/28/81	1	19.	19.	19.	19.	0.	0.	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/28/81-07/28/81	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a 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						
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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0003

NPS Station ID: GARI0003
LAT/LON: 38.277087/ -80.814420
Agency: 11COEHUN
Date Created: 05/19/76
Location: SUMMERSVILLE RESERVOIR
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0006
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 045.40
HUC: 05050005
Depth of Water: 90
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005035
RF1 Mile Point: 0.390
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005045400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.07
On/Off RF3:
Description:
LOCATED IN SUMMERSVILLE LAKE ON GAULEY R 2200 FT ABOVE THE MOUTH. GRAB SAMPLED BY ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
NICHOLAS COUNTY SUMMERSVILLE WV QUAD

Parameter Inventory for Station: GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	347	21.4	20.797	30.5	9.9	20.402	4.517	14.38	17.5	24.3	26.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/17/76-08/26/93	21	26.	24.619	30.	13.	24.048	4.904	13.8	23.	28.	29.
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/83	155	17.	20.283	82.	0.	345.446	18.586	0.16	3.6	31.	44.6
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-09/01/83	200	62.	60.012	92.	6.	221.412	14.88	40.	52.	69.	75.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/17/76-07/07/83	7	1.6	8.757	29.	0.5	122.24	11.056	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	15	108.	88.467	186.	8.	2998.267	54.756	8.6	14.	122.	158.4
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	309	221.	230.1	490.	-22.	10367.935	101.823	120.	156.5	292.5	386.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	258	69.	67.907	203.	12.	812.801	28.51	35.	48.	82.25	102.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	89	50.	65.404	136.	20.	1352.88	36.782	30.	43.5	116.5	126.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	332	7.6	7.057	9.5	0.	3.063	1.75	5.	6.3	8.	8.7
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	315	6.7	6.7	8.4	5.3	0.243	0.493	6.1	6.3	7.1	7.3
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	315	6.7	6.438	8.4	5.3	0.312	0.559	6.1	6.3	7.1	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	315	0.2	0.365	5.012	0.004	0.231	0.48	0.05	0.079	0.501	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/81-08/26/93	22	3.	10.227	50.	0.5	240.779	15.517	0.5	0.5	10.	44.4
00500	RESIDUE, TOTAL (MG/L)	06/17/76-08/26/93	27	52.	58.222	95.	18.	533.256	23.092	26.4	40.	84.	92.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/17/76-09/28/76	6	29.	37.5	72.	21.	382.7	19.563	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/06/81-08/26/93	22	46.	47.182	92.	18.	399.013	19.975	20.6	32.5	60.	83.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/17/76-08/26/93	27 ##	5.	10.759	38.	0.5	110.603	10.517	1.	2.5	20.	25.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/76-08/26/93	28 ##	0.05	0.052	0.11	0.01	0.001	0.028	0.01	0.031	0.05	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/76-08/26/93	28	0.1	0.165	0.6	0.01	0.023	0.151	0.01	0.05	0.3	0.32
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/17/76-08/26/93	28	0.4	0.397	0.7	0.05	0.033	0.182	0.05	0.225	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/76-08/26/93	28 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.011
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/17/76-08/26/93	28 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/06/81-08/26/93	22	1.	1.886	6.	0.5	2.559	1.6	0.5	0.5	3.	3.91
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/17/76-09/02/81	25	18.	18.33	32.	0.25	62.514	7.907	7.	14.	21.5	30.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/06/81-09/02/81	19	3.	4.053	8.	2.	3.497	1.87	2.	3.	5.	8.
00916	CALCIUM, TOTAL (MG/L AS CA)	06/17/76-09/02/81	25	4.	4.324	8.	1.5	2.479	1.575	2.76	3.3	5.	7.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/06/81-09/02/81	19	1.	1.342	3.	0.5	0.946	0.973	0.5	0.5	2.	3.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/17/76-09/02/81	25	2.	1.76	3.	0.5	0.607	0.779	0.5	1.25	2.	3.
00929	SODIUM, TOTAL (MG/L AS NA)	06/17/76-09/02/81	25	2.	2.06	5.	0.5	1.613	1.27	0.5	1.	3.	4.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/81-09/02/81	19 ##	0.5	1.263	3.	0.5	1.066	1.032	0.5	0.5	2.	3.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/81-09/02/81	19 ##	0.5	0.684	2.	0.5	0.228	0.478	0.5	0.5	0.5	2.
00937	POTASSIUM, TOTAL MG/L AS K)	06/17/76-09/02/81	25	0.7	1.132	3.	0.5	0.783	0.885	0.5	0.5	2.	3.

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

Parameter Inventory for Station: GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	06/17/76-08/26/93	28	2.5	4.75	17.	1.	25.38	5.038	1.	1.	6.75	14.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/76-08/26/93	28	19.	17.893	30.	2.5	65.988	8.123	2.5	13.5	25.	27.
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/06/81-09/02/81	19	26.	26.526	45.	23.	22.485	4.742	23.	24.	27.	28.
01007	BARIUM, TOTAL (UG/L AS BA)	05/06/81-09/02/81	19	29.	30.053	45.	24.	20.386	4.515	25.	27.	32.	34.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/06/81-09/02/81	19 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/06/81-09/02/81	19 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/05/81-09/02/81	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/05/81-09/02/81	7 ##	0.5	1.	4.	0.5	1.75	1.323	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/17/76-09/02/81	13 ##	0.5	11.808	25.	0.5	161.606	12.712	0.5	0.5	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/17/76-09/02/81	13 ##	4.	12.192	25.	0.5	153.231	12.379	0.5	0.5	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	06/17/76-09/02/81	13 ##	2.5	12.885	25.	2.5	136.298	11.675	2.5	2.5	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	06/17/76-09/02/81	13 ##	2.5	12.885	25.	2.5	136.298	11.675	2.5	2.5	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	06/17/76-08/26/93	28	164.	308.143	1565.	50.	127353.238	356.866	50.	100.	379.25	1003.3
01046	IRON, DISSOLVED (UG/L AS FE)	06/17/76-09/02/81	25 ##	50.	58.	200.	50.	975.	31.225	50.	50.	50.	70.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/17/76-09/02/81	13 ##	1.	12.077	25.	1.	155.077	12.453	1.	1.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	06/17/76-09/02/81	13 ##	15.	13.769	25.	1.	129.526	11.381	1.	2.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/76-08/26/93	24	46.	110.542	770.	10.	29246.259	171.015	13.5	25.5	119.75	333.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/76-09/02/81	25	37.	75.84	530.	5.	13413.973	115.819	10.	20.	70.	222.
01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/06/81-09/02/81	19 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01059	THALLIUM, TOTAL (UG/L AS TL)	05/06/81-09/02/81	19 ##	50.	57.842	199.	50.	1168.474	34.183	50.	50.	50.	50.
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/05/81-09/02/81	6 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/05/81-09/02/81	7	6.	13.071	36.	2.5	229.119	15.137	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/17/76-09/02/81	25 ##	25.	31.	50.	25.	118.75	10.897	25.	25.	37.5	50.
01092	ZINC, TOTAL (UG/L AS ZN)	06/17/76-09/02/81	25 ##	25.	238.4	4800.	25.	904901.75	951.263	25.	25.	69.5	160.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/06/81-09/02/81	19 ##	50.	39.474	50.	5.	355.263	18.848	5.	30.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/06/81-09/02/81	19 ##	50.	40.526	50.	5.	355.263	18.848	5.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/17/76-09/02/81	25	216.	228.52	625.	66.	16863.927	129.861	97.2	130.	254.5	443.2
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/17/76-09/02/81	25	70.	107.4	250.	25.	7180.833	84.74	25.	60.	175.	250.
03639	DIPHENYL HYDRAZINE, 1,2-,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03640	ACENAPHTHENE,1,2-DIHYDRO-,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03641	ACENAPHTHYLENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03642	ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03643	BENZIDINE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03644	BENZO(A)ANTHRACENE,LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03645	BENZO(B)FLUORANTHENE,LIQUID FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03646	BENZ(K)FLUORANTHENE,LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03647	BENZO(GHI)PERYLENE,LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03649	BIS(2-CHLOROETHOXY)METHANE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03650	BIS(2-CHLOROETHYL)ETHER,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03651	BIS(2-CHLOROISOPROPYL)ETHER,LIQ FRAC,ELUTRIAT UG/L	08/26/93-08/26/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03652	BIS(2-ETHYLHEXYL)PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03653	BROMOPHENYL,4-PHENYL ETHER,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03654	N-BUTYL BENZYL PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03655	CHLORONAPTHALENE,2-,LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03656	CHLOROPHENYL,4- PHENYL ETHER,LIQ FRAC,ELUTRIA UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03657	CHRYSENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03658	DIBENZO(A,H)ANTHRACENE,LIQUID FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03659	DI-N-BUTYL PHTHALATE,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03660	DICHLOROBENZENE,1,2-,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03661	DICHLOROBENZENE,1,3-,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03662	DICHLOROBENZENE,1,4-,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03663	DICHLOROBENZIDENE,3,3-,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03664	DIETHYL PHTHALATE, LIQ FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03665	DIMETHYL PHTHALATE, LIQUID FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03666	DINITROTOLUENE, 2, 4, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03667	DINITROTOLUENE, 2, 6-, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03668	DI-N-OCTYL PHTHALATE,LIQUID FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03669	FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03670	FLUORENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03671	HEXACHLOROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03672	HEXACHLOROBUTADIENE, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03673	HEXACHLOROCYCLOPENTADIENE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	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

Parameter Inventory for Station: GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
03674	HEXACHLOROETHANE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03675	INDENO(1,2,3-CD) PYRENE,LIQUID FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03676	ISOPHORONE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03677	NAPHTHALENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03678	NITROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03679	N-NITROSODIMETHYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03680	N-NITROSODIPHENYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03681	N-NITROSO-DI-N-PROPYLAMINE,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03682	PHENANTHRENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03683	PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03684	TRICHLOROBENZENE,1,2,4-, LIQ FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03686	ALUMINUM (AL), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1	22.	22.	22.	22.	0.	0.	**	**	**	**
03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
03690	BERYLLIUM (BE), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
03695	IRON (FE), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1	1030.	1030.	1030.	1030.	0.	0.	**	**	**	**
03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
03697	MANGANESE (MN), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1	760.	760.	760.	760.	0.	0.	**	**	**	**
03698	MERCURY (HG), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03701	SILVER (AG), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
03704	ZINC (ZN), LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1	70.	70.	70.	70.	0.	0.	**	**	**	**
03707	SODIUM (NA), LIQUID FRACTION, ELUTRIATE MG/L	08/26/93-08/26/93	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
03708	CALCIUM (CA), LIQUID FRACTION, ELUTRIATE MG/L	08/26/93-08/26/93	1	1.81	1.81	1.81	1.81	0.	0.	**	**	**	**
03709	MAGNESIUM (MG), LIQUID FRACTION, ELUTRIATE MG/L	08/26/93-08/26/93	1	0.88	0.88	0.88	0.88	0.	0.	**	**	**	**
03710	POTASSIUM (K), LIQUID FRACTION, ELUTRIATE MG/L	08/26/93-08/26/93	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	08/26/93-08/26/93	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
03763	TRICHLOROPHENOL,2,4,6-,LIQ FRAC,ELUTRIATE UG/L	08/26/93-08/26/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	5	60.	357.2	955.	1.	215729.2	464.467	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	5	1.778	1.668	2.98	0.	1.733	1.316	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			46.575								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	5	1.	1.2	3.	0.	1.2	1.095	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	5	0.	0.095	0.477	0.	0.046	0.213	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.246								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	5	1.	2.8	11.	0.	21.2	4.604	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	5	0.	0.208	1.041	0.	0.217	0.466	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1.615								

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

Parameter Inventory for Station: GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/06/81-08/26/93	13	2.37	2.305	3.99	0.5	1.377	1.173	0.5	1.285	3.425	3.83
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/06/81-08/26/93	11	2.23	2.12	3.36	0.5	0.844	0.918	0.5	1.86	2.8	3.286
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	08/05/81-08/26/93	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/06/81-08/26/93	11 ##	0.5	0.739	1.85	0.5	0.205	0.453	0.5	0.5	1.	1.736
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/06/81-08/26/93	11	1.5	1.455	1.7	1.2	0.029	0.169	1.2	1.3	1.6	1.68
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/17/76-08/05/81	8 ##	0.5	0.588	1.2	0.5	0.061	0.247	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/17/76-08/05/81	8 ##	0.5	0.962	2.9	0.5	0.7	0.837	**	**	**	**
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/11/83	60	2.35	2.33	6.3	0.	2.898	1.702	0.	0.85	3.5	4.59
82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-09/08/82	136	20.	22.346	60.	4.	232.598	15.251	5.	10.	35.	45.

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

EPA Water Quality Criteria Analysis for Station: GARI0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	7	0	0.00				7	0	0.00						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	332	22	0.07				332	22	0.07						
00400	PH	Other-Hi Lim.	9.	315	0	0.00	9	0	0.00	306	0	0.00						
		Other-Lo Lim.	6.5	315	119	0.38	9	6	0.67	306	113	0.37						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	28	0	0.00				28	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	28	0	0.00				28	0	0.00						
		Drinking Water	250.	28	0	0.00				28	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	28	0	0.00				28	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	19	0	0.00				19	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	19	0	0.00				19	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	19	0	0.00				19	0	0.00						
		Drinking Water	4.	19	0	0.00				19	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	19	0	0.00				19	0	0.00						
		Drinking Water	4.	19	0	0.00				19	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	7	0	0.00				7	0	0.00						
		Drinking Water	5.	7	0	0.00				7	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	1	0.14				7	1	0.14						
		Drinking Water	5.	7	0	0.00				7	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	13	0	0.00				13	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00				13	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	7 &	0	0.00				7	0	0.00						
		Drinking Water	1300.	13	0	0.00				13	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	7 &	0	0.00				7	0	0.00						
		Drinking Water	1300.	13	0	0.00				13	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	13	0	0.00				13	0	0.00						
		Drinking Water	15.	7 &	0	0.00				7	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	13	0	0.00				13	0	0.00						
		Drinking Water	15.	7 &	1	0.14				7	1	0.14						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	19	0	0.00				19	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01059	THALLIUM, TOTAL	Fresh Acute	1400.	19	0	0.00				19	0	0.00						
		Drinking Water	2.	1 &	1	1.00				1	1	1.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	6	0	0.00				6	0	0.00						
		Drinking Water	100.	6	0	0.00				6	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00				7	0	0.00						
		Drinking Water	100.	7	0	0.00				7	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	25	0	0.00				25	0	0.00						
		Drinking Water	5000.	25	0	0.00				25	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	25	3	0.12				25	3	0.12						
		Drinking Water	5000.	25	0	0.00				25	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	19	0	0.00				19	0	0.00						
		Drinking Water	6.	5 &	1	0.20				5	1	0.20						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	19	0	0.00				19	0	0.00						
		Drinking Water	6.	4 &	0	0.00				4	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIA	Drinking Water	0.2	0 &	0	0.00												
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	0	0.00				5	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	0	0.00				5	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	8	0	0.00				8	0	0.00						
		Drinking Water	2.	8	0	0.00				8	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	1	0.13				8	1	0.13						
		Drinking Water	2.	8	1	0.13				8	1	0.13						

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

Annual Analysis for 1976 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	24	17.25	18.004	25.	12.6	15.836	3.979	13.35	14.7	21.1	24.85
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	24	387.	387.75	490.	249.	5322.978	72.959	270.	336.25	454.	483.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	24	7.85	7.9	9.5	5.6	1.466	1.211	6.5	6.825	9.25	9.5
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	24	6.7	6.629	7.1	6.	0.106	0.325	6.1	6.3	6.9	6.95
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	24	6.7	6.503	7.1	6.	0.122	0.349	6.1	6.3	6.9	6.95
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	24	0.2	0.314	1.	0.079	0.069	0.263	0.113	0.126	0.501	0.794

** - Less than 9 observations ## - Computed with 50% or 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 GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	52	20.75	20.179	26.5	11.5	12.352	3.515	15.95	17.625	23.	23.5
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	50	130.	165.82	410.	32.	15382.11	124.025	51.	67.5	170.	399.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	37	8.2	8.262	9.5	7.3	0.2	0.447	7.78	8.	8.5	8.92
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	52	7.	6.877	8.4	5.9	0.296	0.544	6.03	6.35	7.3	7.5
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	52	7.	6.551	8.4	5.9	0.404	0.636	6.03	6.35	7.3	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	52	0.1	0.281	1.259	0.004	0.127	0.357	0.032	0.05	0.455	0.938

** - 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 box-and-whisker plot

Annual Analysis for 1980 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	32	24.75	23.219	30.5	15.	21.271	4.612	16.21	18.75	25.5	30.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	32	367.5	298.594	410.	80.	16169.733	127.16	101.5	140.	400.	410.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	32	62.5	58.438	75.	35.	231.351	15.21	35.	46.25	75.	75.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	32	6.65	6.397	7.9	3.8	1.842	1.357	4.93	5.2	7.7	7.8

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

Annual Analysis for 1981 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	74	20.4	19.723	27.3	11.4	18.402	4.29	14.3	15.2	23.65	25.5
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	62	215.	229.823	371.	-22.	6132.443	78.31	160.3	178.5	247.5	360.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	74	55.5	56.878	135.	12.	896.245	29.937	13.	35.	80.25	90.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	74	7.45	6.905	9.	0.	3.878	1.969	5.	6.1	8.125	8.8
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	74	6.3	6.318	7.3	5.3	0.15	0.387	5.9	6.	6.6	6.8
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	74	6.3	6.147	7.3	5.3	0.18	0.424	5.9	6.	6.6	6.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	74	0.501	0.714	5.012	0.05	0.591	0.769	0.158	0.251	1.	1.259

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

Annual Analysis for 1982 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	62	21.8	20.723	26.4	10.7	16.5	4.062	13.32	18.3	23.8	25.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	51	255.	254.51	322.	162.	1626.215	40.326	194.2	228.	286.	307.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	62	68.	62.887	99.	38.	169.315	13.012	39.	55.75	71.	75.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	62	7.4	7.297	8.5	3.4	0.825	0.908	6.03	7.1	7.925	8.1

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

Annual Analysis for 1982 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	62	6.7	6.689	7.6	6.1	0.098	0.313	6.23	6.575	6.8	7.1
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	62	6.7	6.59	7.6	6.1	0.108	0.328	6.23	6.575	6.8	7.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	62	0.2	0.257	0.794	0.025	0.03	0.173	0.079	0.158	0.267	0.592

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

Annual Analysis for 1983 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	90	22.	21.162	28.6	9.9	23.959	4.895	12.94	17.675	25.025	27.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	90	163.5	185.778	275.	119.	2248.557	47.419	124.1	150.5	230.	252.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	90	82.5	83.8	203.	42.	1008.971	31.764	47.	59.	102.	129.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	90	7.4	6.58	9.4	0.4	4.773	2.185	2.82	5.7	7.9	8.79
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	90	7.	6.83	7.6	5.9	0.214	0.463	6.11	6.375	7.2	7.3
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	90	7.	6.586	7.6	5.9	0.274	0.524	6.11	6.375	7.2	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	90	0.1	0.259	1.259	0.025	0.078	0.279	0.05	0.063	0.424	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 1993 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	13	26.5	26.415	28.3	23.	1.713	1.309	23.84	26.05	27.1	28.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	13	7.7	6.723	8.	1.5	3.804	1.95	2.5	6.1	7.85	8.
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	13	7.6	7.454	7.8	6.7	0.116	0.341	6.82	7.25	7.7	7.8
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	13	7.6	7.308	7.8	6.7	0.139	0.373	6.82	7.25	7.7	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	13	0.025	0.049	0.2	0.016	0.003	0.051	0.016	0.02	0.057	0.16

** - 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: 10/01 to 4/14 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	9	15.5	15.389	19.5	11.5	12.674	3.56	11.5	11.75	19.25	19.5
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	9	400.	392.222	410.	360.	344.444	18.559	360.	375.	410.	410.
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	9	6.3	6.433	7.	6.1	0.118	0.343	6.1	6.1	6.75	7.
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	9	6.3	6.333	7.	6.1	0.129	0.359	6.1	6.1	6.75	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	9	0.501	0.464	0.794	0.1	0.081	0.284	0.1	0.189	0.794	0.794

** - Less than 9 observations ## - Computed with 50% or more 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: 4/15 to 9/30 - Station GARI0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	338	21.5	20.941	30.5	9.9	19.844	4.455	14.6	17.675	24.525	26.21
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/17/76-08/26/93	21	26.	24.619	30.	13.	24.048	4.904	13.8	23.	28.	29.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	15	108.	88.467	186.	8.	2998.267	54.756	8.6	14.	122.	158.4
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	300	216.	225.237	490.	-22.	9855.92	99.277	120.	154.5	278.75	372.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	332	7.6	7.057	9.5	0.	3.063	1.75	5.	6.3	8.	8.7
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	306	6.7	6.708	8.4	5.3	0.245	0.495	6.1	6.3	7.1	7.3
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	306	6.7	6.442	8.4	5.3	0.316	0.562	6.1	6.3	7.1	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	306	0.2	0.362	5.012	0.004	0.235	0.485	0.05	0.079	0.501	0.794

** - Less than 9 observations ## - Computed 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: GARI0004

NPS Station ID: GARI0004
LAT/LON: 38.265616/ -80.816282
Agency: 11COEHUN
Date Created: 05/19/76
Location: SUMMERSVILLE RESERVOIR
FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0005
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.40
HUC: 05050005
Depth of Water: 110
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005034
RF1 Mile Point: 2.820
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005075000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.09
On/Off RF3:
Description:
LOCATED IN SUMMERSVILLE LAKE ON GAULEY R AT THE ROUTE 39 CROSSING, GRAB SAMPLED BY ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
FAYETTE COUNTY SUMMERSVILLE WV QUAD

Parameter Inventory for Station: GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	436	20.	19.735	30.	8.6	20.032	4.476	13.4	16.8	23.1	25.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/16/83	19	24.	23.895	29.	13.	24.766	4.977	13.	23.	28.	29.
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/89	214	22.	25.493	94.	0.	439.806	20.972	0.5	7.475	37.	54.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-07/19/89	271	61.	58.694	97.	0.	344.902	18.572	32.	52.	70.	81.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/16/89	16	134.	113.063	276.	7.	6160.729	78.49	10.5	16.5	145.5	217.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	402	230.	233.928	430.	51.	7687.139	87.676	117.9	184.	274.25	370.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-08/16/83	329	64.	64.678	164.	13.	611.493	24.728	38.	48.	78.	96.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-08/16/89	105	60.	69.724	177.	30.	854.856	29.238	40.	50.	96.5	108.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	426	7.5	7.065	9.6	0.	2.872	1.695	4.97	6.2	8.3	8.8
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	386	6.6	6.61	8.4	5.3	0.256	0.506	6.	6.275	7.	7.3
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	386	6.6	6.339	8.4	5.3	0.329	0.574	6.	6.275	7.	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	386	0.251	0.458	5.012	0.004	0.384	0.619	0.05	0.1	0.534	1.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/11/83-07/06/83	8	5.	8.5	18.	3.	40.571	6.37	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/11/83-07/06/83	8	29.	33.	74.	16.	326.857	18.079	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/11/83-07/06/83	8	23.	25.5	56.	14.	175.714	13.256	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/83-07/06/83	8 ##	5.	9.375	22.	5.	47.125	6.865	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/83-07/06/83	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/83-07/06/83	8	0.15	0.156	0.4	0.05	0.015	0.121	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/11/83-07/06/83	8	0.3	0.281	0.6	0.05	0.046	0.215	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/11/83-07/06/83	8 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/11/83-07/06/83	8 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/83-07/06/83	8 ##	0.5	0.938	2.	0.5	0.46	0.678	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/83-07/06/83	8	13.	14.625	21.	12.	11.696	3.42	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/11/83-07/06/83	8	3.	3.	5.	2.	0.857	0.926	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	05/11/83-07/06/83	8	3.	3.5	5.	3.	0.571	0.756	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/11/83-07/06/83	8	1.	1.125	2.	0.5	0.339	0.582	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/11/83-07/06/83	8	1.	1.375	2.	1.	0.268	0.518	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/11/83-07/06/83	8	2.	1.688	3.	0.5	0.638	0.799	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/11/83-07/06/83	8	1.	1.375	3.	0.5	0.768	0.876	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/11/83-07/06/83	8 ##	0.5	0.625	1.	0.5	0.054	0.231	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	05/11/83-07/06/83	8 ##	0.5	0.813	2.	0.5	0.281	0.53	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/11/83-07/06/83	8 ##	1.	1.25	2.	1.	0.214	0.463	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/11/83-07/06/83	8	19.5	16.5	23.	9.	40.	6.325	**	**	**	**

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

Parameter Inventory for Station: GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/11/83-07/06/83	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	05/11/83-07/06/83	8	6.	8.375	18.	0.5	56.768	7.534	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/11/83-07/06/83	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/11/83-07/06/83	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/11/83-07/06/83	8	200.	312.5	1000.	50.	103392.857	321.548	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/11/83-07/06/83	8 ##	50.	56.25	100.	50.	312.5	17.678	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/11/83-07/06/83	8	35.	73.75	340.	10.	12398.214	111.347	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/11/83-07/06/83	8 ##	5.	51.875	280.	5.	9070.982	95.242	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/11/83-07/06/83	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/11/83-07/06/83	8 ##	25.	29.375	60.	25.	153.125	12.374	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/11/83-07/06/83	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/11/83-07/06/83	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/11/83-07/06/83	8	150.	130.625	210.	25.	3931.696	62.703	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/11/83-07/06/83	8 ##	25.	37.5	80.	25.	542.857	23.299	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/03/80	7	30.	361.714	2000.	1.	537447.238	733.108	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/03/80	7	1.477	1.493	3.301	0.	1.521	1.233	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			31.15								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/03/80	7 ##	1.	7.714	40.	1.	206.571	14.373	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/03/80	7 ##	0.	0.426	1.602	0.	0.377	0.614	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.667								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/03/80	7	2.	2.429	6.	0.	4.286	2.07	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/03/80	7	0.301	0.308	0.778	0.	0.103	0.322	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2.034								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/11/83-07/06/83	5	1.93	2.674	6.94	0.5	6.177	2.485	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/24/83-07/06/83	4 ##	1.315	1.663	3.52	0.5	2.124	1.457	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	05/24/83-07/06/83	4	1.195	1.083	1.44	0.5	0.165	0.407	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/24/83-07/06/83	4	1.56	2.378	5.89	0.5	5.785	2.405	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/24/83-07/06/83	4	1.3	1.325	1.5	1.2	0.016	0.126	**	**	**	**
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/24/83	70	1.9	2.027	5.3	0.	1.808	1.345	0.01	1.075	3.	3.98
82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-07/19/89	206	25.	31.811	250.	3.	797.666	28.243	5.	12.	41.25	80.

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

EPA Water Quality Criteria Analysis for Station: GARI0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	426	25	0.06	14	1	0.07	412	24	0.06						
00400	PH	Other-Hi Lim.	9.	386	0	0.00	14	0	0.00	372	0	0.00						
		Other-Lo Lim.	6.5	386	182	0.47	14	10	0.71	372	172	0.46						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00				8	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00				8	0	0.00						
		Drinking Water	250.	8	0	0.00				8	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00				8	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	8	0	0.00				8	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00				8	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	8	0	0.00				8	0	0.00						
		Drinking Water	4.	8	0	0.00				8	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	8	0	0.00				8	0	0.00						
		Drinking Water	4.	8	0	0.00				8	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	8	0	0.00				8	0	0.00						
		Drinking Water	5000.	8	0	0.00				8	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00				8	0	0.00						
		Drinking Water	5000.	8	0	0.00				8	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	8	0	0.00				8	0	0.00						
		Drinking Water	6.	0 &	0	0.00												
01097	ANTIMONY, TOTAL	Fresh Acute	88.	8	0	0.00				8	0	0.00						
		Drinking Water	6.	0 &	0	0.00												
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	7	1	0.14				7	1	0.14						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	0	0.00				7	0	0.00						

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

Annual Analysis for 1979 - Station GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	66	20.	19.915	26.	12.5	9.949	3.154	16.1	18.	22.25	23.65
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	65	120.	172.354	400.	51.	15352.17	123.904	59.2	65.	297.5	384.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	58	7.75	7.729	9.1	3.9	0.887	0.942	6.4	7.075	8.45	8.8
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	66	6.9	6.75	8.4	5.8	0.311	0.557	6.	6.175	7.1	7.5
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	66	6.9	6.43	8.4	5.8	0.415	0.644	6.	6.175	7.1	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	66	0.126	0.372	1.585	0.004	0.197	0.444	0.032	0.079	0.672	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 1980 - Station GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	50	23.75	22.628	30.	12.	23.256	4.822	15.06	19.175	25.125	29.45
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	48	370.	300.208	430.	80.	16532.934	128.58	99.5	140.	400.	415.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-08/16/83	48	65.	61.354	105.	30.	272.063	16.494	40.	45.	75.	80.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	48	5.8	6.096	7.9	0.5	2.86	1.691	4.88	5.	7.7	7.8

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

Annual Analysis for 1981 - Station GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	97	19.4	18.887	27.	10.1	20.178	4.492	12.02	15.	21.8	25.06
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/89	30	28.	32.017	94.	0.	785.998	28.036	0.	4.625	48.5	79.8
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-07/19/89	79	62.	64.544	97.	38.	186.072	13.641	48.	56.	73.	85.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	80	228.5	247.388	374.	100.	4939.709	70.283	166.4	203.	268.	368.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-08/16/83	97	57.	58.464	125.	13.	844.293	29.057	15.	36.	82.	94.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	97	7.4	6.802	8.9	0.	4.145	2.036	3.64	6.	8.35	8.62
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	97	6.3	6.324	7.4	5.3	0.225	0.474	5.8	6.	6.7	6.92
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	97	6.3	6.081	7.4	5.3	0.284	0.533	5.8	6.	6.7	6.92
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	97	0.501	0.83	5.012	0.04	0.988	0.994	0.121	0.2	1.	1.585

** - Less than 9 observations ## - Computed with 50% or 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 GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	82	20.8	19.866	26.2	9.2	17.67	4.204	12.91	17.075	23.1	24.94
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/89	49	22.	22.959	66.	0.	351.049	18.736	0.1	3.75	36.5	52.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-07/19/89	65	64.	64.092	93.	22.	173.46	13.17	47.2	58.	70.	82.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	68	271.	262.897	330.	148.	1742.541	41.744	210.3	234.25	298.75	313.3
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-08/16/83	82	69.	66.341	111.	37.	262.968	16.216	45.3	53.5	74.	90.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	82	7.	7.023	8.8	3.	1.558	1.248	5.59	6.275	8.1	8.5
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	82	6.6	6.644	8.1	5.8	0.242	0.492	6.03	6.3	6.9	7.37
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	82	6.6	6.427	8.1	5.8	0.29	0.539	6.03	6.3	6.9	7.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	82	0.251	0.374	1.585	0.008	0.13	0.361	0.043	0.126	0.501	0.938

** - 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 box-and-whisker plot

Annual Analysis for 1983 - Station GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	102	17.7	18.255	27.7	8.6	23.555	4.853	12.33	14.5	21.85	25.77
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/89	79	22.	25.781	91.	0.	372.471	19.3	1.	14.	36.	52.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-07/19/89	101	59.	57.455	94.	20.	304.35	17.446	29.	49.5	66.5	81.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	102	218.	208.01	299.	114.	2054.03	45.321	127.4	184.75	234.	266.1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-08/16/83	102	63.5	70.814	164.	43.	763.242	27.627	44.	48.	88.	113.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	102	7.75	7.285	9.6	0.7	3.415	1.848	5.1	6.175	8.6	9.37
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	102	6.7	6.716	7.7	5.7	0.21	0.459	6.2	6.3	7.	7.4
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	102	6.7	6.505	7.7	5.7	0.255	0.505	6.2	6.3	7.	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	102	0.2	0.313	1.995	0.02	0.102	0.319	0.04	0.1	0.501	0.631

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

Annual Analysis for 1989 - Station GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	39	21.7	21.431	25.3	16.	9.29	3.048	17.4	18.5	24.7	25.2
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/89	56	20.5	23.807	80.	0.4	422.265	20.549	1.	6.	39.25	53.1
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-07/19/89	26	33.5	32.231	71.	0.	564.505	23.759	0.	5.75	56.5	62.9
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	39	243.	244.641	267.	225.	175.026	13.23	228.	233.	258.	265.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	39	7.9	7.436	9.1	1.8	2.073	1.44	6.1	6.7	8.3	8.9
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	39	6.6	6.738	7.5	6.3	0.125	0.354	6.4	6.5	7.	7.4
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	39	6.6	6.633	7.5	6.3	0.136	0.369	6.4	6.5	7.	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	39	0.251	0.233	0.501	0.032	0.016	0.128	0.04	0.1	0.316	0.398

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

Seasonal Analysis for Season #1: 10/01 to 4/14 - Station GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	14	17.5	16.393	20.	12.5	10.276	3.206	12.5	12.875	20.	20.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	14	375.	373.571	400.	330.	532.418	23.074	335.	357.5	392.5	400.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	14	6.55	6.486	7.1	3.9	0.655	0.809	5.1	6.3	7.	7.05
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	14	6.25	6.329	6.9	6.	0.095	0.307	6.	6.075	6.6	6.85
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	14	6.247	6.242	6.9	6.	0.103	0.32	6.	6.075	6.6	6.85
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	14	0.566	0.573	1.	0.126	0.106	0.326	0.142	0.251	0.846	1.

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

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	422	20.3	19.846	30.	8.6	19.997	4.472	13.53	16.9	23.5	25.3
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/89	214	22.	25.493	94.	0.	439.806	20.972	0.5	7.475	37.	54.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-07/19/89	271	61.	58.694	97.	0.	344.902	18.572	32.	52.	70.	81.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/16/89	16	134.	113.063	276.	7.	6160.729	78.49	10.5	16.5	145.5	217.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	388	229.	228.889	430.	51.	7216.45	84.95	114.9	181.25	269.	367.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	412	7.5	7.085	9.6	0.	2.937	1.714	4.93	6.2	8.3	8.8
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	372	6.6	6.621	8.4	5.3	0.259	0.509	6.	6.3	7.	7.3
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	372	6.6	6.344	8.4	5.3	0.336	0.58	6.	6.3	7.	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	372	0.251	0.453	5.012	0.004	0.394	0.628	0.05	0.1	0.501	1.
82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-07/19/89	206	25.	31.811	250.	3.	797.666	28.243	5.	12.	41.25	80.

** - Less than 9 observations ## - Computed 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: GARI0005

NPS Station ID: GARI0005 | LAT/LON: 38.266670/ -80.816670 | Agency: 11EPALES | Date Created: / /
Location: SUMMERSVILLE RESERVOIR | FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 540304
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05050005 | Depth of Water: 31 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 05050005034 | RF1 Mile Point: 2.960 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 05050005011300.00 | RF3 Mile Point: 2.51 | Distance from RF3: 0.02 | On/Off RF3:
Description:
NORTHEAST AREA OF LAKE AT JUNCTION OF TWO MAIN RIVERS, NORTH OF NEW BRIDGE AND SOUTH OF OLD BRIDGE (NOW EXPOSED), ABOUT 200 YDS NORTH OF NEW BRIDGE. COMMENTS: 4-3, ULE 13, ONE PER CENT LIGHT AT 6 FT; 6 PER CENT LIGHT AT ONE FT; WATER COLOR AND QUALITY ABOUT SAME AS OTHER SITES. 7-18, ULE 10,

Parameter Inventory for Station: GARI0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/73-09/28/73	20	23.	20.66	27.8	9.1	41.476	6.44	9.11	18.7	25.325	27.18
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	04/03/73-09/28/73	20	108.5	111.55	170.	78.	827.103	28.759	78.	90.	127.	163.6
00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/03/73-09/28/73	3	116.	111.333	180.	38.	5057.333	71.115	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/73-09/28/73	16	72.	67.063	88.	45.	212.996	14.594	45.7	52.75	79.	88.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/73-09/28/73	20	349.	317.25	591.	42.	34123.566	184.726	43.	179.5	471.25	514.
00300	OXYGEN, DISSOLVED MG/L	04/03/73-09/28/73	10	7.7	8.14	11.1	4.1	5.418	2.328	4.29	6.6	11.	11.09
00400	PH (STANDARD UNITS)	04/03/73-09/28/73	12	7.	6.892	7.7	6.1	0.217	0.466	6.16	6.45	7.2	7.55
00400	CONVERTED PH (STANDARD UNITS)	04/03/73-09/28/73	12	6.989	6.667	7.7	6.1	0.272	0.522	6.16	6.45	7.2	7.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/73-09/28/73	12	0.103	0.215	0.794	0.02	0.056	0.236	0.033	0.063	0.361	0.706
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/73-09/28/73	12 ##	7.5	8.5	15.	5.	14.636	3.826	5.	5.	12.	14.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/03/73-09/28/73	12	0.04	0.05	0.09	0.03	0.	0.018	0.033	0.04	0.058	0.087
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/73-09/28/73	12 ##	0.1	0.125	0.2	0.1	0.002	0.045	0.1	0.1	0.175	0.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/03/73-09/28/73	12	0.49	0.547	0.82	0.28	0.048	0.22	0.295	0.33	0.805	0.817
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/73-09/28/73	12	0.015	0.015	0.025	0.011	0.	0.004	0.011	0.012	0.018	0.023
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/73-09/28/73	12	0.005	0.005	0.016	0.002	0.	0.004	0.002	0.003	0.006	0.013
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/03/73-09/28/73	3	4.	3.1	4.9	0.4	5.67	2.381	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	04/03/73-09/28/73	3	50.	48.333	64.	31.	274.333	16.563	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	0	0.00	3	0	0.00	7	0	0.00						
00400	PH	Other-Hi Lim.	9.	12	0	0.00	4	0	0.00	8	0	0.00						
		Other-Lo Lim.	6.5	12	3	0.25	4	0	0.00	8	3	0.38						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	4	0	0.00	8	0	0.00						

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

Station Inventory for Station: GARI0006

NPS Station ID: GARI0006
LAT/LON: 38.270838/ -80.819448
Agency: 112WRD
Date Created: / /
Location: GAULEY RIVER NEAR SUMMERSVILLE, WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03189500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005027
RF1 Mile Point: 3.420
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05050005004003.61
RF3 Mile Point: 7.85
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/60-05/03/61	2	19.	19.	27.5	10.5	144.5	12.021	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/30/60-08/30/60	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/60-05/03/61	2	42.5	42.5	58.	27.	480.5	21.92	**	**	**	**
00400	PH (STANDARD UNITS)	08/30/60-05/03/61	2	6.3	6.3	6.6	6.	0.18	0.424	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/30/60-05/03/61	2	6.204	6.204	6.6	6.	0.199	0.446	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/60-05/03/61	2	0.626	0.626	1.	0.251	0.28	0.529	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/30/60-05/03/61	2	7.	7.	10.	4.	18.	4.243	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/30/60-05/03/61	2	8.5	8.5	12.	5.	24.5	4.95	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/30/60-05/03/61	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/60-05/03/61	2	16.	16.	19.	13.	18.	4.243	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/30/60-05/03/61	2	9.	9.	9.	9.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/30/60-08/30/60	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/60-08/30/60	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/30/60-08/30/60	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/30/60-08/30/60	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/30/60-08/30/60	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/30/60-08/30/60	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/30/60-05/03/61	2	3.	3.	5.	1.	8.	2.828	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/30/60-05/03/61	2	9.	9.	10.	8.	2.	1.414	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/30/60-05/03/61	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/30/60-08/30/60	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/30/60-05/03/61	2	140.	140.	150.	130.	200.	14.142	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/30/60-05/03/61	2	90.	90.	180.	0.	16200.	127.279	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/60-08/30/60	1	34.	34.	34.	34.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/30/60-08/30/60	1	32.	32.	32.	32.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/30/60-08/30/60	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/30/60-05/03/61	2	0.55	0.55	1.	0.1	0.405	0.636	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	1	0.50				2	1	0.50						

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

EPA Water Quality Criteria Analysis for Station: GARI0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				2	0	0.00						
		Drinking Water	250.	2	0	0.00				2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				2	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00				2	0	0.00						

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

Station Inventory for Station: GARI0007

NPS Station ID: GARI0007
LAT/LON: 38.306671/ -80.822781
Agency: 112WRD
Date Created: 11/07/81
Location: R55.0 GLADE CR NR SUMMERSVILLE WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381824080492201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 2.40
On/Off RF1:
RF3 Index: 05050005007000.09
RF3 Mile Point: 0.08
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/15/83	3	17.5	15.167	22.	6.	68.083	8.251	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/15/83	3	2.	12.533	35.	0.6	379.053	19.469	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/15/83	3	96.	96.	112.	80.	256.	16.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/15/83	2	9.5	9.5	10.3	8.7	1.28	1.131	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/81-03/15/83	3	7.4	7.3	7.5	7.	0.07	0.265	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/81-03/15/83	3	7.4	7.243	7.5	7.	0.075	0.274	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/15/83	3	0.04	0.057	0.1	0.032	0.001	0.037	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/15/83	3	6.9	7.133	7.8	6.7	0.343	0.586	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/81-03/15/83	3	6.9	6.944	7.8	6.7	0.397	0.63	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/15/83	3	0.126	0.114	0.2	0.016	0.009	0.092	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	3	20.	18.333	26.	9.	74.333	8.622	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	3	30.	30.667	38.	24.	49.333	7.024	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-03/15/83	2	13.5	13.5	15.	12.	4.5	2.121	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/15/83	3	7.7	7.333	9.2	5.1	4.303	2.074	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/15/83	3	2.8	3.033	3.6	2.7	0.243	0.493	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/15/83	3	2.7	3.5	5.1	2.7	1.92	1.386	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/20/81-03/15/83	3	0.3	0.3	0.4	0.2	0.01	0.1	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/15/83	3	5.	4.667	7.	2.	6.333	2.517	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/15/83	3	15.	15.333	17.	14.	2.333	1.528	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/15/83	3	790.	856.667	1000.	780.	15433.333	124.231	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/15/83	3	850.	963.333	1200.	840.	42033.333	205.02	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/15/83	3	75.	99.	170.	52.	3913.	62.554	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GARI0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	370.	370.	370.	370.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/15/83	3	30.	26.667	40.	10.	233.333	15.275	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/15/83	3	50.	50.	80.	20.	900.	30.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/15/83	3	10.	24.333	54.	9.	660.333	25.697	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	1	52.	52.	52.	52.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	240.	240.	240.	240.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	220.	220.	220.	220.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/15/83	2	61.	61.	63.	59.	8.	2.828	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	1	58.	58.	58.	58.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	2	0.205	0.205	0.32	0.09	0.026	0.163	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	2	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/15/83	2	31.	31.	36.	26.	50.	7.071	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	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.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0008

NPS Station ID: GARI0008
LAT/LON: 38.275059/ -80.824977
Agency: 11COEHUN
Date Created: 05/19/76
Location: SUMMERSVILLE RESERVOIR
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0007
RMI-Indexes: 1021500 007720 15040 2370 1090
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 000.40
HUC: 05050005
Depth of Water: 40
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005028
RF1 Mile Point: 7.680
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005011200.00
RF3 Mile Point: 5.92
Distance from RF3: 0.01
On/Off RF3:
Description:
LOCATED IN SUMMERSVILLE RESERVOIR ON MUDDLETY CR OF GAULEY. GRAB SAM- PLED BY ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
NICHOLAS COUNTY SUMMERSVILLE WV QUAD

Parameter Inventory for Station: GARI0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/01/83	127	24.9	23.459	30.5	11.2	19.247	4.387	15.34	21.4	26.4	27.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-09/01/83	12	28.	27.667	31.	23.	5.152	2.27	23.6	26.25	29.	30.7
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/83	88	15.	22.143	100.	0.	498.565	22.329	0.18	3.925	36.	57.2
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-09/01/83	101	59.	55.655	90.	6.	304.082	17.438	31.	45.5	67.	75.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/07/83-07/07/83	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/16/83	9	85.	79.	156.	7.	3315.75	57.583	7.	10.5	132.	156.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-09/01/83	118	164.5	194.28	385.	80.	7098.562	84.253	116.9	129.	240.	360.1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	123	98.	107.967	363.	16.	3246.605	56.979	55.4	73.	122.	177.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	48.5	48.75	59.	39.	66.917	8.18	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/01/83	127	7.5	7.441	9.2	4.1	0.824	0.908	6.28	7.	8.	8.52
00400	PH (STANDARD UNITS)	06/15/79-09/01/83	112	7.2	7.179	8.4	6.2	0.259	0.509	6.5	6.8	7.4	7.87
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/01/83	112	7.2	6.911	8.4	6.2	0.332	0.576	6.5	6.8	7.4	7.87
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/01/83	112	0.063	0.123	0.631	0.004	0.022	0.147	0.014	0.04	0.158	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/02/81-09/02/81	2 ##	39.25	39.25	78.	0.5	3003.125	54.801	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/02/81-09/02/81	2	92.	92.	124.	60.	2048.	45.255	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/02/81-09/02/81	2	76.	76.	124.	28.	4608.	67.882	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/02/81-09/02/81	2 ##	18.5	18.5	32.	5.	364.5	19.092	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/02/81-09/02/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/02/81-09/02/81	2	0.3	0.3	0.5	0.1	0.08	0.283	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/02/81-09/02/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/02/81-09/02/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/02/81-09/02/81	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/02/81-09/02/81	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/02/81-09/02/81	2	66.5	66.5	83.	50.	544.5	23.335	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/81-09/02/81	2	17.5	17.5	20.	15.	12.5	3.536	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/02/81-09/02/81	2	17.5	17.5	20.	15.	12.5	3.536	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/81-09/02/81	2	4.	4.	6.	2.	8.	2.828	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/02/81-09/02/81	2	5.5	5.5	8.	3.	12.5	3.536	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/02/81-09/02/81	2	10.	10.	17.	3.	98.	9.899	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/81-09/02/81	2	10.	10.	17.	3.	98.	9.899	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/81-09/02/81	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/02/81-09/02/81	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/02/81-09/02/81	2 ##	12.	12.	23.	1.	242.	15.556	**	**	**	**

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Parameter Inventory for Station: GARI0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	09/02/81-09/02/81	2	36.	36.	46.	26.	200.	14.142	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/81-09/02/81	2	35.	35.	49.	21.	392.	19.799	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/02/81-09/02/81	2	81.5	81.5	131.	32.	4900.5	70.004	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	09/02/81-09/02/81	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/02/81-09/02/81	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/02/81-09/02/81	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/02/81-09/02/81	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/02/81-09/02/81	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/02/81-09/02/81	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/02/81-09/02/81	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/02/81-09/02/81	2	9.	9.	11.	7.	8.	2.828	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/02/81-09/02/81	2	7300.	7300.	13200.	1400.	69620000.	8343.86	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/81-09/02/81	2 ##	75.	75.	100.	50.	1250.	35.355	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/02/81-09/02/81	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/02/81-09/02/81	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/02/81-09/02/81	2	360.	360.	620.	100.	135200.	367.696	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/81-09/02/81	2	130.	130.	210.	50.	12800.	113.137	**	**	**	**
01057	THALLIUM, DISSOLVED (UG/L AS TL)	09/02/81-09/02/81	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	09/02/81-09/02/81	2 ##	125.	125.	200.	50.	11250.	106.066	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/02/81-09/02/81	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/02/81-09/02/81	2	10.5	10.5	14.	7.	24.5	4.95	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/02/81-09/02/81	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	09/02/81-09/02/81	2 ##	62.5	62.5	100.	25.	2812.5	53.033	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	09/02/81-09/02/81	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/02/81-09/02/81	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/02/81-09/02/81	2	6565.	6565.	11670.	1460.	52122050.	7219.56	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/02/81-09/02/81	2	70.	70.	80.	60.	200.	14.142	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	6 ##	22.5	242.	805.	1.	131593.6	362.758	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	6 ##	1.272	1.371	2.906	0.	1.653	1.285	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			23.515								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6 ##	0.5	2.	10.	0.	15.6	3.95	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6 ##	0.	0.167	1.	0.	0.167	0.408	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.468								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	6 ##	1.5	6.5	25.	0.	95.5	9.772	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	6 ##	0.151	0.45	1.398	0.	0.366	0.605	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2.817								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	09/02/81-09/02/81	1	5.04	5.04	5.04	5.04	0.	0.	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/02/81-09/02/81	1	4.48	4.48	4.48	4.48	0.	0.	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	09/02/81-09/02/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/02/81-09/02/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	09/02/81-09/02/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/11/83	42	2.9	2.457	5.5	0.	2.82	1.679	0.03	0.775	3.8	4.68
82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-09/02/81	32	32.5	40.156	100.	15.	531.426	23.053	20.	20.	55.	73.5

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

EPA Water Quality Criteria Analysis for Station: GARI0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	127	0	0.00				127	0	0.00						
00400	PH	Other-Hi Lim.	9.	112	0	0.00				112	0	0.00						
		Other-Lo Lim.	6.5	112	16	0.14				112	16	0.14						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				2	0	0.00						
		Drinking Water	250.	2	0	0.00				2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00				2	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00				2	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	2	0	0.00				2	0	0.00						
		Drinking Water	4.	2	0	0.00				2	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00				2	0	0.00						
		Drinking Water	4.	2	0	0.00				2	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	0	0.00				2	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	0	0.00				2	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00				2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00				2	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00				2	0	0.00						
		Drinking Water	1300.	2	0	0.00				2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00				2	0	0.00						
		Drinking Water	1300.	2	0	0.00				2	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00				2	0	0.00						
		Drinking Water	15.	2	0	0.00				2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00				2	0	0.00						
		Drinking Water	15.	2	0	0.00				2	0	0.00						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
		Drinking Water	2.	1 &	1	1.00				1	1	1.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00				2	0	0.00						
		Drinking Water	5000.	2	0	0.00				2	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				2	0	0.00						
		Drinking Water	5000.	2	0	0.00				2	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	2	0	0.00				2	0	0.00						
		Drinking Water	6.	0 &	0	0.00												
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00				2	0	0.00						
		Drinking Water	6.	0 &	0	0.00												
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00				6	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	0	0.00				6	0	0.00						

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

Station Inventory for Station: GARI0009

NPS Station ID: GARI0009 | LAT/LON: 38.297226/ -80.825005 | Agency: 11EPALES | Date Created: / /
Location: MUDDLETY CREEK | FIPS State/County: 54000 WEST VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 5403E1
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05050005 | Depth of Water: 0 | Aquifer:
Major Basin: T/SUMMERSVILLE RES | Elevation: 0 | Water Body Id:
Minor Basin: BANK AT END OF RD 19/11 1.5 NE SUMMERSVI | ECO Region:
RF1 Index: 05050005054 | RF1 Mile Point: 0.690 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 05050005005203.14 | RF3 Mile Point: 3.86 | Distance from RF3: 0.05 | On/Off RF3:
Description:
BANK SAMPLE AT END OF SECONDARY ROAD 19/11 APPROX 1.5 MI NE OF SUMMERS VILLE

Parameter Inventory for Station: GARI0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.033	0.043	0.132	0.019	0.001	0.031	0.019	0.023	0.05	0.106
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.002	0.002	0.004	0.001	0.	0.001	0.001	0.002	0.003	0.004
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.392	0.382	0.504	0.17	0.008	0.091	0.215	0.332	0.45	0.497
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/73-06/10/74	14	0.19	0.227	0.7	0.05	0.035	0.188	0.05	0.05	0.325	0.55
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/73-06/10/74	14	0.395	0.386	0.51	0.18	0.008	0.09	0.22	0.335	0.45	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/73-06/10/74	13	0.015	0.019	0.055	0.003	0.	0.016	0.003	0.008	0.028	0.051
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/73-06/10/74	14 ##	0.003	0.003	0.01	0.003	0.	0.002	0.003	0.003	0.003	0.008

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

EPA Water Quality Criteria Analysis for Station: GARI0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	8	0	0.00	6	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	8	0	0.00	6	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	8	0	0.00	6	0	0.00						

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

Station Inventory for Station: GARI0010

NPS Station ID: GARI0010
LAT/LON: 38.282226/ -80.825615
Agency: 11COEHUN
Date Created: 03/29/80
Location: MUDDELTY CK.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0022
RMI-Indexes: 1021500 007720 15040 2370 1090
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 001.05
HUC: 05050005
Depth of Water: 5
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005028
RF1 Mile Point: 8.080
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005003500.00
RF3 Mile Point: 17.37
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION IS LOCATED ON MUDDELTY CK OF SUMMERSVILLE LAKE. IT IS 1.1 MILES ABOVE THE MOUTH OF MUDDELTY CK. SAMPLED BY THE CORPS OF ENGINEERS
HUNTINGTON WV 304-529-5694 SUMMERSVILLE WV QUAD NICHOLAS COUNTY

Parameter Inventory for Station: GARI0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	4	17.8	18.35	20.4	17.4	1.93	1.389	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	3	370.	380.667	410.	362.	661.333	25.716	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	151.5	157.25	195.	131.	728.25	26.986	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	4	9.85	9.575	9.9	8.7	0.343	0.585	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	4	8.	7.875	8.5	7.	0.422	0.65	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.955	7.504	8.5	7.	0.606	0.778	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	4	0.011	0.031	0.1	0.003	0.002	0.046	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/10/79	5	980.	994.	2000.	45.	908567.5	953.188	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/15/79-09/10/79	5	2.991	2.575	3.301	1.653	0.724	0.851	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			376.259								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	5	113.	87.2	120.	30.	1814.7	42.599	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	5	2.053	1.883	2.079	1.477	0.074	0.272	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			76.308								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/10/79	5	96.	179.	540.	70.	40844.	202.099	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/15/79-09/10/79	5	1.982	2.102	2.732	1.845	0.127	0.357	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			126.504								

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

EPA Water Quality Criteria Analysis for Station: GARI0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
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						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	2	0.40				5	2	0.40						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	0	0.00				5	0	0.00						

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

Station Inventory for Station: GARI0011

NPS Station ID: GARI0011
LAT/LON: 38.280115/ -80.825893
Agency: 11COEHUN
Date Created: 05/19/76
Location: SUMMERSVILLE RESERVOIR
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0008
RMI-Indexes: 1021500 007720 15040 2370 1090
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 001.30
HUC: 05050005
Depth of Water: 20
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005028
RF1 Mile Point: 8.080
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005003402.18
RF3 Mile Point: 2.18
Distance from RF3: 0.02
On/Off RF3:
Description:
LOCATED ON MUDDLETY CK. 1.3 MILES ABOVE THE MOUTH. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
SUMMERSVILLE WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-08/16/89	37	24.3	23.716	26.6	16.8	4.441	2.107	19.92	22.95	25.	25.42
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-10/03/79	2	22.5	22.5	27.	18.	40.5	6.364	**	**	**	**
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	06/21/89-08/16/89	49	16.	22.847	64.	0.5	377.085	19.419	2.	6.	39.	56.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/21/89-07/19/89	16	32.5	35.75	70.	9.	304.467	17.449	12.5	26.	37.25	68.6
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/21/89-08/16/89	4	126.	118.	144.	76.	1072.	32.741	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/16/89	35	220.	232.371	420.	194.	2130.358	46.156	197.	209.	238.	278.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-08/16/89	37	112.	142.081	407.	40.	8767.799	93.637	54.	106.	119.	338.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-08/16/89	37	8.1	8.143	9.3	6.2	0.371	0.609	7.46	7.95	8.6	8.7
00400	PH (STANDARD UNITS)	06/15/79-08/16/89	37	6.9	7.1	8.5	6.4	0.193	0.439	6.68	6.8	7.4	7.74
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-08/16/89	37	6.9	6.945	8.5	6.4	0.218	0.466	6.68	6.8	7.4	7.74
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-08/16/89	37	0.126	0.114	0.398	0.003	0.007	0.083	0.018	0.04	0.158	0.21
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/89-08/16/89	9	30.	30.556	50.	15.	127.778	11.304	15.	22.5	40.	50.
00500	RESIDUE, TOTAL (MG/L)	06/22/89-08/16/89	9	53.	92.111	283.	14.	11395.611	106.75	14.	26.	165.5	283.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/22/89-08/16/89	9	40.	83.667	270.	14.	10079.5	100.397	14.	24.	152.5	270.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/22/89-08/16/89	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/89-08/16/89	9 ##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/89-08/16/89	9	0.2	0.367	1.9	0.1	0.338	0.581	0.1	0.1	0.3	1.9
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/22/89-08/16/89	9	0.3	0.456	1.1	0.2	0.118	0.343	0.2	0.25	0.7	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/89-08/16/89	9	0.018	0.028	0.057	0.005	0.	0.022	0.005	0.011	0.056	0.057
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/22/89-08/16/89	9	2.	1.556	2.	1.	0.278	0.527	1.	1.	2.	2.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/89-08/16/89	9	34.	61.667	175.	26.	3301.	57.454	26.	29.5	96.	175.
00916	CALCIUM, TOTAL (MG/L AS CA)	06/22/89-08/16/89	9	7.8	12.978	35.2	5.9	122.554	11.07	5.9	6.75	19.4	35.2
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/22/89-08/16/89	9	3.5	7.122	21.2	2.8	52.497	7.245	2.8	3.05	11.6	21.2
00929	SODIUM, TOTAL (MG/L AS NA)	06/22/89-08/16/89	9	3.6	4.044	7.	2.6	1.578	1.256	2.6	3.35	4.5	7.
00937	POTASSIUM, TOTAL MG/L AS K)	06/22/89-08/16/89	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/21/89-08/16/89	9	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/89-08/16/89	9	25.	40.222	117.	12.	1656.694	40.703	12.	14.5	68.	117.
01007	BARIUM, TOTAL (UG/L AS BA)	06/22/89-08/16/89	9	34.	38.889	68.	28.	182.611	13.513	28.	30.	46.	68.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/22/89-08/16/89	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045	IRON, TOTAL (UG/L AS FE)	06/22/89-08/16/89	9	132.	148.889	353.	50.	12777.361	113.037	50.	50.	250.5	353.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/22/89-08/16/89	9	33.	76.333	289.	14.	7897.75	88.869	14.	21.	107.5	289.
01092	ZINC, TOTAL (UG/L AS ZN)	06/22/89-08/16/89	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01097	ANTIMONY, TOTAL (UG/L AS SB)	06/22/89-08/16/89	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	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

Parameter Inventory for Station: GARI0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/22/89-08/16/89	9	156.	135.333	254.	25.	5243.5	72.412	25.	64.	182.	254.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	6	29.5	256.833	790.	1.	141492.567	376.155	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	6	1.171	1.346	2.898	0.	1.794	1.339	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			22.207								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	3.5	3.167	6.	0.	8.167	2.858	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	0.5	0.426	0.778	0.	0.14	0.374	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.667								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	6	2.	3.167	10.	0.	13.367	3.656	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	6	0.239	0.347	1.	0.	0.174	0.417	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2.221								
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/22/89-08/16/89	8		5.325	4.678	8.43	1.65	6.522	2.554	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/22/89-08/16/89	6	##	0.95	1.992	4.54	0.5	3.972	1.993	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	06/22/89-08/16/89	8	##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/22/89-08/16/89	6		2.145	2.903	6.24	1.73	3.039	1.743	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	06/22/89-08/16/89	6		1.2	1.267	1.5	1.1	0.023	0.151	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	06/21/89-07/19/89	16		115.	117.5	250.	60.	3100.	55.678	60.	70.	140.	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 time series plot

EPA Water Quality Criteria Analysis for Station: GARI0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	37	0	0.00	1	0	0.00	36	0	0.00						
00400	PH	Other-Hi Lim.	9.	37	0	0.00	1	0	0.00	36	0	0.00						
		Other-Lo Lim.	6.5	37	1	0.03	1	1	1.00	36	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00				9	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00				9	0	0.00						
		Drinking Water	250.	9	0	0.00				9	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00				9	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	9	0	0.00				9	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	9	0	0.00				9	0	0.00						
		Drinking Water	4.	0	& 0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	9	0	0.00				9	0	0.00						
		Drinking Water	5000.	9	0	0.00				9	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	9	0	0.00				9	0	0.00						
		Drinking Water	6.	0	& 0	0.00												
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00				6	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	0	0.00				6	0	0.00						

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

Station Inventory for Station: GARI0012

NPS Station ID: GARI0012
LAT/LON: 38.280115/ -80.825893
Agency: 11COEHUN
Date Created: 09/04/93
Location: PETERS CREEK
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 1SUMW0108
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 016.60
HUC: 05050005
Depth of Water: 40
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 05050005030500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
FROM SUMMERSVILLE DAM, SAMPLED BY CORPS OF ENGINEERS HUNTINGTON WV LOCATED IN WEST VIRGINIA ON PETERS CK OF GAULEY RIVER.
SAMPLES WERE TAKEN FROM LEFT DESCENDING BANK WITH AN AUTOMATIC TEMP. RECORDER, TEMPERATURE WAS MONITORED DURING INITIAL WHITE WATER RELEASES
FROM SUMMERSVILLE DAM. FOR INFO CALL 304-529-5694.

Parameter Inventory for Station: GARI0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/85-10/09/85	977	18.6	18.542	29.2	10.9	12.845	3.584	13.68	15.6	21.65	23.1

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

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

Station Inventory for Station: GARI0013

NPS Station ID: GARI0013
LAT/LON: 38.277505/ -80.827393
Agency: 11COEHUN
Date Created: 03/29/80
Location: MUDDLETY CK.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0021
RMI-Indexes: 1021500 007720 15040 2370 1090
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 000.70
HUC: 05050005
Depth of Water: 40
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 0.910
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005003402.18
RF3 Mile Point: 2.18
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION IS LOCATED ON SUMMERSVILLE LAKE. IT IS ON MUDDLETY 300 FT FROM THE MOUTH OF ARBUCKLE CK. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON.
304-529-5694 SUMMERSVILLE WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	4	24.9	25.1	26.6	24.	1.347	1.16	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	2	325.5	325.5	351.	300.	1300.5	36.062	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	50.	54.25	76.	41.	228.917	15.13	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	4	8.4	8.525	9.1	8.2	0.162	0.403	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.3	7.475	8.3	7.	0.383	0.618	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.204	7.24	8.3	7.	0.456	0.675	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	4	0.063	0.058	0.1	0.005	0.002	0.05	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	6	52.5	491.667	2000.	12.	646185.867	803.857	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	6	1.539	1.914	3.301	1.079	0.981	0.99	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			82.089								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	5.5	4.167	7.	0.	8.567	2.927	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	0.739	0.517	0.845	0.	0.162	0.403	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.286								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	6	4.	6.167	21.	0.	62.567	7.91	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	6	0.423	0.502	1.322	0.	0.333	0.577	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3.177								

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

EPA Water Quality Criteria Analysis for Station: GARI0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
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						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	1	0.17				6	1	0.17						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	0	0.00				6	0	0.00						

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

Station Inventory for Station: GARI0014

NPS Station ID: GARI0014
LAT/LON: 38.277505/ -80.827920
Agency: 11COEHUN
Date Created: 03/29/80
Location: MUDDLETY CK OF SUMMERSVILLE LAKE
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0020
RMI-Indexes: 1021500 007720 15040 2370 1090
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 000.70
HUC: 05050005
Depth of Water: 30
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 0.910
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005003402.18
RF3 Mile Point: 2.18
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION IS ON SUMMERSVILLE LAKE. IT IS 100 FT FROM THE MOUTH OF ARBUCKLE CK. ON MUDDLETY CK. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON.
304-529-5694 SUMMERSVILLE DAM WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	3	24.4	24.967	26.5	24.	1.803	1.343	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	2	320.	320.	360.	280.	3200.	56.569	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	3	46.	45.667	50.	41.	20.333	4.509	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	3	8.6	8.567	9.2	7.9	0.423	0.651	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	3	7.1	7.4	8.3	6.8	0.63	0.794	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	3	7.1	7.092	8.3	6.8	0.773	0.879	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	3	0.079	0.081	0.158	0.005	0.006	0.077	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	5	28.	803.2	3950.	1.	3094732.7	1759.185	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	5	1.447	1.32	3.597	0.	2.185	1.478	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			20.894								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	5	2.	4.2	16.	0.	45.2	6.723	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	5	0.301	0.396	1.204	0.	0.246	0.496	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.491								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	5 ##	1.	12.6	40.	1.	302.3	17.387	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	5 ##	0.	0.581	1.602	0.	0.643	0.802	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3.807								

** - 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: GARI0014

				Total	Exceed	Prop.	----------10/01-4/14----------			----------4/15-9/30----------			----------n/a----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00				3	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	1	0.20				5	1	0.20						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	0	0.00				5	0	0.00						

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

Station Inventory for Station: GARI0015

NPS Station ID: GARI0015
LAT/LON: 38.277505/ -80.828282
Agency: 11COEHUN
Date Created: 03/29/80
Location: ARBUCKLE CK OF SUMMERSVILLE LAKE
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0019
RMI-Indexes: 1021500 007720 15040 2370 1090 0018
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 000.70 000.00
HUC: 05050005
Depth of Water: 20
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 0.910
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005022600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION IS ON SUMMERSVILLE LAKE AT THE MOUTH OF ARBUCKLE CK. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694 SUMMERSVILLE WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	4	24.75	25.2	27.5	23.8	2.927	1.711	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	2	305.	305.	351.	259.	4232.	65.054	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	50.5	54.5	78.	39.	275.	16.583	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	4	8.5	8.575	9.	8.3	0.089	0.299	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.3	7.4	8.2	6.8	0.367	0.606	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.255	7.161	8.2	6.8	0.443	0.665	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	4	0.056	0.069	0.158	0.006	0.004	0.067	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	6	185.5	961.333	3050.	91.	1696201.467	1302.383	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	6	2.224	2.542	3.484	1.959	0.48	0.693	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			348.022								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	3.	3.167	9.	0.	11.367	3.371	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	0.452	0.41	0.954	0.	0.144	0.379	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2.57								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	6	3.5	15.	72.	0.	792.8	28.157	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	6	0.5	0.643	1.857	0.	0.51	0.714	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			4.394								

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

EPA Water Quality Criteria Analysis for Station: GARI0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
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						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	2	0.33				6	2	0.33						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	0	0.00				6	0	0.00						

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

Station Inventory for Station: GARI0016

NPS Station ID: GARI0016
LAT/LON: 38.277615/ -80.829170
Agency: 11COEHUN
Date Created: 09/04/93
Location: GAULEY RIVER
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 1SUMW0109
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 006.20
HUC: 05050005
Depth of Water: 5
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 05050005030500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
FROM SUMMERSVILLE DAM. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON WV LOCATED IN WEST VA ON GAULEY RIVER AT THE BELVA GAGE ON RT 39.
SAMPLES WERE TAKEN FROM RIGHT DESCENDING BANK WITH AN AUTOMATIC TEMP. RECORDER. TEMPERATURE WAS MONITORED DURING INITIAL WHITE WATER RELEASES
FROM SUMMERSVILLE DAM. FOR MORE INFORMATION CALL 304-529-5694.

Parameter Inventory for Station: GARI0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/11/84-09/19/88	1742	20.3	20.224	26.7	12.9	6.55	2.559	17.1	18.1	22.3	23.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/17/88-09/19/88	255	118.	116.682	120.	3.	74.414	8.626	115.	117.	118.	119.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	09/17/88-09/19/88	255	8.2	8.263	9.	7.8	0.067	0.258	8.	8.	8.4	8.6
00400	PH (STANDARD UNITS)	09/17/88-09/19/88	255	7.37	7.381	7.66	4.35	0.045	0.212	7.28	7.31	7.47	7.53
00400	CONVERTED PH (STANDARD UNITS)	09/17/88-09/19/88	255	7.37	6.665	7.66	4.35	0.56	0.749	7.28	7.31	7.47	7.53
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/17/88-09/19/88	255	0.043	0.216	44.668	0.022	7.81	2.795	0.03	0.034	0.049	0.052
00500	RESIDUE, TOTAL (MG/L)	09/17/88-09/19/88	39	2.	3.821	17.	1.	11.941	3.456	1.	2.	5.	9.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/17/88-09/19/88	39 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/17/88-09/19/88	39	0.45	0.451	0.56	0.35	0.001	0.036	0.41	0.43	0.48	0.48
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/17/88-09/19/88	39 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/17/88-09/19/88	39	2.5	2.952	9.	0.013	10.877	3.298	0.014	0.036	6.	8.
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/17/88-09/19/88	39	6.	5.154	7.	3.	2.134	1.461	3.	4.	6.	7.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	09/17/88-09/19/88	32	1.225	1.137	1.78	0.5	0.176	0.42	0.5	0.63	1.463	1.662
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/17/88-09/19/88	23 ##	0.5	0.547	1.06	0.5	0.024	0.154	0.5	0.5	0.5	0.806
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	09/17/88-09/19/88	32 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	09/17/88-09/19/88	23 ##	0.5	0.824	1.68	0.5	0.158	0.397	0.5	0.5	1.17	1.396
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	09/17/88-09/19/88	23	1.3	1.278	1.4	1.2	0.005	0.067	1.2	1.2	1.3	1.4

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

EPA Water Quality Criteria Analysis for Station: GARI0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	255	0	0.00				255	0	0.00						
00400	PH	Other-Hi Lim.	9.	255	0	0.00				255	0	0.00						
		Other-Lo Lim.	6.5	255	1	0.00				255	1	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	39	0	0.00				39	0	0.00						

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

Station Inventory for Station: GARI0017

NPS Station ID: GARI0017
LAT/LON: 38.277615/ -80.829170
Agency: 11COEHUN
Date Created: 05/19/76
Location: ARBUCKLE BRANCH OF MUDDLETY CR.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 1SUMW0009
RMI-Indexes: 1021500 007720
Within Park Boundary: No
RMI-Miles: 0953.80 0624.60
HUC: 05050005
Depth of Water: 5
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 0.910
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005005400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
LOCATED ON ARBUCKLE BRANCH 0.1 MILES ABOVE THE MOUTH. SAMPLED BY THE CORPS OF THE ENGINEERS HUNTINGTON 304-529-5694 SUMMERSVILLE WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	4	16.9	17.175	19.	15.9	2.243	1.497	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	3	310.	330.	395.	285.	3325.	57.663	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	288.5	267.25	290.	202.	1894.25	43.523	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	4	8.5	7.925	9.5	5.2	3.629	1.905	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.7	7.6	7.8	7.2	0.073	0.271	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.7	7.527	7.8	7.2	0.08	0.284	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	4	0.02	0.03	0.063	0.016	0.	0.022	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	6	333.5	553.667	2000.	1.	601205.067	775.374	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	6	2.022	1.793	3.301	0.	1.861	1.364	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			62.119								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	201.5	467.167	2000.	0.	602108.167	775.956	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	1.54	1.497	3.301	0.	2.244	1.498	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.408								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	6	65.5	377.	2000.	0.	636205.6	797.625	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	6	1.057	1.255	3.301	0.	2.077	1.441	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			17.981								

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

EPA Water Quality Criteria Analysis for Station: GARI0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
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						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	1	0.17				6	1	0.17						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	3	0.50				6	3	0.50						

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

Station Inventory for Station: GARI0018

NPS Station ID: GARI0018
LAT/LON: 38.277226/ -80.831948
Agency: 11EPALES
Date Created: / /
Location: ARBUCKLE BRANCH
FIPS State/County: 54000 WEST VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 5403F1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: T/SUMMERSVILLE RES.
Elevation: 0
Water Body Id:
Minor Basin: BANK BELO 'FILTRATION PLANT'
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 0.770
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05050005005400.69
RF3 Mile Point: 1.02
Distance from RF3: 0.01
On/Off RF3:
Description:
BANK SAMPLE BELO 'FILTRATION PLANT' APPROX 75 YDS ABOVE MOUTH

Parameter Inventory for Station: GARI0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.536	2.751	11.8	0.155	15.001	3.873	0.168	0.227	5.2	10.425
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.018	0.02	0.058	0.008	0.	0.014	0.008	0.011	0.023	0.048
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.499	0.459	0.99	0.065	0.082	0.286	0.075	0.203	0.679	0.874
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/73-06/10/74	14	3.	5.889	18.	1.	29.3	5.413	1.1	2.2	9.7	15.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/73-06/10/74	14	0.52	0.477	1.	0.08	0.078	0.28	0.095	0.245	0.69	0.885
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/73-06/10/74	13	0.83	2.957	13.	0.27	16.401	4.05	0.31	0.51	5.05	11.28
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/73-06/10/74	14	0.221	1.736	7.7	0.053	6.827	2.613	0.067	0.105	4.075	6.85

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

EPA Water Quality Criteria Analysis for Station: GARI0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	8	0	0.00	6	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	8	0	0.00	6	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	8	0	0.00	6	0	0.00						

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

Station Inventory for Station: GARI0019

NPS Station ID: GARI0019
LAT/LON: 38.218060/ -80.833338
Agency: 11EPALES
Date Created: / /
Location: HOMINY CREEK
FIPS State/County: 54000 WEST VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 5403B1
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: T/SUMMERSVILLE RES
Elevation: 0
Water Body Id:
Minor Basin: BANK AT END OF RD 2 MI NNE OF MT NEBO
ECO Region:
RF1 Index: 05050005031
RF1 Mile Point: 1.460
Distance from RF1: 7.90
On/Off RF1: OFF
RF3 Index: 05050005054600.00
RF3 Mile Point: 0.84
Distance from RF3: 0.22
On/Off RF3:
Description:
BANK SAMPLE AT END OF SECONDARY ROAD APPROX 2 MI NNE OF MT NEBO

Parameter Inventory for Station: GARI0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/73-06/10/74	13	0.016	0.032	0.21	0.003	0.003	0.055	0.004	0.009	0.028	0.146
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	13	0.001	0.007	0.071	0.001	0.	0.019	0.001	0.001	0.002	0.043
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	13	0.57	0.607	0.96	0.336	0.027	0.165	0.37	0.49	0.725	0.872
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/73-06/10/74	13	0.1	0.242	0.7	0.05	0.064	0.253	0.05	0.05	0.425	0.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/73-06/10/74	13	0.57	0.616	0.96	0.34	0.026	0.161	0.376	0.51	0.725	0.876
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/73-06/10/74	13	0.015	0.017	0.04	0.003	0.	0.012	0.003	0.008	0.025	0.038
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/73-06/10/74	13 ##	0.003	0.005	0.015	0.003	0.	0.005	0.003	0.003	0.005	0.015

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

EPA Water Quality Criteria Analysis for Station: GARI0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	13	0	0.00	7	0	0.00	6	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	13	0	0.00	7	0	0.00	6	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	7	0	0.00	6	0	0.00						

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

Station Inventory for Station: GARI0020

NPS Station ID: GARI0020 | LAT/LON: 38.276254/ -80.834088 | Agency: 11COEHUN | Date Created: 03/29/80
Location: ARBUCKLE BR. | FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 1SUMW0018
RMI-Indexes: 1021500 007720 15040 2370 1090 0018 | Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 000.70 000.40
HUC: 05050005 | Depth of Water: 5 | Aquifer:
Major Basin: OHIO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: KANAWHA RIVER | ECO Region:
RF1 Index: 05050005029 | RF1 Mile Point: 0.770 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 05050005003401.14 | RF3 Mile Point: 1.13 | Distance from RF3: 0.03 | On/Off RF3:
Description:
STATION IS ON ARBUCKLE BR OF MUDDELTY CK. IT IS ABOVE THE TREATMENT . PLANT AND 0.15 MILES BELOW RT. 19. SAMPLED BY THE CORPS OF ENGINEERS
HUNTINGTON WV 304-529-5694 SUMMERSVILLE WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	4	17.	17.	18.5	15.5	2.167	1.472	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	3	190.	189.667	239.	140.	2450.333	49.501	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	250.5	232.	270.	157.	2672.667	51.698	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	4	8.75	8.125	9.8	5.2	4.329	2.081	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.15	7.125	7.5	6.7	0.109	0.33	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.147	7.03	7.5	6.7	0.121	0.348	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	4	0.071	0.093	0.2	0.032	0.005	0.073	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	6	11000.	25566.667	96000.	1200.	1357990666.667	36850.925	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	6	3.801	3.877	4.982	3.079	0.684	0.827	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7531.265								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	3250.	7266.667	20000.	800.	69790666.667	8354.081	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	3.477	3.542	4.301	2.903	0.377	0.614	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3483.085								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	6	650.	1068.333	2300.	360.	723816.667	850.774	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	6	2.813	2.916	3.362	2.556	0.113	0.337	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			824.802								

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

EPA Water Quality Criteria Analysis for Station: GARI0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
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						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	6	1.00				6	6	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	6	1.00				6	6	1.00						

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

Station Inventory for Station: GARI0021

NPS Station ID: GARI0021
LAT/LON: 38.225948/ -80.835503
Agency: 11COEHUN
Date Created: 03/29/80
Location: HOMINY CK.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0013
RMI-Indexes: 1021500 007720 15040 2370 0814
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 040.50 001.10
HUC: 05050005
Depth of Water: 40
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005031
RF1 Mile Point: 0.810
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005012600.00
RF3 Mile Point: 7.06
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION IS LOCATED ON HOMINY CK OF SUMMERSVILLE LAKE 1.1 MILES ABOVE ITS MOUTH. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
MOUNT NEBO WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	163	23.9	22.093	28.8	10.5	22.149	4.706	14.24	18.2	25.8	26.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/79-08/26/93	14	27.	25.571	29.	16.	13.341	3.652	18.5	23.5	28.	28.5
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/16/83	124	20.	24.543	87.	0.	388.849	19.719	1.95	8.225	36.	49.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/14/79-09/01/83	116	60.5	62.129	92.	22.	188.096	13.715	46.	52.5	69.	83.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	14	68.	73.857	186.	8.	3771.209	61.41	8.5	10.	118.5	177.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/14/79-09/01/83	142	183.5	198.261	380.	60.	6739.527	82.095	100.	144.75	247.25	334.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	129	85.	92.659	185.	13.	1564.461	39.553	54.	69.	120.	149.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/14/79-08/26/93	34	94.5	89.529	210.	40.	1544.802	39.304	45.	60.	100.	141.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	163	7.7	7.786	10.4	3.8	1.116	1.056	6.5	7.3	8.4	9.2
00400	PH (STANDARD UNITS)	06/14/79-08/26/93	158	7.2	7.124	8.	6.	0.179	0.423	6.4	6.9	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	06/14/79-08/26/93	158	7.2	6.884	8.	6.	0.237	0.487	6.4	6.9	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/79-08/26/93	158	0.063	0.13	1.	0.01	0.031	0.177	0.025	0.04	0.126	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/81-09/02/81	7	1.	6.214	19.	0.5	55.738	7.466	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/03/81-09/02/81	7	60.	50.	78.	22.	538.667	23.209	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/03/81-09/02/81	7	38.	43.143	78.	22.	462.476	21.505	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/81-09/02/81	7 ##	5.	10.143	24.	5.	77.476	8.802	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/81-09/02/81	7 ##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/03/81-09/02/81	7	0.2	0.207	0.5	0.05	0.024	0.154	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/03/81-09/02/81	7	0.5	0.386	0.6	0.05	0.057	0.239	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/03/81-09/02/81	7 ##	0.005	0.007	0.02	0.005	0.	0.006	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/03/81-09/02/81	7 ##	0.005	0.007	0.02	0.005	0.	0.006	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/03/81-09/02/81	7	1.	1.3	3.	0.5	0.913	0.956	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/03/81-09/02/81	7	21.	25.	32.	18.	36.667	6.055	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/03/81-09/02/81	7	5.	5.571	8.	4.	3.286	1.813	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/03/81-09/02/81	7	5.	6.	8.	4.	2.667	1.633	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/03/81-09/02/81	7	2.	2.214	3.	0.5	0.821	0.906	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/03/81-09/02/81	7	2.	2.429	3.	2.	0.286	0.535	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	06/03/81-09/02/81	7	2.	2.	3.	0.5	1.25	1.118	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/03/81-09/02/81	7	2.	1.714	3.	0.5	1.155	1.075	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/03/81-09/02/81	7 ##	0.5	1.143	2.	0.5	0.643	0.802	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/03/81-09/02/81	7 ##	0.5	1.571	4.	0.5	2.119	1.456	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/03/81-09/02/81	7	7.	9.571	20.	1.	57.286	7.569	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/03/81-09/02/81	7	19.	18.714	30.	2.5	144.488	12.02	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/03/81-09/02/81	7	29.	28.857	34.	25.	13.143	3.625	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	06/03/81-09/02/81	7	30.	32.571	44.	25.	45.619	6.754	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	06/03/81-09/02/81	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/03/81-09/02/81	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/05/81-09/02/81	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/05/81-09/02/81	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/05/81-09/02/81	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/05/81-09/02/81	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/05/81-09/02/81	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/05/81-09/02/81	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/03/81-09/02/81	7	400.	365.286	700.	100.	47774.571	218.574	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/03/81-09/02/81	7 ##	50.	57.143	100.	50.	357.143	18.898	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/05/81-09/02/81	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/05/81-09/02/81	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/03/81-09/02/81	7	42.	38.857	50.	23.	122.143	11.052	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/03/81-09/02/81	7	20.	21.143	40.	12.	85.476	9.245	**	**	**	**
01057	THALLIUM, DISSOLVED (UG/L AS TL)	06/03/81-09/02/81	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	06/03/81-09/02/81	7 ##	50.	115.857	320.	50.	10820.143	104.02	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/05/81-09/02/81	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/05/81-09/02/81	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/03/81-09/02/81	7 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/03/81-09/02/81	7 ##	25.	45.286	102.	25.	1212.238	34.817	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	06/03/81-09/02/81	7 ##	50.	37.143	50.	5.	482.143	21.958	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	06/03/81-09/02/81	7 ##	50.	37.143	50.	5.	482.143	21.958	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/03/81-09/02/81	7	314.	298.714	440.	120.	17354.905	131.738	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/03/81-09/02/81	7	60.	62.143	110.	25.	1440.476	37.954	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	06/03/81-09/02/81	5	1.94	1.782	2.52	0.5	0.576	0.759	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/03/81-09/02/81	5	1.52	1.396	2.	0.5	0.3	0.548	**	**	**	**
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	08/05/81-09/02/81	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	06/03/81-09/02/81	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	06/03/81-09/02/81	5	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/11/83	48	2.05	2.067	6.	0.	1.935	1.391	0.29	0.925	3.05	4.01
82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-09/08/82	52	20.	23.654	86.	4.	237.878	15.423	6.9	15.	40.	40.

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

EPA Water Quality Criteria Analysis for Station: GARI0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	163	2	0.01	3	0	0.00	160	2	0.01						
00400	PH	Other-Hi Lim.	9.	158	0	0.00	3	0	0.00	155	0	0.00						
		Other-Lo Lim.	6.5	158	20	0.13	3	0	0.00	155	20	0.13						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00				7	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00				7	0	0.00						
		Drinking Water	250.	7	0	0.00				7	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00				7	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	7	0	0.00				7	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	7	0	0.00				7	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	7	0	0.00				7	0	0.00						
		Drinking Water	4.	7	0	0.00				7	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	7	0	0.00				7	0	0.00						
		Drinking Water	4.	7	0	0.00				7	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3	0	0.00				3	0	0.00						
		Drinking Water	5.	3	0	0.00				3	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00				3	0	0.00						
		Drinking Water	5.	3	0	0.00				3	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00				3	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00				3	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	3	0	0.00				3	0	0.00						
		Drinking Water	1300.	3	0	0.00				3	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00				3	0	0.00						
		Drinking Water	1300.	3	0	0.00				3	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00				3	0	0.00						
		Drinking Water	15.	3	0	0.00				3	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00				3	0	0.00						
		Drinking Water	15.	3	0	0.00				3	0	0.00						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	7	0	0.00				7	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01059	THALLIUM, TOTAL	Fresh Acute	1400.	7	0	0.00				7	0	0.00						
		Drinking Water	2.	3 &	3	1.00				3	3	1.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00				3	0	0.00						
		Drinking Water	100.	3	0	0.00				3	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00				3	0	0.00						
		Drinking Water	100.	3	0	0.00				3	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	7	0	0.00				7	0	0.00						
		Drinking Water	5000.	7	0	0.00				7	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	7	0	0.00				7	0	0.00						
		Drinking Water	5000.	7	0	0.00				7	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	7	0	0.00				7	0	0.00						
		Drinking Water	6.	2 &	0	0.00				2	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	7	0	0.00				7	0	0.00						
		Drinking Water	6.	2 &	0	0.00				2	0	0.00						

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

Annual Analysis for 1979 - Station GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	21	18.	18.776	24.	11.	18.096	4.254	11.4	16.	23.	24.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/14/79-09/01/83	21	100.	162.095	350.	60.	13780.89	117.392	61.	65.	308.5	336.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	21	9.	9.229	10.	8.2	0.263	0.513	8.7	8.9	9.7	9.98
00400	PH (STANDARD UNITS)	06/14/79-08/26/93	21	7.3	7.19	7.7	6.6	0.087	0.295	6.8	6.9	7.35	7.58
00400	CONVERTED PH (STANDARD UNITS)	06/14/79-08/26/93	21	7.3	7.093	7.7	6.6	0.097	0.311	6.8	6.9	7.35	7.58
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/79-08/26/93	21	0.05	0.081	0.251	0.02	0.003	0.059	0.026	0.045	0.126	0.158

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

Annual Analysis for 1980 - Station GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	4	19.25	19.425	23.6	15.6	17.749	4.213	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/14/79-09/01/83	4	365.	296.25	380.	75.	21822.917	147.726	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	4	7.85	7.425	8.4	5.6	1.629	1.276	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	34	17.	18.726	26.7	13.5	25.574	5.057	13.5	13.6	24.625	25.45
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/14/79-09/01/83	31	188.	235.097	376.	150.	7724.624	87.89	163.4	176.	364.	371.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	34	8.	8.068	9.4	5.7	0.84	0.917	6.75	7.775	8.775	9.3
00400	PH (STANDARD UNITS)	06/14/79-08/26/93	34	6.6	6.671	7.4	6.2	0.083	0.288	6.4	6.4	6.925	7.05
00400	CONVERTED PH (STANDARD UNITS)	06/14/79-08/26/93	34	6.6	6.591	7.4	6.2	0.089	0.299	6.4	6.4	6.925	7.05
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/79-08/26/93	34	0.251	0.256	0.631	0.04	0.02	0.142	0.09	0.119	0.398	0.398

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

Annual Analysis for 1982 - Station GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	18	22.8	22.222	26.2	16.6	8.689	2.948	17.41	19.625	24.6	26.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/14/79-09/01/83	13	254.	235.077	285.	165.	1755.077	41.894	165.8	196.	266.	283.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	18	7.45	7.517	8.8	6.5	0.418	0.646	6.59	7.	7.925	8.53
00400	PH (STANDARD UNITS)	06/14/79-08/26/93	17	7.1	7.147	8.	6.4	0.226	0.476	6.4	6.8	7.5	7.92
00400	CONVERTED PH (STANDARD UNITS)	06/14/79-08/26/93	17	7.1	6.925	8.	6.4	0.279	0.528	6.4	6.8	7.5	7.92
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/79-08/26/93	17	0.079	0.119	0.398	0.01	0.015	0.123	0.012	0.032	0.163	0.398

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

Annual Analysis for 1983 - Station GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	73	24.7	23.958	28.8	10.5	14.353	3.789	19.4	23.3	26.4	27.8
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/14/79-09/01/83	73	171.	181.096	279.	94.	2907.227	53.919	115.	139.5	233.	249.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	73	7.5	7.419	10.4	4.	0.816	0.903	6.34	6.9	7.8	8.2
00400	PH (STANDARD UNITS)	06/14/79-08/26/93	73	7.3	7.258	7.8	6.	0.138	0.372	7.1	7.2	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)	06/14/79-08/26/93	73	7.3	6.981	7.8	6.	0.216	0.465	7.1	7.2	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/79-08/26/93	73	0.05	0.105	1.	0.016	0.044	0.211	0.025	0.032	0.063	0.079

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

Annual Analysis for 1993 - Station GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	13	26.5	26.431	27.2	25.1	0.359	0.599	25.26	26.2	26.9	27.12
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	13	7.7	7.262	7.9	3.8	1.284	1.133	4.8	7.2	7.85	7.9
00400	PH (STANDARD UNITS)	06/14/79-08/26/93	13	7.5	7.423	7.6	7.	0.044	0.209	7.04	7.25	7.6	7.6
00400	CONVERTED PH (STANDARD UNITS)	06/14/79-08/26/93	13	7.5	7.371	7.6	7.	0.046	0.216	7.04	7.25	7.6	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/79-08/26/93	13	0.032	0.043	0.1	0.025	0.001	0.024	0.025	0.025	0.057	0.092

** - Less than 9 observations ## - Computed with 50% or more 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: 10/01 to 4/14 - Station GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	3	11.	11.667	13.	11.	1.333	1.155	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	3	9.	9.033	9.1	9.	0.003	0.058	**	**	**	**
00400	PH (STANDARD UNITS)	06/14/79-08/26/93	3	6.9	6.8	6.9	6.6	0.03	0.173	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/14/79-08/26/93	3	6.9	6.776	6.9	6.6	0.031	0.176	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/79-08/26/93	3	0.126	0.168	0.251	0.126	0.005	0.072	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more 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: 4/15 to 9/30 - Station GARI0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/79-08/26/93	160	24.	22.289	28.8	10.5	20.46	4.523	14.63	19.325	25.875	26.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/79-08/26/93	14	27.	25.571	29.	16.	13.341	3.652	18.5	23.5	28.	28.5
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	14	68.	73.857	186.	8.	3771.209	61.41	8.5	10.	118.5	177.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/14/79-08/26/93	160	7.7	7.763	10.4	3.8	1.107	1.052	6.5	7.3	8.3	9.2
00400	PH (STANDARD UNITS)	06/14/79-08/26/93	155	7.2	7.13	8.	6.	0.18	0.424	6.4	6.9	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	06/14/79-08/26/93	155	7.2	6.887	8.	6.	0.24	0.49	6.4	6.9	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/14/79-08/26/93	155	0.063	0.13	1.	0.01	0.032	0.178	0.025	0.04	0.126	0.398

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

Station Inventory for Station: GARI0022

NPS Station ID: GARI0022 LAT/LON: 38.310837/ -80.835837 Agency: 112WRD Date Created: 06/16/79
Location: R14.0MUDDLETY CR @ HWY 41 BR @ SUMMERSVILLE WV FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 381839080500939
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05050005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05050005 RF1 Mile Point: 0.000 Distance from RF1: 1.10 On/Off RF1:
RF3 Index: 05050005004605.90 RF3 Mile Point: 5.92 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GARI0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/79-09/19/83	23	13.	13.	25.	0.	55.705	7.464	4.4	5.5	20.	23.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/11/79-09/19/83	23	71.	97.63	325.	0.5	9586.459	97.91	7.4	15.	166.	266.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/20/80-10/20/80	1	395.	395.	395.	395.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/11/79-09/19/83	23	230.	250.826	450.	72.	12167.241	110.305	133.2	148.	345.	420.8
00300	OXYGEN, DISSOLVED MG/L	10/07/80-03/15/83	15	10.3	10.087	13.2	7.3	3.69	1.921	7.66	8.3	11.6	13.02
00400	PH (STANDARD UNITS)	05/11/79-09/19/83	23	7.	7.117	8.2	6.7	0.116	0.341	6.8	6.9	7.3	7.6
00400	CONVERTED PH (STANDARD UNITS)	05/11/79-09/19/83	23	7.	7.027	8.2	6.7	0.125	0.353	6.8	6.9	7.3	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/79-09/19/83	23	0.1	0.094	0.2	0.006	0.002	0.049	0.025	0.05	0.126	0.158
00403	PH, LAB, STANDARD UNITS SU	10/07/80-03/15/83	10	7.05	6.97	7.8	5.6	0.327	0.572	5.72	6.8	7.3	7.75
00403	CONVERTED PH, LAB, STANDARD UNITS	10/07/80-03/15/83	10	7.047	6.475	7.8	5.6	0.599	0.774	5.72	6.8	7.3	7.75
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/07/80-03/15/83	10	0.09	0.335	2.512	0.016	0.588	0.767	0.019	0.05	0.158	2.277
00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-06/29/82	14	3.35	3.429	5.4	1.9	1.144	1.069	1.95	2.625	4.075	5.25
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/11/79-03/15/83	21	19.	23.524	58.	10.	179.762	13.408	10.	12.5	38.	40.8
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/07/80-10/20/80	2	23.5	23.5	46.	1.	1012.5	31.82	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/11/79-08/16/82	17	0.	1.324	5.	0.	4.779	2.186	0.	0.	3.75	5.
00440	BICARBONATE ION (MG/L AS HCO3)	10/20/80-06/29/82	13	18.	23.	46.	10.	138.667	11.776	10.8	13.5	32.5	43.6
00445	CARBONATE ION (MG/L AS CO3)	10/20/80-06/29/82	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/08/80-08/16/82	8	0.065	0.054	0.08	0.02	0.001	0.026	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/08/80-08/16/82	8 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/08/80-08/16/82	8	0.5	0.476	0.6	0.005	0.039	0.196	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/08/80-12/03/81	2 ##	0.113	0.113	0.21	0.015	0.019	0.138	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/08/80-08/16/82	8 ##	0.005	0.013	0.07	0.005	0.001	0.023	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/79-03/15/83	22	78.5	96.864	190.	46.	1869.742	43.241	52.3	65.	140.	160.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/11/79-03/15/83	20	59.	69.9	160.	34.	1055.042	32.481	34.8	50.25	90.75	127.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/11/79-03/15/83	22	16.	21.35	44.	9.7	100.476	10.024	11.	14.5	31.	36.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/11/79-03/15/83	22	8.95	10.336	19.	5.2	17.43	4.175	5.89	7.025	15.	16.
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-03/15/83	21	5.7	6.5	15.	2.2	13.929	3.732	2.5	3.2	9.45	12.
00931	SODIUM ADSORPTION RATIO	09/10/79-03/15/83	21	0.2	0.305	0.8	0.1	0.028	0.169	0.12	0.2	0.4	0.56
00932	SODIUM, PERCENT	10/07/80-10/20/80	2	14.	14.	14.	14.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/07/80-10/20/80	2	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/11/79-03/15/83	22	5.	6.091	16.	2.	13.515	3.676	3.	3.75	7.25	13.4
00945	SULFATE, TOTAL (MG/L AS SO4)	05/11/79-03/15/83	22	58.5	72.091	140.	34.	1043.134	32.298	38.6	44.75	100.	130.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/07/80-10/20/80	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/16/82	12	4.75	4.933	5.7	4.	0.272	0.521	4.12	4.625	5.4	5.67
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/24/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/16/82	10	59.5	60.6	80.	50.	110.267	10.501	50.	50.	67.25	79.4

** - 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: GARI0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/16/82	10 ##	0.5	0.495	1.	0.25	0.04	0.199	0.26	0.35	0.5	0.95
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/16/82	10 ##	0.5	0.85	3.	0.5	0.614	0.784	0.5	0.5	1.	2.8
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/24/81	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/24/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/16/82	10 ##	1.5	2.3	4.	1.5	1.178	1.085	1.5	1.5	3.25	4.
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/24/81	2	20.	20.	20.	20.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/16/82	10 ##	5.	5.5	10.	5.	2.5	1.581	5.	5.	5.	9.5
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/24/81	2	11.	11.	20.	2.	162.	12.728	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/11/79-03/15/83	20	695.	818.	2300.	220.	276785.263	526.104	411.	447.5	897.5	1940.
01045	IRON, TOTAL (UG/L AS FE)	05/11/79-03/15/83	22	735.	885.	2300.	360.	228235.714	477.74	526.	615.	925.	1890.
01046	IRON, DISSOLVED (UG/L AS FE)	05/11/79-03/15/83	22	60.	83.705	260.	1.5	4937.159	70.265	16.6	42.5	100.	236.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/16/82	10 ##	5.	7.4	17.	5.	17.822	4.222	5.	5.	10.5	16.5
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/24/81	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/24/81	2	1050.	1050.	1100.	1000.	5000.	70.711	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/11/79-03/15/83	22	10.	11.818	50.	0.	177.489	13.323	0.	0.	20.	30.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/11/79-03/15/83	22	265.	264.091	410.	150.	4491.991	67.022	150.	225.	302.5	347.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/11/79-03/15/83	22	260.	255.	410.	130.	5502.381	74.178	140.	207.5	302.5	357.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/16/82	10 ##	5.	6.1	11.	5.	5.433	2.331	5.	5.	6.25	10.9
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/16/82	10	155.	196.5	530.	95.	17333.611	131.657	96.5	110.	230.	506.
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/16/82	10 ##	3.	3.3	6.	3.	0.9	0.949	3.	3.	3.	5.7
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/16/82	10	16.5	20.8	63.	2.	310.4	17.618	2.6	8.75	27.5	59.9
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/24/81	2	63.5	63.5	90.	37.	1404.5	37.477	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/16/82	10	5.	5.5	10.	2.	6.056	2.461	2.2	4.	7.5	9.9
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/24/81	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/24/81	2	8850.	8850.	15000.	2700.	75645000.	8697.413	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/17/81-08/16/82	7	120.	304.143	1300.	47.	207450.476	455.467	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	02/17/81-08/16/82	7	2.079	2.174	3.114	1.672	0.264	0.514	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			149.388								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/17/81-08/16/82	7	73.	149.857	410.	13.	23651.143	153.789	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/17/81-08/16/82	7	1.863	1.925	2.613	1.114	0.299	0.547	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			84.086								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/11/79-03/15/83	21	123.	138.667	250.	16.	3287.833	57.34	87.6	95.5	182.5	238.2
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/20/80-08/16/82	10	123.5	141.	254.	68.	3804.	61.677	69.8	99.5	193.	251.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/11/79-08/16/82	21	24.9	29.559	79.9	0.33	579.11	24.065	4.638	8.29	43.8	75.58
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/11/79-08/16/82	21	0.18	0.199	0.35	0.02	0.007	0.085	0.12	0.135	0.27	0.34
71825	ACIDITY, TOTAL (MG/L AS H)	05/11/79-03/15/83	20	0.025	0.028	0.1	0.	0.001	0.03	0.	0.	0.05	0.05
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/08/80-08/16/82	8	0.085	0.07	0.1	0.03	0.001	0.031	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/08/80-12/08/80	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/24/81	2 ##	0.003	0.003	0.005	0.	0.	0.004	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/15/83	3	71.	59.333	95.	12.	1824.333	42.712	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/19/80-07/20/81	2	31.86	31.86	63.	0.72	1939.399	44.039	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	1	21.	21.	21.	21.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	11	0	0.00	4	0	0.00						
00400	PH	Other-Hi Lim.	9.	23	0	0.00	13	0	0.00	10	0	0.00						
		Other-Lo Lim.	6.5	23	0	0.00	13	0	0.00	10	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	10	0	0.00	7	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	10	1	0.10	7	1	0.14	3	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	8	0	0.00	6	0	0.00	2	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	8	0	0.00	6	0	0.00	2	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	13	0	0.00	9	0	0.00						
		Drinking Water	250.	22	0	0.00	13	0	0.00	9	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	22	0	0.00	13	0	0.00	9	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	10	0	0.00	6	0	0.00	4	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	4.	10	0	0.00	6	0	0.00	4	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	5.	10	0	0.00	6	0	0.00	4	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	1300.	10	0	0.00	6	0	0.00	4	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	15.	10	1	0.10	6	0	0.00	4	1	0.25						
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	5000.	10	0	0.00	6	0	0.00	4	0	0.00						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	7	2	0.29	5	1	0.20	2	1	0.50						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: GARI0023

NPS Station ID: GARI0023
LAT/LON: 38.276810/ -80.842116
Agency: 11COEHUN
Date Created: 03/29/80
Location: ARBUCKLE BR.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0023
RMI-Indexes: 1021500 007720 15040 2370 1090 0190
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 000.70 000.85
HUC: 05050005
Depth of Water: 5
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05050005005400.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION IS LOCATED ON ARBUCKLE BR. 0.3 MILES ABOVE RT 19. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694 SUMMERSVILLE WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	4	15.75	16.025	18.5	14.1	3.703	1.924	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	3	208.	139.333	240.	-30.	21761.333	147.517	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	152.5	139.75	170.	84.	1553.583	39.416	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	4	8.4	8.3	9.2	7.2	0.68	0.825	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.15	7.15	8.4	5.9	1.057	1.028	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.125	6.452	8.4	5.9	1.706	1.306	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	4	0.075	0.353	1.259	0.004	0.366	0.605	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/10/79	5	6200.	73220.	185000.	2450.	9092400750.	95354.081	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/15/79-09/10/79	5	3.792	4.214	5.267	3.389	0.92	0.959	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			16355.691								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	5	1100.	11408.	52500.	640.	527814320.	22974.21	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	5	3.041	3.368	4.72	2.806	0.594	0.771	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2333.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/10/79	5	3150.	4168.	13000.	520.	26481170.	5145.986	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/15/79-09/10/79	5	3.498	3.321	4.114	2.716	0.363	0.602	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2095.611								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GARI0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
00400	PH	Other-Hi Lim.	9.	4	0	0.00				4	0	0.00						
		Other-Lo Lim.	6.5	4	1	0.25				4	1	0.25						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	5	1.00				5	5	1.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	5	1.00				5	5	1.00						

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

Station Inventory for Station: GARI0024

NPS Station ID: GARI0024 LAT/LON: 38.296949/ -80.843616 Agency: 112WRD Date Created: 09/22/84
Location: K7-A-CMT MUDDLETY CREEK TRIB AT SUMMERSVILLE WV FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 381749080503701
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05050005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05050005 RF1 Mile Point: 0.000 Distance from RF1: 1.00 On/Off RF1:
RF3 Index: 05050005006000.86 RF3 Mile Point: 7.37 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: GARI0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/16/84-07/30/84	2	18.5	18.5	20.5	16.5	8.	2.828	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/16/84-07/30/84	2	21.75	21.75	24.	19.5	10.125	3.182	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/16/84-07/30/84	2	0.16	0.16	0.3	0.02	0.039	0.198	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/16/84-07/30/84	2	325.	325.	360.	290.	2450.	49.497	**	**	**	**
00400	PH (STANDARD UNITS)	05/16/84-07/30/84	2	7.3	7.3	7.4	7.2	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/16/84-07/30/84	2	7.289	7.289	7.4	7.2	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/16/84-07/30/84	2	0.051	0.051	0.063	0.04	0.	0.016	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/16/84-07/30/84	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/16/84-07/30/84	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/16/84-07/30/84	2	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/16/84-07/30/84	2	67.5	67.5	89.	46.	924.5	30.406	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/16/84-07/30/84	2	33.	33.	40.	26.	98.	9.899	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/16/84-07/30/84	2	18.	18.	21.	15.	18.	4.243	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/16/84-07/30/84	2	3.35	3.35	3.8	2.9	0.405	0.636	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/16/84-07/30/84	2	3.3	3.3	3.7	2.9	0.32	0.566	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/16/84-07/30/84	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/16/84-07/30/84	2	94.	94.	110.	78.	512.	22.627	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/16/84-07/30/84	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/16/84-07/30/84	2	2450.	2450.	2600.	2300.	45000.	212.132	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/16/84-07/30/84	2	47.	47.	84.	10.	2738.	52.326	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/16/84-07/30/84	2	2800.	2800.	3600.	2000.	1280000.	1131.371	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/16/84-07/30/84	2	2700.	2700.	3600.	1800.	1620000.	1272.792	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/16/84-07/30/84	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/16/84-07/30/84	2	253.5	253.5	285.	222.	1984.5	44.548	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00400	PH	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						
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						

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

EPA Water Quality Criteria Analysis for Station: GARI0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				2	0	0.00						
		Drinking Water	250.	2	0	0.00				2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				2	0	0.00						

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

Station Inventory for Station: GARI0025

NPS Station ID: GARI0025 | LAT/LON: 38.240003/ -80.849170 | Agency: 11EPALES | Date Created: / /
Location: SUMMERSVILLE RESERVOIR | FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 540303
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05050005 | Depth of Water: 84 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 05050005029 | RF1 Mile Point: 5.010 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 05050005002503.01 | RF3 Mile Point: 3.87 | Distance from RF3: 0.05 | On/Off RF3:
Description:
EAST OF HIGHWAY BRIDGE 60, ABOUT 150 YDS FROM BRIDGE, MID-CHANNEL. ONE FT. WATER COLOR ABOUT SAME AS SITE ONE AND TWO. 7-18, FORRELL 9; 1 SITES 1 AND 2; DEPTH 125 FT. 9-28 ULE 12, VERY CLEAR GREEN; NO SURF

COMMENTS: 4-3, ULE 14, ONE PER CENT LIGHT AT 3 FT; 5 PER CENT LIGHT AT PERCENT LIGHT AT 40 FT; WATER VERY CLEAR, SAME COLOR AND CONDITIONS AS

Parameter Inventory for Station: GARI0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/73-09/28/73	26	20.75	19.231	27.8	7.5	37.837	6.151	9.8	14.625	24.	27.03
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	04/03/73-09/28/73	26	102.	97.308	126.	40.	513.022	22.65	65.1	79.5	114.	124.6
00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/03/73-09/28/73	3	192.	146.	228.	18.	12612.	112.303	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/73-09/28/73	20	66.	63.8	90.	36.	354.905	18.839	37.1	45.25	80.25	88.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/73-09/28/73	26	246.	276.231	604.	50.	34753.545	186.423	52.7	98.25	453.5	493.2
00300	OXYGEN, DISSOLVED MG/L	04/03/73-09/28/73	15	7.2	7.973	11.1	5.	4.348	2.085	5.48	6.3	10.3	11.04
00400	PH (STANDARD UNITS)	04/03/73-09/28/73	18	6.7	6.733	7.2	6.2	0.124	0.351	6.29	6.4	7.1	7.11
00400	CONVERTED PH (STANDARD UNITS)	04/03/73-09/28/73	18	6.689	6.609	7.2	6.2	0.14	0.374	6.29	6.4	7.1	7.11
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/73-09/28/73	18	0.205	0.246	0.631	0.063	0.032	0.178	0.078	0.079	0.398	0.514
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/73-09/28/73	18 ##	5.	8.111	14.	5.	13.163	3.628	5.	5.	12.	12.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/03/73-09/28/73	18	0.055	0.064	0.1	0.04	0.	0.022	0.04	0.048	0.083	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/73-09/28/73	18 ##	0.1	0.133	0.3	0.1	0.005	0.069	0.1	0.1	0.125	0.3
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/03/73-09/28/73	18	0.635	0.588	0.81	0.33	0.035	0.187	0.339	0.38	0.785	0.801
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/73-09/28/73	18	0.012	0.012	0.021	0.008	0.	0.004	0.008	0.009	0.015	0.018
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/73-09/28/73	18	0.006	0.006	0.01	0.002	0.	0.002	0.002	0.004	0.007	0.008
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/03/73-09/28/73	3	2.5	7.467	19.4	0.5	107.803	10.383	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	04/03/73-09/28/73	3	105.	104.667	125.	84.	420.333	20.502	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	5	0	0.00	10	0	0.00						
00400	PH	Other-Hi Lim.	9.	18	0	0.00	6	0	0.00	12	0	0.00						
		Other-Lo Lim.	6.5	18	8	0.44	6	0	0.00	12	8	0.67						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	18	0	0.00	6	0	0.00	12	0	0.00						

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

Station Inventory for Station: GARI0026

NPS Station ID: GARI0026
LAT/LON: 38.278059/ -80.852948
Agency: 11COEHUN
Date Created: 03/29/80
Location: ARBUCKLE BR.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0024
RMI-Indexes: 1021500 007720 15040 2370 1090 0190
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 044.90 000.70 001.55
HUC: 05050005
Depth of Water: 5
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005059
RF1 Mile Point: 15.880
Distance from RF1: 6.50
On/Off RF1: ON
RF3 Index: 05050005022700.00
RF3 Mile Point: 0.07
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION IS LOCATED ON ARBUCKLE BR. OF MUDDELTY CK. IT IS 0.1 MILES ABOVE RT41. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
SUMMERSVILLE WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	4	15.85	16.275	18.1	15.3	1.683	1.297	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-08/17/79	3	230.	215.	240.	175.	1225.	35.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	93.5	91.	120.	57.	671.333	25.91	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	4	9.15	9.35	10.8	8.3	1.137	1.066	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.5	7.7	8.7	7.1	0.507	0.712	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.455	7.422	8.7	7.1	0.61	0.781	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	4	0.035	0.038	0.079	0.002	0.001	0.034	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/10/79	5	10500.	9420.	20000.	550.	76855750.	8766.741	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/15/79-09/10/79	5	4.021	3.599	4.301	2.74	0.624	0.79	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3968.764								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	5	540.	935.	2500.	310.	794225.	891.193	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	5	2.732	2.85	3.398	2.491	0.115	0.339	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			707.189								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/10/79	5	2500.	2730.	6600.	770.	5686700.	2384.68	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/15/79-09/10/79	5	3.398	3.295	3.82	2.886	0.162	0.403	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1970.78								

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

EPA Water Quality Criteria Analysis for Station: GARI0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
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						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	5	3	0.60				5	3	0.60						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	5	1.00				5	5	1.00						

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

Station Inventory for Station: GARI0027

NPS Station ID: GARI0027
LAT/LON: 38.240642/ -80.853449
Agency: 11COEHUN
Date Created: 03/29/80
Location: SUMMERSVILLE LAKE OF GAULEY R.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0012
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 039.60
HUC: 05050005
Depth of Water: 135
Aquifer:
Major Basin: OHIO R
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA R
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 5.320
Distance from RF1: 0.90
On/Off RF1: ON
RF3 Index: 05050005005606.79
RF3 Mile Point: 6.84
Distance from RF3: 0.00
On/Off RF3:
Description:
LOCATED IN THE SUMMERVILLE RESEVOIR OF THE GAULEY RIVER 0.1 MILES ABOVE THE U.S. ROUTE 19 BRIDGE AT THE DEEPEST POINT MOUNT NEBO W.VA. QUAD.
SAMPLED BY THE ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694 NICHOLAS COUNTY

Parameter Inventory for Station: GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	698	19.	18.432	29.5	7.5	21.959	4.686	11.7	15.3	21.4	24.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/17/76-08/26/93	32	22.	21.656	28.	12.	17.91	4.232	13.5	19.	25.	26.7
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/26/93	187	24.	25.81	91.	0.	424.372	20.6	0.78	9.	37.	58.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/03/81-09/01/83	398	67.	66.563	100.	13.	203.017	14.248	51.	59.	74.	85.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/17/76-09/28/76	9	1.	0.911	1.7	0.5	0.189	0.434	0.5	0.5	1.2	1.7
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	15	156.	132.267	264.	12.	10247.067	101.228	13.2	23.	216.	264.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	643	250.	262.059	462.	40.	9131.345	95.558	135.	200.	340.	399.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	493	60.	63.548	150.	14.	534.598	23.121	43.	50.	74.5	88.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	203	60.	63.67	153.	25.	547.658	23.402	40.	50.	80.	92.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	691	7.2	6.865	9.8	0.	3.614	1.901	4.5	6.	8.	9.
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	625	6.5	6.535	7.9	5.2	0.282	0.531	5.9	6.1	6.9	7.2
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	625	6.5	6.234	7.9	5.2	0.372	0.61	5.9	6.1	6.9	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	625	0.316	0.583	6.31	0.013	0.651	0.807	0.063	0.126	0.794	1.259
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/81-08/26/93	55	5.	7.991	36.	0.5	76.819	8.765	0.5	1.	12.	16.8
00500	RESIDUE, TOTAL (MG/L)	06/17/76-08/26/93	63	52.	56.016	134.	12.	572.661	23.93	20.8	38.	72.	85.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/17/76-09/28/76	9	24.	25.	34.	16.	42.75	6.538	16.	19.5	32.5	34.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/06/81-08/26/93	54	46.	43.63	84.	5.	460.275	21.454	18.	23.5	58.5	75.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/17/76-08/26/93	63 ##	5.	13.087	72.	0.5	188.085	13.714	2.5	5.	22.	29.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/76-08/26/93	64 ##	0.05	0.059	0.3	0.01	0.002	0.045	0.025	0.05	0.05	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/76-08/26/93	64	0.1	0.167	1.4	0.01	0.043	0.206	0.05	0.05	0.2	0.35
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/17/76-08/26/93	64	0.4	0.455	3.83	0.05	0.222	0.471	0.05	0.3	0.6	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/76-08/26/93	64 ##	0.005	0.012	0.4	0.005	0.002	0.049	0.005	0.005	0.005	0.01
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/17/76-08/26/93	63 ##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.005
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/06/81-08/26/93	54	1.	1.648	18.	0.5	6.482	2.546	0.5	0.5	2.	3.05
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/17/76-09/01/83	60	21.	20.454	42.	0.25	64.249	8.016	7.2	18.	23.75	30.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/06/81-09/01/83	50	3.	3.94	8.	0.5	3.027	1.74	2.1	3.	5.	6.9
00916	CALCIUM, TOTAL (MG/L AS CA)	06/17/76-09/01/83	61	5.	4.789	12.	0.5	3.184	1.784	3.	4.	6.	6.92
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/06/81-09/01/83	50	1.5	1.49	3.	0.5	0.627	0.792	0.5	1.	2.	2.9
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/17/76-09/01/83	61	2.	1.992	4.	0.5	0.541	0.736	0.6	2.	2.4	3.
00929	SODIUM, TOTAL (MG/L AS NA)	06/17/76-09/01/83	61	2.	3.205	78.	0.5	95.894	9.793	0.5	1.	3.	3.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/06/81-09/01/83	50	1.	1.33	4.	0.5	0.833	0.913	0.5	0.5	2.	2.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/06/81-09/01/83	50 ##	0.5	0.77	3.	0.5	0.318	0.564	0.5	0.5	1.	2.
00937	POTASSIUM, TOTAL MG/L AS K)	06/17/76-09/01/83	61 ##	0.5	1.156	4.	0.5	1.085	1.042	0.5	0.5	1.2	3.

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

Parameter Inventory for Station: GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	06/17/76-08/26/93	64	2.	5.281	20.	1.	36.586	6.049	1.	1.	7.	17.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/76-08/26/93	64	19.	17.789	33.	2.5	68.919	8.302	2.5	11.25	26.	28.
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/06/81-09/01/83	50	27.	22.09	40.	0.5	158.15	12.576	0.5	15.5	30.	35.8
01007	BARIUM, TOTAL (UG/L AS BA)	05/06/81-09/01/83	50	31.	27.07	49.	0.5	149.582	12.23	5.1	21.	34.	41.6
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/06/81-09/01/83	50 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/06/81-09/01/83	50 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/05/81-09/02/81	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	08/12/80-09/02/81	14 ##	0.5	0.929	5.	0.5	1.533	1.238	0.5	0.5	0.5	3.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/17/76-09/02/81	22 ##	0.5	10.523	25.	0.5	152.011	12.329	0.5	0.5	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/17/76-09/02/81	24 ##	1.75	11.	25.	0.5	147.087	12.128	0.5	0.5	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	06/17/76-09/02/81	22 ##	2.5	11.705	25.	2.5	128.206	11.323	2.5	2.5	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	06/17/76-09/02/81	23 ##	9.	13.217	25.	2.5	117.428	10.836	2.5	2.5	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	06/17/76-08/26/93	65	200.	268.646	1500.	12.	94075.295	306.717	50.	50.	362.	675.8
01046	IRON, DISSOLVED (UG/L AS FE)	06/17/76-09/01/83	60 ##	50.	67.633	700.	50.	7950.44	89.165	50.	50.	50.	50.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/17/76-09/02/81	22 ##	1.	10.818	25.	1.	145.87	12.078	1.	1.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	06/17/76-09/02/81	23 ##	6.	12.	25.	1.	138.273	11.759	1.	1.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/76-08/26/93	58	35.	110.466	1630.	2.	67930.288	260.634	5.	5.75	89.5	195.1
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/76-09/01/83	60	30.	86.633	1630.	5.	53423.592	231.135	5.	5.	66.75	156.5
01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/06/81-09/02/81	34 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01059	THALLIUM, TOTAL (UG/L AS TL)	05/06/81-09/02/81	33 ##	50.	72.424	318.	50.	3266.564	57.154	50.	50.	50.	157.4
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/05/81-09/02/81	13 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01067	NICKEL, TOTAL (UG/L AS NI)	08/12/80-09/02/81	14 ##	2.5	4.214	13.	2.5	10.143	3.185	2.5	2.5	6.25	10.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/17/76-09/01/83	59 ##	25.	31.78	200.	25.	578.244	24.047	25.	25.	25.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	06/17/76-09/01/83	60 ##	25.	46.9	470.	25.	3827.007	61.863	25.	25.	50.	97.8
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/06/81-09/01/83	50 ##	50.	44.6	50.	5.	218.204	14.772	5.	50.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/06/81-09/01/83	50 ##	50.	43.7	50.	5.	248.786	15.773	5.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/17/76-09/01/83	60	200.	216.6	1172.	25.	31873.125	178.53	61.	98.5	250.	378.6
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/17/76-09/01/83	59	70.	91.424	250.	25.	5401.524	73.495	25.	50.	96.	250.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	05/06/81-08/26/93	39	1.17	1.431	5.43	0.5	1.112	1.055	0.5	0.5	1.93	2.48
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/06/81-08/26/93	20 ##	0.5	1.123	3.12	0.5	0.7	0.837	0.5	0.5	1.6	2.805
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	08/05/81-08/26/93	24 ##	0.5	0.892	2.95	0.5	0.558	0.747	0.5	0.5	0.935	2.16
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/06/81-08/26/93	21 ##	0.5	1.123	6.08	0.5	2.058	1.435	0.5	0.5	1.07	3.802
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	05/06/81-08/26/93	16	1.4	1.381	1.7	1.	0.048	0.22	1.	1.2	1.6	1.63
71900	MERCURY, TOTAL (UG/L AS HG)	08/12/80-08/12/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/06/81-05/24/83	74	1.6	2.177	6.3	0.	2.854	1.689	0.1	1.075	3.05	4.8
82537	TURBIDITY,FORWARD SCATTER JTU	05/06/81-05/10/83	253	15.	18.423	65.	4.	175.531	13.249	5.	10.	20.	40.

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

EPA Water Quality Criteria Analysis for Station: GARI0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00				9	0	0.00						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	691	47	0.07	26	0	0.00	665	47	0.07						
00400	PH	Other-Hi Lim.	9.	625	0	0.00	26	0	0.00	599	0	0.00						
		Other-Lo Lim.	6.5	625	333	0.53	26	19	0.73	599	314	0.52						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	64	0	0.00				64	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	64	0	0.00				64	0	0.00						
		Drinking Water	250.	64	0	0.00				64	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	64	0	0.00				64	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	50	0	0.00				50	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	50	0	0.00				50	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	50	0	0.00				50	0	0.00						
		Drinking Water	4.	50	0	0.00				50	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	50	0	0.00				50	0	0.00						
		Drinking Water	4.	50	0	0.00				50	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	13	0	0.00				13	0	0.00						
		Drinking Water	5.	13	0	0.00				13	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	14	1	0.07				14	1	0.07						
		Drinking Water	5.	14	1	0.07				14	1	0.07						

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

EPA Water Quality Criteria Analysis for Station: GARI0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	22	0	0.00				22	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	24	0	0.00				24	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	13 &	0	0.00				13	0	0.00						
		Drinking Water	1300.	22	0	0.00				22	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	13 &	0	0.00				13	0	0.00						
		Drinking Water	1300.	23	0	0.00				23	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	22	0	0.00				22	0	0.00						
		Drinking Water	15.	13 &	0	0.00				13	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	23	0	0.00				23	0	0.00						
		Drinking Water	15.	13 &	0	0.00				13	0	0.00						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	34	0	0.00				34	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01059	THALLIUM, TOTAL	Fresh Acute	1400.	33	0	0.00				33	0	0.00						
		Drinking Water	2.	6 &	6	1.00				6	6	1.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	13	0	0.00				13	0	0.00						
		Drinking Water	100.	13	0	0.00				13	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	14	0	0.00				14	0	0.00						
		Drinking Water	100.	14	0	0.00				14	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	59	1	0.02				59	1	0.02						
		Drinking Water	5000.	59	0	0.00				59	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	60	2	0.03				60	2	0.03						
		Drinking Water	5000.	60	0	0.00				60	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	50	0	0.00				50	0	0.00						
		Drinking Water	6.	6 &	0	0.00				6	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	50	0	0.00				50	0	0.00						
		Drinking Water	6.	7 &	0	0.00				7	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						

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

Annual Analysis for 1976 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	47	20.4	18.023	24.4	9.4	21.071	4.59	10.16	13.5	21.3	21.46
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	47	387.	384.745	462.	253.	2436.673	49.363	334.4	352.	430.	454.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	47	78.	67.532	153.	34.	839.994	28.983	34.8	41.	87.	97.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	47	7.4	7.291	8.5	5.	0.546	0.739	6.18	7.1	7.8	8.12
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	47	6.8	6.87	7.9	6.5	0.158	0.398	6.5	6.5	6.9	7.54
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	47	6.8	6.745	7.9	6.5	0.174	0.418	6.5	6.5	6.9	7.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	47	0.158	0.18	0.316	0.013	0.011	0.106	0.029	0.126	0.316	0.316

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

Annual Analysis for 1978 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	28	17.	17.296	26.	11.	30.18	5.494	11.18	11.775	22.75	25.23
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	28	250.	256.321	300.	200.	710.374	26.653	231.5	240.	281.5	300.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	28	70.	75.25	120.	60.	271.009	16.462	60.	60.5	84.25	105.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	28	7.2	6.032	7.8	0.1	6.447	2.539	0.65	6.1	7.5	7.8
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	28	7.	7.025	7.4	6.9	0.015	0.124	6.9	6.9	7.1	7.21
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	28	7.	7.01	7.4	6.9	0.016	0.125	6.9	6.9	7.1	7.21
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	28	0.1	0.098	0.126	0.04	0.001	0.024	0.062	0.079	0.126	0.126

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

Annual Analysis for 1979 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	98	20.	19.566	24.	15.5	5.045	2.246	16.	18.	20.5	23.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	101	180.	205.446	410.	40.	14971.55	122.358	80.	110.	377.5	400.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	96	50.	49.729	70.	25.	106.431	10.317	30.	45.	50.	65.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	91	7.1	7.335	9.6	5.5	0.685	0.828	6.52	6.7	8.1	8.2
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	89	6.4	6.479	7.6	5.6	0.286	0.534	5.8	6.1	6.8	7.3
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	89	6.4	6.222	7.6	5.6	0.352	0.594	5.8	6.1	6.8	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	89	0.398	0.6	2.512	0.025	0.364	0.603	0.05	0.158	0.794	1.585

** - Less than 9 observations ## - Computed with 50% or 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 GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	48	20.5	19.431	29.5	11.1	34.192	5.847	11.5	13.725	23.375	29.05
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	48	402.5	397.917	460.	310.	1411.525	37.57	338.	372.5	420.	445.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	48	50.	53.021	90.	40.	122.063	11.048	45.	45.	55.	66.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	48	7.5	7.106	8.1	5.7	0.55	0.742	5.98	6.5	7.7	7.81

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

Annual Analysis for 1981 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	148	19.15	18.122	26.5	9.7	19.474	4.413	11.38	14.15	20.7	24.41
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/26/93	31	25.	25.361	75.	0.	475.966	21.817	0.	3.8	42.	60.4

** - 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 1981 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	122	260.	270.098	399.	137.	4684.321	68.442	188.5	229.	281.75	390.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	148	63.	57.872	95.	14.	600.085	24.497	15.9	43.	79.	83.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	148	7.05	6.677	9.8	0.	4.339	2.083	4.2	5.5	8.3	9.2
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	148	6.1	6.055	7.	5.2	0.154	0.392	5.59	5.8	6.3	6.6
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	148	6.1	5.89	7.	5.2	0.181	0.426	5.59	5.8	6.3	6.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	148	0.794	1.288	6.31	0.1	1.478	1.216	0.251	0.501	1.585	2.577

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

Annual Analysis for 1982 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	104	19.7	19.694	26.	14.7	9.94	3.153	15.7	16.6	21.9	24.05
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/26/93	51	20.	20.767	60.	0.	269.25	16.409	0.76	6.	29.	45.6
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	104	276.5	279.587	383.	98.	4215.08	64.924	204.5	239.25	331.75	368.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	104	60.	60.952	86.	37.	153.444	12.387	45.	52.25	71.	77.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	104	6.25	5.935	8.4	0.	4.084	2.021	3.15	4.95	7.5	8.1
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	104	6.35	6.341	7.2	5.5	0.139	0.373	5.9	6.1	6.575	6.95
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	104	6.347	6.197	7.2	5.5	0.16	0.4	5.9	6.1	6.575	6.95
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	104	0.45	0.635	3.162	0.063	0.309	0.556	0.113	0.267	0.794	1.259

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

Annual Analysis for 1983 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	193	16.6	16.99	28.	7.5	29.68	5.448	8.64	13.55	20.5	25.6
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/26/93	89	24.	26.136	82.	0.	377.346	19.425	0.8	12.5	36.	57.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	193	214.	214.326	333.	116.	4005.304	63.287	136.	151.	255.	316.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	193	64.	71.917	150.	46.	671.67	25.917	49.4	52.	83.5	119.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	193	7.8	7.599	9.8	1.1	2.582	1.607	5.3	6.8	9.1	9.56
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	193	6.9	6.854	7.8	6.1	0.147	0.384	6.3	6.55	7.1	7.3
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	193	6.9	6.699	7.8	6.1	0.172	0.414	6.3	6.55	7.1	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	193	0.126	0.2	0.794	0.016	0.028	0.168	0.05	0.079	0.284	0.501

** - Less than 9 observations ## - Computed with 50% or 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 GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	32	21.	21.078	27.	14.4	26.344	5.133	14.53	15.65	26.475	26.77
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/26/93	16	38.5	40.938	91.	0.	867.396	29.452	3.5	12.	64.25	87.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	32	82.5	89.688	134.	72.	315.641	17.766	73.	78.	95.	124.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	32	4.7	4.731	7.9	0.1	8.285	2.878	0.33	1.775	7.8	7.8
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	16	6.7	6.875	7.7	6.1	0.387	0.622	6.1	6.275	7.5	7.7
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	16	6.689	6.541	7.7	6.1	0.506	0.712	6.1	6.275	7.5	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	16	0.205	0.288	0.794	0.02	0.091	0.302	0.02	0.032	0.552	0.794

** - Less than 9 observations ## - Computed with 50% or more 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: 10/01 to 4/14 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	26	20.	18.673	20.5	15.5	4.699	2.168	15.5	16.	20.5	20.5
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	25	400.	394.6	410.	320.	358.167	18.925	378.	385.	405.	410.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	26	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	26	6.9	6.958	7.8	5.5	0.262	0.512	6.57	6.6	7.15	7.73
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	26	6.4	6.388	6.8	6.1	0.054	0.232	6.1	6.175	6.6	6.73
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	26	6.4	6.333	6.8	6.1	0.057	0.239	6.1	6.175	6.6	6.73
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	26	0.398	0.465	0.794	0.158	0.052	0.228	0.187	0.251	0.672	0.794

** - Less than 9 observations ## - Computed with 50% or more 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: 4/15 to 9/30 - Station GARI0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/76-08/26/93	672	19.	18.423	29.5	7.5	22.632	4.757	11.5	15.1	21.5	24.84
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/17/76-08/26/93	32	22.	21.656	28.	12.	17.91	4.232	13.5	19.	25.	26.7
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/06/81-08/26/93	187	24.	25.81	91.	0.	424.372	20.6	0.78	9.	37.	58.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/06/81-08/26/93	15	156.	132.267	264.	12.	10247.067	101.228	13.2	23.	216.	264.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/17/76-09/01/83	618	247.	256.697	462.	40.	8746.814	93.524	132.9	200.	323.25	390.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/76-08/26/93	177	62.	65.678	153.	25.	596.901	24.432	39.4	45.5	81.5	95.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/17/76-08/26/93	665	7.2	6.861	9.8	0.	3.745	1.935	4.5	5.95	8.1	9.1
00400	PH (STANDARD UNITS)	06/17/76-08/26/93	599	6.5	6.542	7.9	5.2	0.291	0.539	5.8	6.1	7.	7.2
00400	CONVERTED PH (STANDARD UNITS)	06/17/76-08/26/93	599	6.5	6.23	7.9	5.2	0.388	0.623	5.8	6.1	7.	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/76-08/26/93	599	0.316	0.588	6.31	0.013	0.677	0.823	0.063	0.1	0.794	1.585
00500	RESIDUE, TOTAL (MG/L)	06/17/76-08/26/93	63	52.	56.016	134.	12.	572.661	23.93	20.8	38.	72.	85.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/17/76-08/26/93	63 ##	5.	13.087	72.	0.5	188.085	13.714	2.5	5.	22.	29.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/76-08/26/93	64 ##	0.05	0.059	0.3	0.01	0.002	0.045	0.025	0.05	0.05	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/76-08/26/93	64	0.1	0.167	1.4	0.01	0.043	0.206	0.05	0.05	0.2	0.35
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/17/76-08/26/93	64	0.4	0.455	3.83	0.05	0.222	0.471	0.05	0.3	0.6	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/76-08/26/93	64 ##	0.005	0.012	0.4	0.005	0.002	0.049	0.005	0.005	0.005	0.01
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/17/76-08/26/93	63 ##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/17/76-09/01/83	60	21.	20.454	42.	0.25	64.249	8.016	7.2	18.	23.75	30.
00916	CALCIUM, TOTAL (MG/L AS CA)	06/17/76-09/01/83	61	5.	4.789	12.	0.5	3.184	1.784	3.	4.	6.	6.92
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/17/76-09/01/83	61	2.	1.992	4.	0.5	0.541	0.736	0.6	2.	2.4	3.
00929	SODIUM, TOTAL (MG/L AS NA)	06/17/76-09/01/83	61	2.	3.205	78.	0.5	95.894	9.793	0.5	1.	3.	3.4
00937	POTASSIUM, TOTAL MG/L AS K)	06/17/76-09/01/83	61 ##	0.5	1.156	4.	0.5	1.085	1.042	0.5	0.5	1.2	3.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/17/76-08/26/93	64	2.	5.281	20.	1.	36.586	6.049	1.	1.	7.	17.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/76-08/26/93	64	19.	17.789	33.	2.5	68.919	8.302	2.5	11.25	26.	28.
01045	IRON, TOTAL (UG/L AS FE)	06/17/76-08/26/93	65	200.	268.646	1500.	12.	94075.295	306.717	50.	50.	362.	675.8
01046	IRON, DISSOLVED (UG/L AS FE)	06/17/76-09/01/83	60 ##	50.	67.633	700.	50.	7950.44	89.165	50.	50.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/17/76-08/26/93	58	35.	110.466	1630.	2.	67930.288	260.634	5.	5.75	89.5	195.1
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/76-09/01/83	60	30.	86.633	1630.	5.	53423.592	231.135	5.	5.	66.75	156.5
01092	ZINC, TOTAL (UG/L AS ZN)	06/17/76-09/01/83	60 ##	25.	46.9	470.	25.	3827.007	61.863	25.	25.	50.	97.8

** - 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: GARI0028

NPS Station ID: GARI0028
LAT/LON: 38.321670/ -80.858059
Agency: 12NSS
Date Created: 10/22/88
Location: FOCKLER BRANCH
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2C046030U /2CN2C046030U
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 658
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 1.10
On/Off RF1:
RF3 Index: 05050005025900.00
RF3 Mile Point: 0.01
Distance from RF3: 0.04
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: GARI0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/86-05/05/86	2	9.75	9.75	10.	9.5	0.125	0.354	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/18/86-05/05/86	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/86-05/05/86	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/86-05/05/86	2	47.5	47.5	50.	45.	12.5	3.536	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/86-05/05/86	2	10.25	10.25	10.4	10.1	0.045	0.212	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/18/86-05/05/86	2	6.35	6.35	6.4	6.3	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/18/86-05/05/86	2	6.347	6.347	6.4	6.3	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/86-05/05/86	2	0.45	0.45	0.501	0.398	0.005	0.073	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/18/86-05/05/86	2	33.75	33.75	44.7	22.8	239.805	15.486	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/18/86-05/05/86	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/86-05/05/86	2	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/18/86-05/05/86	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/18/86-05/05/86	2	0.6	0.6	0.7	0.5	0.02	0.141	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/18/86-05/05/86	2	3.75	3.75	3.8	3.7	0.005	0.071	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/18/86-05/05/86	2	2.05	2.05	2.1	2.	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/18/86-05/05/86	2	0.325	0.325	0.33	0.32	0.	0.007	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/18/86-05/05/86	2	1.09	1.09	1.1	1.08	0.	0.014	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/18/86-05/05/86	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/18/86-05/05/86	2	10.5	10.5	10.6	10.4	0.02	0.141	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/18/86-05/05/86	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/86-05/05/86	2	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/18/86-05/05/86	2	4.5	4.5	9.	0.	40.5	6.364	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/86-05/05/86	2	22.	22.	24.	20.	8.	2.828	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/18/86-05/05/86	2	8.	8.	8.3	7.7	0.18	0.424	**	**	**	**
71885	IRON (UG/L AS FE)	04/18/86-05/05/86	2	9.495	9.495	18.99	0.	180.31	13.428	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/18/86-05/05/86	2	2160.	2160.	2160.	2160.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/18/86-05/05/86	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
83509	STREAM, WIDTH METER	04/18/86-05/05/86	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0028

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

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

Station Inventory for Station: GARI0029

NPS Station ID: GARI0029
LAT/LON: 38.244365/ -80.860282
Agency: 11COEHUN
Date Created: 03/29/80
Location: SALMON RUN
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0017
RMI-Indexes: 1021500 007720 15040 2370 0812
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 039.20 000.50
HUC: 05050005
Depth of Water: 20
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 5.820
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005002503.01
RF3 Mile Point: 3.67
Distance from RF3: 0.03
On/Off RF3:
Description:
STATION IS LOCATED ON MON RUN OF SUMMERSVILLE LAKE. IT IS 25 FT FROM THE OLD ROAD. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
MOUNT NEBO WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	4	25.2	25.1	25.5	24.5	0.18	0.424	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	2	275.	275.	360.	190.	14450.	120.208	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	4	49.	49.5	59.	41.	55.	7.416	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	4	8.45	8.55	9.3	8.	0.377	0.614	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.8	7.7	8.3	6.9	0.4	0.632	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	4	7.704	7.37	8.3	6.9	0.545	0.738	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	4	0.02	0.043	0.126	0.005	0.003	0.057	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	6	80.	140.333	480.	1.	34218.267	184.982	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	6	1.764	1.418	2.681	0.	1.381	1.175	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26.207								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	1.5	1.5	3.	0.	1.1	1.049	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	6	0.151	0.18	0.477	0.	0.043	0.207	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.513								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	6	6.5	7.333	15.	0.	47.467	6.89	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	6	0.739	0.638	1.176	0.	0.31	0.557	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			4.347								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GARI0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00				4	0	0.00						
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						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	6	0	0.00				6	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	6	0	0.00				6	0	0.00						

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

Station Inventory for Station: GARI0030

NPS Station ID: GARI0030
LAT/LON: 38.176392/ -80.868615
Agency: 112WRD
Date Created: / /
Location: COLLISON CREEK NEAR NALLEN, WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03189650
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05050005002404.86
RF3 Mile Point: 5.18
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	85	10.	9.713	24.	0.	34.983	5.915	2.	5.	14.5	16.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	77	13.	11.942	30.	-15.	73.717	8.586	2.8	5.75	18.5	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	84	3.	8.122	106.	0.02	286.975	16.94	0.2	0.525	6.75	24.5
00065	STAGE, STREAM (FEET)	03/04/71-08/12/71	3	2.9	2.88	2.9	2.84	0.001	0.035	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/69-08/24/81	36 ##	25.	26.639	116.	20.	262.809	16.211	20.	20.	25.	27.4
00300	OXYGEN, DISSOLVED MG/L	06/26/73-03/14/83	21	9.	9.452	13.	5.5	3.815	1.953	7.14	8.2	10.9	12.8
00400	PH (STANDARD UNITS)	10/09/69-08/24/81	36	6.45	6.506	8.3	4.8	0.713	0.844	5.44	5.9	7.075	7.49
00400	CONVERTED PH (STANDARD UNITS)	10/09/69-08/24/81	36	6.447	5.8	8.3	4.8	1.225	1.107	5.44	5.9	7.075	7.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/69-08/24/81	36	0.357	1.584	15.849	0.005	13.456	3.668	0.034	0.085	1.259	3.717
00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/14/83	2	6.65	6.65	7.	6.3	0.245	0.495	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/81-03/14/83	2	6.522	6.522	7.	6.3	0.278	0.527	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/14/83	2	0.301	0.301	0.501	0.1	0.08	0.284	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/24/81-08/24/81	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/26/71-03/14/83	6	8.	9.	19.	1.	43.2	6.573	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/14/83-03/16/83	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/26/71-08/12/71	3	14.	12.	16.	6.	28.	5.292	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/26/71-03/14/83	9	6.	7.222	30.	0.	87.444	9.351	0.	0.	9.5	30.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/26/71-03/14/83	5	0.	2.6	8.	0.	13.8	3.715	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/26/71-03/14/83	9	2.	3.178	12.	0.	17.412	4.173	0.	0.	5.3	12.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/14/83	3	1.	1.367	2.2	0.9	0.523	0.723	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/14/83	3	1.	3.267	8.	0.8	16.813	4.1	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/20/81-03/14/83	3	0.2	0.3	0.6	0.1	0.07	0.265	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/26/71-03/14/83	9	4.	4.778	14.	2.	12.944	3.598	2.	3.	4.5	14.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/14/83	3	7.	6.	7.	4.	3.	1.732	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: GARI0030

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)	08/24/81-08/24/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/14/83	3	740.	626.667	960.	180.	161733.333	402.161	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/14/83	3	1400.	1076.667	1600.	230.	547633.333	740.023	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/14/83	3	640.	449.	660.	47.	121303.	348.286	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/14/83	3	20.	24.333	50.	3.	566.333	23.798	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/14/83	3	70.	86.667	180.	10.	7433.333	86.217	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/14/83	3	53.	63.333	130.	7.	3862.333	62.148	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	430.	430.	430.	430.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/14/83	2	45.5	45.5	68.	23.	1012.5	31.82	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	1	19.	19.	19.	19.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	2	0.03	0.03	0.05	0.01	0.001	0.028	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	2	0.06	0.06	0.09	0.03	0.002	0.042	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	03/04/71-03/16/83	5	0.1	0.44	1.	0.05	0.262	0.512	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/14/83	2	13.	13.	24.	2.	242.	15.556	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GARI0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	0	0.00	8	0	0.00	13	0	0.00						
00400	PH	Other-Hi Lim.	9.	36	0	0.00	16	0	0.00	20	0	0.00						
		Other-Lo Lim.	6.5	36	19	0.53	16	5	0.31	20	14	0.70						
00403	PH, LAB	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.	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.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	250.	9	0	0.00	4	0	0.00	5	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	1	1.00				1	1	1.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Annual Analysis for 1967 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	1	23.	23.	23.	23.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	2	14.5	14.5	26.	3.	264.5	16.263	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	6	6.75	6.917	13.	0.	20.842	4.565	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	5	-5.	6.3	14.	-5.	59.45	7.71	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	6	3.	6.85	26.	0.5	95.815	9.789	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	14	12.5	10.65	16.5	0.	28.492	5.338	1.5	6.45	15.125	16.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	14	16.5	14.964	23.5	3.	35.595	5.966	5.5	9.875	20.25	22.25
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	14	1.5	6.321	48.	0.1	159.231	12.619	0.15	0.45	8.75	29.5

** - 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 1971 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	10	9.5	8.95	16.5	0.	36.914	6.076	0.05	3.5	14.75	16.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	9	17.	14.222	23.5	2.	55.132	7.425	2.	7.	19.	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	6	0.4	1.2	4.	0.2	2.356	1.535	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	13	5.	7.115	15.5	3.	17.756	4.214	3.	4.	11.5	14.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	13	6.	9.385	21.	1.	52.548	7.249	1.2	4.	17.25	21.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	13	4.	21.431	106.	0.6	1278.479	35.756	1.16	2.	28.5	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 1973 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	8	10.	9.313	17.	0.5	36.638	6.053	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	7	12.	10.643	23.	-1.	65.726	8.107	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	8	4.	9.758	36.	0.06	148.619	12.191	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	4	8.5	8.25	14.	2.	37.583	6.131	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	3	3.	6.333	15.	1.	57.333	7.572	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	4	1.9	2.125	4.	0.7	2.689	1.64	**	**	**	**

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

Annual Analysis for 1975 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	7	13.	13.5	22.	5.5	39.583	6.292	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	7	17.	18.571	30.	7.	65.619	8.101	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	7	4.	5.789	26.	0.02	84.596	9.198	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	10	10.5	9.8	16.	3.	21.289	4.614	3.1	5.5	14.25	15.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	8	9.5	10.563	19.	2.	41.531	6.444	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	10	4.5	5.753	19.	0.03	38.253	6.185	0.077	0.875	8.	18.5

** - 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 1977 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	9	9.	10.556	21.	0.	60.778	7.796	0.	3.5	18.5	21.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	9	17.	11.	28.	-15.	196.	14.	2.	4.5	26.5	-15.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	9	1.	1.533	6.	0.2	3.493	1.869	0.2	0.35	2.	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 1981 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	2	22.5	22.5	24.	21.	4.5	2.121	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**

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

Annual Analysis for 1983 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	2	8.	8.	8.	8.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #1: 10/01 to 4/14 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	47	5.	5.651	13.	0.	13.514	3.676	0.4	3.	8.	12.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	44	8.	7.466	21.	-15.	50.435	7.102	2.	4.	15.	17.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	48	4.	11.756	106.	0.2	423.078	20.569	0.3	2.	10.75	27.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/69-08/24/81	16 ##	22.5	24.063	50.	20.	54.063	7.353	20.	20.	25.	32.5
00400	PH (STANDARD UNITS)	10/09/69-08/24/81	16	6.75	6.881	8.3	5.6	0.6	0.775	5.74	6.425	7.4	8.3
00400	CONVERTED PH (STANDARD UNITS)	10/09/69-08/24/81	16	6.747	6.373	8.3	5.6	0.875	0.936	5.74	6.425	7.4	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/69-08/24/81	16	0.179	0.423	2.512	0.005	0.471	0.686	0.005	0.04	0.378	1.863

** - Less than 9 observations ## - Computed with 50% or more 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: 4/15 to 9/30 - Station GARI0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/67-08/24/81	38	15.	14.737	24.	6.	15.74	3.967	9.85	12.75	16.5	21.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/30/67-10/05/77	33	18.	17.909	30.	1.	43.038	6.56	8.8	13.	22.	26.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/67-03/16/83	36	0.9	3.275	48.	0.02	70.133	8.375	0.088	0.3	2.75	5.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/69-08/24/81	20 ##	25.	28.7	116.	20.	431.379	20.77	20.	21.25	25.	32.2
00400	PH (STANDARD UNITS)	10/09/69-08/24/81	20	6.2	6.205	7.7	4.8	0.626	0.791	4.85	5.65	6.85	7.37
00400	CONVERTED PH (STANDARD UNITS)	10/09/69-08/24/81	20	6.2	5.6	7.7	4.8	1.011	1.006	4.85	5.65	6.85	7.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/69-08/24/81	20	0.631	2.512	15.849	0.02	22.374	4.73	0.044	0.144	2.28	14.765

** - Less than 9 observations ## - Computed 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: GARI0031

NPS Station ID: GARI0031
LAT/LON: 38.320837/ -80.870560
Agency: 112WRD
Date Created: 11/06/82
Location: PINE RUN ABOVE MINING
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381915080521401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 12.60
On/Off RF1:
RF3 Index: 05050005007000.82
RF3 Mile Point: 1.81
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/82-08/16/82	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/16/82-08/16/82	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/82-08/16/82	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/82-08/16/82	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/82-08/16/82	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/82-08/16/82	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/82-08/16/82	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/82-08/16/82	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/82-08/16/82	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/16/82-08/16/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/82-08/16/82	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/82-08/16/82	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/82-08/16/82	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/16/82-08/16/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/82-08/16/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/82-08/16/82	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	08/16/82-08/16/82	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/82-08/16/82	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/82-08/16/82	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/16/82-08/16/82	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/82-08/16/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/82-08/16/82	1	21.	21.	21.	21.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/82-08/16/82	1	46.	46.	46.	46.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/16/82-08/16/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/16/82-08/16/82	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0032

NPS Station ID: GARI0032
LAT/LON: 38.211559/ -80.870588
Agency: 11COEHUN
Date Created: 05/19/76
Location: SUMMERSVILLE RESERVOIR
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0011
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 036.60
HUC: 05050005
Depth of Water: 230
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005025
RF1 Mile Point: 2.900
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005011900.00
RF3 Mile Point: 0.03
Distance from RF3: 0.04
On/Off RF3:
Description:
LOCATED IN SUMMERSVILLE LAKE ON GAULEY R AT THE TIP OF LONG POINT. GRAB SAMPLED BY ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
NICHOLAS COUNTY MOUNT NEBO WV QUAD

Parameter Inventory for Station: GARI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/83	819	17.3	17.512	29.5	5.3	22.454	4.739	11.	14.5	20.7	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/05/81-09/01/83	24	25.	23.833	28.	14.	15.884	3.985	17.	21.	26.	27.5
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/05/81-08/16/83	165	24.	25.485	94.	0.	429.971	20.736	0.3	5.6	39.5	54.8
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/02/81-09/01/83	571	70.	65.237	100.	3.	409.007	20.224	33.	56.	78.	87.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/75-07/31/75	30	6.	5.2	7.	2.	2.028	1.424	3.	4.	6.	7.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	05/05/81-09/01/83	13	119.	133.923	276.	21.	11070.577	105.217	22.2	26.	253.	271.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/28/80-09/01/83	755	274.	267.309	450.	-138.	8658.556	93.051	151.6	186.	327.	410.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	799	59.	61.314	222.	14.	598.346	24.461	40.	50.	70.	84.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/75-07/31/75	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/83	819	7.1	6.336	10.	0.	5.639	2.375	3.2	4.7	8.2	8.8
00400	PH (STANDARD UNITS)	07/31/75-09/01/83	665	6.2	6.265	7.9	5.2	0.292	0.54	5.6	5.9	6.6	7.04
00400	CONVERTED PH (STANDARD UNITS)	07/31/75-09/01/83	665	6.2	5.99	7.9	5.2	0.367	0.606	5.6	5.9	6.6	7.04
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/75-09/01/83	665	0.631	1.023	6.31	0.013	1.32	1.149	0.092	0.251	1.259	2.512
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-06/15/79	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/15/79-06/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-06/15/79	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-06/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-06/15/79	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/15/79-06/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			1.								
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/05/81-05/10/83	61	1.6	1.813	4.7	0.	1.639	1.28	0.	1.	2.9	3.68
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/07/83	433	25.	29.164	140.	3.	621.249	24.925	4.	9.	40.	65.

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

EPA Water Quality Criteria Analysis for Station: GARI0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	30	0	0.00				30	0	0.00						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	819	146	0.18				819	146	0.18						
00400	PH	Other-Hi Lim.	9.	665	0	0.00				665	0	0.00						
		Other-Lo Lim.	6.5	665	465	0.70				665	465	0.70						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						

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

Annual Analysis for 1975 - Station GARI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/83	20	21.1	21.745	28.1	17.5	13.654	3.695	17.51	18.175	25.85	27.06
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/83	20	7.75	7.7	9.	6.	0.978	0.989	6.04	7.	8.725	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 1980 - Station GARI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/83	119	21.	19.852	29.5	11.	25.241	5.024	11.5	16.	23.	25.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/28/80-09/01/83	119	385.	305.042	450.	60.	20004.024	141.436	110.	140.	430.	440.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	119	50.	53.067	70.	40.	49.199	7.014	45.	50.	60.	65.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/83	119	6.	5.331	8.1	0.1	5.754	2.399	1.4	3.6	7.6	8.

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

Annual Analysis for 1981 - Station GARI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/83	256	16.6	16.748	27.2	5.3	19.42	4.407	10.37	13.525	20.	21.96
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/28/80-09/01/83	212	285.5	291.146	435.	-138.	6255.661	79.093	204.8	243.5	323.75	418.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	256	54.5	55.043	222.	14.	668.857	25.862	15.	40.	75.	84.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/83	256	7.5	6.531	10.	0.	6.426	2.535	3.2	4.425	8.575	8.93

** - Less than 9 observations ## - Computed with 50% or 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 GARI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/83	176	17.2	18.115	26.4	10.8	10.801	3.286	14.77	15.6	20.2	23.56
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/28/80-09/01/83	176	312.	303.597	368.	18.	2586.333	50.856	234.1	280.25	338.75	360.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	176	57.	57.648	144.	37.	164.367	12.821	40.	51.	67.	71.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/83	176	5.3	5.452	8.3	0.	5.434	2.331	1.7	4.1	7.675	8.2

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

Annual Analysis for 1983 - Station GARI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/83	248	15.55	16.408	27.4	7.	27.375	5.232	8.59	13.9	19.6	24.15
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/28/80-09/01/83	248	184.	203.073	332.	100.	3443.525	58.682	149.9	161.	216.5	311.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	248	63.	74.347	152.	45.	848.997	29.138	51.	55.	77.	133.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/83	248	7.6	7.133	9.5	0.3	3.494	1.869	4.29	6.125	8.5	9.2

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

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/83	819	17.3	17.512	29.5	5.3	22.454	4.739	11.	14.5	20.7	24.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/83	819	7.1	6.336	10.	0.	5.639	2.375	3.2	4.7	8.2	8.8
00400	PH (STANDARD UNITS)	07/31/75-09/01/83	665	6.2	6.265	7.9	5.2	0.292	0.54	5.6	5.9	6.6	7.04
00400	CONVERTED PH (STANDARD UNITS)	07/31/75-09/01/83	665	6.2	5.99	7.9	5.2	0.367	0.606	5.6	5.9	6.6	7.04
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/75-09/01/83	665	0.631	1.023	6.31	0.013	1.32	1.149	0.092	0.251	1.259	2.512

** - Less than 9 observations ## - Computed 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: GARI0033

NPS Station ID: GARI0033
LAT/LON: 38.106670/ -80.875782
Agency: 21WV7IWQ
Date Created: / /
Location: Meadow River near Nallen, W. Va.
FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 550557 /KGM-12
RMI-Indexes: 1021500 007720 15040 2370 0780
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 029.10 011.10
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: Ohio River
Elevation: 0
Water Body Id: WVKG-19
Minor Basin: Kanawha River / Gauley River / Meadow R.
ECO Region: 69M
RF1 Index: 05050005010
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005075400.00
RF3 Mile Point: 0.09
Distance from RF3: 0.07
On/Off RF3:
Description:
Meadow River at State Route 41 (Old U.S. Route 19) Highway Bridge near Town of Nallen, Fayette County, West Virginia.
A State of West Virginia Water Quality Sampling Station maintained by Division of Water Resources, W. Va. Dept. of Natural Resources,
Charleston, West Virginia. (Sampling Discontinued)

Parameter Inventory for Station: GARI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-10/23/84	37	14.2	13.43	24.5	0.	59.755	7.73	0.44	7.95	19.25	23.68
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/15/74-07/17/80	23	56.	54.904	76.1	32.	206.408	14.367	32.8	42.8	68.	73.72
00060	FLOW, STREAM, MEAN DAILY CFS	01/15/74-10/17/79	20	542.	701.65	2900.	60.	468218.976	684.265	80.1	155.75	1047.5	1319.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/02/84	20	289.	510.6	1710.	3.	282157.2	531.185	19.7	46.5	990.	1284.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/10/46-07/23/74	11	18.	25.364	110.	6.	871.405	29.52	6.2	12.5	20.	96.
00080	COLOR (PLATINUM-COBALT UNITS)	07/14/50-10/23/84	43	10.	16.	200.	5.	889.905	29.831	5.	5.	15.	28.
00087	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/23/84	42	1.4	1.948	14.	1.	4.117	2.029	1.	1.4	2.	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/22/75-10/23/84	37	76.	93.486	212.	37.	1773.257	42.11	56.4	65.	120.	162.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/74-10/23/84	42	78.	91.857	212.	53.	1598.857	39.986	57.6	62.75	112.	146.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/14/76-10/23/84	22	9.5	9.727	13.6	6.3	4.142	2.035	7.53	8.1	11.925	12.62
00300	OXYGEN, DISSOLVED MG/L	07/10/46-07/17/80	30	8.65	9.213	13.5	7.	3.978	1.995	7.11	7.55	10.125	12.98
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-10/23/84	44	91.8	91.832	129.2	75.	88.086	9.385	80.7	87.	96.475	102.9
00310	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/23/84	50	1.2	1.436	8.	0.1	1.582	1.258	0.3	0.6	1.85	2.49
00400	PH (STANDARD UNITS)	07/10/46-10/23/84	48	6.85	6.88	8.1	6.1	0.163	0.404	6.3	6.6	7.138	7.31
00400	CONVERTED PH (STANDARD UNITS)	07/10/46-10/23/84	48	6.847	6.716	8.1	6.1	0.191	0.437	6.3	6.6	7.137	7.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-10/23/84	48	0.142	0.192	0.794	0.008	0.031	0.176	0.049	0.073	0.251	0.501
00403	PH, LAB, STANDARD UNITS SU	01/15/74-10/23/84	43	6.9	6.907	7.7	6.1	0.134	0.366	6.4	6.7	7.1	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	01/15/74-10/23/84	43	6.9	6.753	7.7	6.1	0.158	0.398	6.4	6.7	7.1	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/15/74-10/23/84	43	0.126	0.177	0.794	0.02	0.03	0.174	0.04	0.079	0.2	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-10/23/84	52	13.	16.365	43.	6.	81.374	9.021	9.	10.	19.5	32.1
00435	ACIDITY, TOTAL (MG/L AS CACO3)	01/15/74-07/26/79	21	3.	3.143	8.	1.	2.729	1.652	1.	2.	4.	5.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-06/22/54	9	3.	2.222	3.	1.	0.944	0.972	1.	1.	3.	3.
00500	RESIDUE, TOTAL (MG/L)	07/14/50-07/27/78	24	78.5	84.667	179.	37.	1194.754	34.565	48.5	59.	98.	146.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/22/53-07/23/74	8	45.5	53.	89.	19.	735.143	27.114	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/14/50-10/23/84	48	8.5	16.365	112.	0.5	554.019	23.538	1.	2.25	18.75	54.5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/15/74-07/23/74	4	0.195	0.218	0.36	0.12	0.01	0.102	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/15/74-10/23/84	43	0.07	0.116	0.8	0.015	0.02	0.142	0.02	0.05	0.12	0.296
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/15/74-07/23/74	4	1.5	1.625	2.8	0.7	0.756	0.869	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/15/74-10/23/84	43	0.28	0.317	0.95	0.08	0.032	0.18	0.138	0.2	0.39	0.556
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/22/75-10/23/84	39	0.46	0.461	0.98	0.01	0.048	0.219	0.08	0.36	0.6	0.73
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/22/75-10/01/75	3	0.01	0.023	0.05	0.008	0.001	0.024	**	**	**	**

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

Parameter Inventory for Station: GARI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/15/74-10/23/84	42	0.035	0.039	0.09	0.013	0.	0.021	0.017	0.024	0.049	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/15/74-10/23/84	42	6.	6.571	15.	2.	7.178	2.679	4.	5.	8.	10.4
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/15/74-10/23/84	41	0.001	0.001	0.004	0.001	0.	0.001	0.001	0.001	0.001	0.003
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-10/23/84	52	32.	38.096	94.	18.	293.5	17.132	20.6	24.	46.	66.
00929	SODIUM, TOTAL (MG/L AS NA)	01/15/74-10/23/84	31	2.	3.016	8.7	1.	4.479	2.116	1.26	1.6	3.8	6.9
00937	POTASSIUM, TOTAL MG/L AS K)	01/15/74-10/23/84	31	1.2	1.338	2.6	0.	0.343	0.585	0.8	0.9	1.8	2.2
00940	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/23/84	51	4.	4.676	11.	0.5	8.218	2.867	2.	3.	6.	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/15/74-10/23/84	43	15.	19.116	49.	8.	98.058	9.902	10.	13.	24.	33.6
00951	FLUORIDE, TOTAL (MG/L AS F)	01/15/74-07/19/84	38	0.05	0.057	0.14	0.01	0.001	0.027	0.03	0.04	0.07	0.101
01002	ARSENIC, TOTAL (UG/L AS AS)	01/15/74-10/23/84	41 ##	1.	1.741	13.	0.15	4.553	2.134	0.34	1.	2.	3.
01007	BARIUM, TOTAL (UG/L AS BA)	07/16/75-10/23/84	26	40.	41.308	90.	20.	330.862	18.19	20.	20.	48.	70.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/15/74-10/23/84	42	1.	2.405	18.	0.5	10.491	3.239	0.5	1.	3.	6.4
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/15/74-10/23/84	38 ##	0.5	1.026	6.	0.5	1.324	1.15	0.5	0.5	1.	3.
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/74-10/23/84	28 ##	2.	2.821	10.	2.	3.115	1.765	2.	2.	3.5	5.
01042	COPPER, TOTAL (UG/L AS CU)	01/15/74-10/23/84	41	2.	4.085	31.	0.5	28.174	5.308	1.	1.	5.	8.6
01045	IRON, TOTAL (UG/L AS FE)	01/15/74-10/23/84	43	500.	691.767	4600.	120.	503735.087	709.743	172.	340.	800.	1320.
01051	LEAD, TOTAL (UG/L AS PB)	01/15/74-10/23/84	43 ##	10.	11.93	40.	5.	53.447	7.311	5.	10.	10.	20.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/15/74-10/23/84	43	72.	74.233	192.	10.	1462.326	38.24	32.	48.	90.	138.4
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/74-10/23/84	29 ##	5.	24.138	510.	5.	8737.623	93.475	5.	5.	10.	10.
01077	SILVER, TOTAL (UG/L AS AG)	01/15/74-10/23/84	30 ##	1.	1.633	8.	1.	2.378	1.542	1.	1.	1.	4.
01092	ZINC, TOTAL (UG/L AS ZN)	01/15/74-10/23/84	31	16.	23.29	160.	2.	837.146	28.933	4.	10.	32.	50.8
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/16/75-07/16/75	1	950.	950.	950.	950.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/16/75-10/23/84	26 ##	20.	23.558	72.	0.5	214.207	14.636	10.	20.	20.	46.
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/15/74-10/23/84	31	220.	280.	750.	40.	32500.	180.278	60.	120.	410.	516.
01147	SELENIUM, TOTAL (UG/L AS SE)	01/15/74-10/23/84	28 ##	0.5	1.148	4.	0.25	1.169	1.081	0.49	0.5	1.	3.1
01501	ALPHA, TOTAL	10/05/77-04/28/83	15 ##	0.15	0.213	0.7	0.05	0.033	0.183	0.05	0.1	0.3	0.58
01502	ALPHA, TOTAL, COUNTING ERROR	10/05/77-07/06/82	6	0.2	0.25	0.4	0.2	0.007	0.084	**	**	**	**
03501	BETA, TOTAL	10/05/77-04/28/83	15	1.	1.393	3.	0.9	0.406	0.637	0.96	1.	2.	2.4
03502	BETA, TOTAL, COUNTING ERROR	10/05/77-04/28/83	15	0.4	0.473	0.8	0.3	0.025	0.158	0.3	0.4	0.6	0.74
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/15/74-10/23/84	43	1800.	3467.442	22000.	50.	27261057.586	5221.212	70.	300.	3500.	11760.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/15/74-10/23/84	43	3.255	3.06	4.342	1.699	0.564	0.751	1.819	2.477	3.544	4.067
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1146.838								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/01/75-10/01/75	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	10/01/75-10/01/75	1 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			50.								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-10/23/84	51	100.	795.588	11000.	5.	3029214.647	1740.464	20.	50.	700.	2540.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-10/23/84	51	2.	2.249	4.041	0.699	0.6	0.775	1.301	1.699	2.845	3.404
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			177.601								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/06/82-10/23/84	10 ##	1.	1.6	4.	0.5	1.711	1.308	0.5	0.5	3.	3.9
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/22/75-10/23/84	38	55.5	59.	112.	28.	419.189	20.474	35.7	45.75	67.	88.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/14/76-10/23/84	35	0.012	0.022	0.25	0.001	0.002	0.042	0.003	0.008	0.019	0.043
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	04/22/75-10/23/84	22 ##	0.5	1.727	9.	0.5	4.708	2.17	0.5	0.5	3.	4.7
71900	MERCURY, TOTAL (UG/L AS HG)	01/15/74-10/23/84	28 ##	0.05	0.143	0.9	0.05	0.035	0.187	0.05	0.05	0.2	0.32
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/75-10/23/84	39	9.4	13.692	80.	2.3	176.18	13.273	3.	5.	20.	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: GARI0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	11	1	0.09	2	0	0.00	9	1	0.11						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	22	0	0.00	13	0	0.00	9	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	30	0	0.00	13	0	0.00	17	0	0.00						
00400	PH	Other-Hi Lim.	9.	48	0	0.00	24	0	0.00	24	0	0.00						
		Other-Lo Lim.	6.5	48	8	0.17	24	2	0.08	24	6	0.25						
00403	PH, LAB	Other-Hi Lim.	9.	43	0	0.00	25	0	0.00	18	0	0.00						
		Other-Lo Lim.	6.5	43	7	0.16	25	4	0.16	18	3	0.17						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	2	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	39	0	0.00	23	0	0.00	16	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720	CYANIDE, TOTAL	Fresh Acute	0.022	41	0	0.00	24	0	0.00	17	0	0.00						
		Drinking Water	0.2	41	0	0.00	24	0	0.00	17	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	51	0	0.00	26	0	0.00	25	0	0.00						
		Drinking Water	250.	51	0	0.00	26	0	0.00	25	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	43	0	0.00	25	0	0.00	18	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	38	0	0.00	22	0	0.00	16	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	41	0	0.00	24	0	0.00	17	0	0.00						
		Drinking Water	50.	41	0	0.00	24	0	0.00	17	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	26	0	0.00	16	0	0.00	10	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	42	8	0.19	24	4	0.17	18	4	0.22						
		Drinking Water	5.	42	6	0.14	24	2	0.08	18	4	0.22						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	38	0	0.00	22	0	0.00	16	0	0.00						
		Drinking Water	100.	38	0	0.00	22	0	0.00	16	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	28	0	0.00	16	0	0.00	12	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	41	1	0.02	23	0	0.00	18	1	0.06						
		Drinking Water	1300.	41	0	0.00	23	0	0.00	18	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	43	0	0.00	25	0	0.00	18	0	0.00						
		Drinking Water	15.	43	6	0.14	25	3	0.12	18	3	0.17						
01067	NICKEL, TOTAL	Fresh Acute	1400.	29	0	0.00	16	0	0.00	13	0	0.00						
		Drinking Water	100.	29	1	0.03	16	1	0.06	13	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	30	1	0.03	17	1	0.06	13	0	0.00						
		Drinking Water	100.	30	0	0.00	17	0	0.00	13	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	31	1	0.03	19	0	0.00	12	1	0.08						
		Drinking Water	5000.	31	0	0.00	19	0	0.00	12	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	1	1.00				1	1	1.00						
		Drinking Water	6.	1	1	1.00				1	1	1.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	26	0	0.00	16	0	0.00	10	0	0.00						
		Drinking Water	6.	5 &	4	0.80	5	4	0.80									
01147	SELENIUM, TOTAL	Fresh Acute	20.	28	0	0.00	18	0	0.00	10	0	0.00						
		Drinking Water	50.	28	0	0.00	18	0	0.00	10	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	43	25	0.58	25	12	0.48	18	13	0.72						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	51	21	0.41	26	8	0.31	25	13	0.52						
71900	MERCURY, TOTAL	Fresh Acute	2.4	28	0	0.00	17	0	0.00	11	0	0.00						
		Drinking Water	2.	28	0	0.00	17	0	0.00	11	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	39	1	0.03	23	0	0.00	16	1	0.06						

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

Seasonal Analysis for Season #1: 10/01 to 4/14 - Station GARI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-10/23/84	18	9.65	8.039	17.5	0.	39.197	6.261	0.	0.875	13.675	15.25
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/15/74-07/17/80	13	49.5	46.515	62.	32.	125.678	11.211	32.	35.	56.15	61.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/02/84	11	221.	426.364	1290.	3.	260745.055	510.632	6.2	26.	1050.	1278.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	07/10/46-07/23/74	2	15.5	15.5	18.	13.	12.5	3.536	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/14/50-10/23/84	24	10.	19.25	200.	5.	1531.152	39.13	5.	5.5	15.75	27.5
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/23/84	24	1.4	1.508	4.	1.	0.386	0.621	1.	1.1	1.4	2.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/22/75-10/23/84	22	81.5	98.045	212.	47.	1947.76	44.133	54.5	69.25	123.	179.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/74-10/23/84	25	78.	96.76	212.	53.	2121.107	46.055	58.2	62.5	127.5	190.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/14/76-10/23/84	13	9.8	10.346	13.6	7.5	4.656	2.158	7.54	8.3	12.2	13.28
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-07/17/80	13	10.2	10.946	13.5	8.7	3.049	1.746	8.78	9.45	12.9	13.38
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-10/23/84	25	92.	91.36	107.	75.	63.23	7.952	78.64	87.5	96.05	104.08
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/23/84	25	1.6	1.716	3.9	0.3	0.716	0.846	0.66	1.05	2.25	2.9
00400p	PH (STANDARD UNITS)	07/10/46-10/23/84	24	7.1	7.05	8.1	6.2	0.168	0.41	6.55	6.725	7.2	7.65
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-10/23/84	24	7.1	6.882	8.1	6.2	0.197	0.444	6.55	6.725	7.2	7.65
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-10/23/84	24	0.079	0.131	0.631	0.008	0.017	0.132	0.023	0.063	0.189	0.284
00403	PH, LAB, STANDARD UNITS SU	01/15/74-10/23/84	25	6.9	6.908	7.7	6.1	0.176	0.419	6.22	6.7	7.2	7.48
00403	CONVERTED PH, LAB, STANDARD UNITS	01/15/74-10/23/84	25	6.9	6.715	7.7	6.1	0.215	0.463	6.22	6.7	7.2	7.48
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/15/74-10/23/84	25	0.126	0.193	0.794	0.02	0.044	0.21	0.034	0.065	0.2	0.618
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-10/23/84	26	14.	17.692	43.	9.	108.382	10.411	9.	10.	21.75	36.8
00500p	RESIDUE, TOTAL (MG/L)	07/14/50-07/27/78	10	64.	65.4	98.	48.	258.489	16.078	48.1	49.75	77.75	96.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/14/50-10/23/84	25	3.	8.1	44.	0.5	103.5	10.173	1.	2.	14.5	19.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/15/74-10/23/84	25	0.07	0.114	0.8	0.015	0.025	0.157	0.038	0.05	0.11	0.234
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/15/74-10/23/84	25	0.26	0.296	0.76	0.08	0.027	0.165	0.11	0.185	0.395	0.548
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/22/75-10/23/84	23	0.49	0.48	0.98	0.01	0.061	0.247	0.044	0.38	0.6	0.834
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/15/74-10/23/84	25	0.035	0.035	0.09	0.013	0.	0.018	0.015	0.019	0.045	0.058
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/15/74-10/23/84	25	6.	6.48	15.	2.	10.427	3.229	3.	4.	8.	12.2
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/15/74-10/23/84	24 ##	0.001	0.001	0.004	0.001	0.	0.001	0.001	0.001	0.001	0.003
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-10/23/84	26	33.	40.	94.	18.	435.84	20.877	20.	24.	50.	73.8
00929	SODIUM, TOTAL (MG/L AS NA)	01/15/74-10/23/84	18	2.	3.244	8.7	1.1	5.866	2.422	1.46	1.65	4.65	8.25
00937	POTASSIUM, TOTAL MG/L AS K)	01/15/74-10/23/84	18	1.35	1.444	2.6	0.8	0.324	0.569	0.89	0.9	2.	2.24
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/23/84	26	4.5	5.5	11.	2.	8.02	2.832	2.7	3.	8.	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/15/74-10/23/84	25	15.	20.	49.	9.	126.5	11.247	10.	11.5	26.	39.6
00951	FLUORIDE, TOTAL (MG/L AS F)	01/15/74-07/19/84	22	0.05	0.061	0.14	0.01	0.001	0.031	0.03	0.04	0.08	0.114
01002	ARSENIC, TOTAL (UG/L AS AS)	01/15/74-10/23/84	24 ##	1.	1.51	6.	0.2	1.769	1.33	0.275	1.	2.	3.5
01007	BARIUM, TOTAL (UG/L AS BA)	07/16/75-10/23/84	16	40.	37.125	70.	20.	265.583	16.297	20.	20.	43.	63.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/15/74-10/23/84	24	1.	2.438	18.	0.5	13.42	3.663	0.5	1.	3.	5.5
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/15/74-10/23/84	22 ##	0.5	1.159	6.	0.5	1.938	1.392	0.5	0.5	1.	3.7
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/74-10/23/84	16 ##	2.	2.813	5.	2.	1.629	1.276	2.	2.	4.	5.
01042	COPPER, TOTAL (UG/L AS CU)	01/15/74-10/23/84	23	2.	2.978	13.	0.5	8.465	2.91	1.	1.	4.	6.6
01045	IRON, TOTAL (UG/L AS FE)	01/15/74-10/23/84	25	434.	530.24	1560.	150.	135534.44	368.15	160.	253.	715.	1112.
01051	LEAD, TOTAL (UG/L AS PB)	01/15/74-10/23/84	25 ##	10.	11.32	36.	5.	37.977	6.163	5.	10.	10.	20.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/15/74-10/23/84	25	60.	65.8	192.	10.	1577.75	39.721	30.8	37.	77.	128.4
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/74-10/23/84	16 ##	5.	37.5	510.	5.	15880.	126.016	5.	5.	8.75	160.
01077	SILVER, TOTAL (UG/L AS AG)	01/15/74-10/23/84	17 ##	1.	1.647	8.	1.	3.243	1.801	1.	1.	1.	4.8
01092	ZINC, TOTAL (UG/L AS ZN)	01/15/74-10/23/84	19	12.	15.053	40.	2.	110.719	10.522	3.	6.	20.	32.
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/16/75-10/23/84	16 ##	20.	27.031	72.	0.5	312.882	17.688	14.15	20.	35.	63.6
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/15/74-10/23/84	19	200.	262.105	750.	40.	44506.433	210.965	40.	90.	420.	640.
01147	SELENIUM, TOTAL (UG/L AS SE)	01/15/74-10/23/84	18 ##	0.5	1.203	4.	0.25	1.481	1.217	0.385	0.5	1.25	4.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/15/74-10/23/84	25	900.	1880.	9900.	50.	5327291.667	2308.093	80.	250.	3200.	4720.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/15/74-10/23/84	25	2.954	2.898	3.996	1.699	0.449	0.67	1.88	2.389	3.505	3.662
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			790.76								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-10/23/84	26	60.	296.154	1900.	10.	208128.615	456.211	17.	50.	525.	880.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-10/23/84	26	1.778	2.024	3.279	1.	0.414	0.644	1.211	1.699	2.719	2.926
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			105.572								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/22/75-10/23/84	22	57.	61.136	112.	28.	545.933	23.365	33.9	44.25	70.75	106.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/14/76-10/23/84	22	0.012	0.024	0.25	0.001	0.003	0.052	0.001	0.005	0.017	0.046
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	04/22/75-10/23/84	13 ##	0.5	0.923	4.	0.5	1.035	1.017	0.5	0.5	0.75	3.2
71900	MERCURY, TOTAL (UG/L AS HG)	01/15/74-10/23/84	17 ##	0.05	0.179	0.9	0.05	0.053	0.231	0.05	0.05	0.3	0.58
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/75-10/23/84	23	8.	9.696	25.	2.3	47.7	6.907	3.	4.	15.	21.2

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

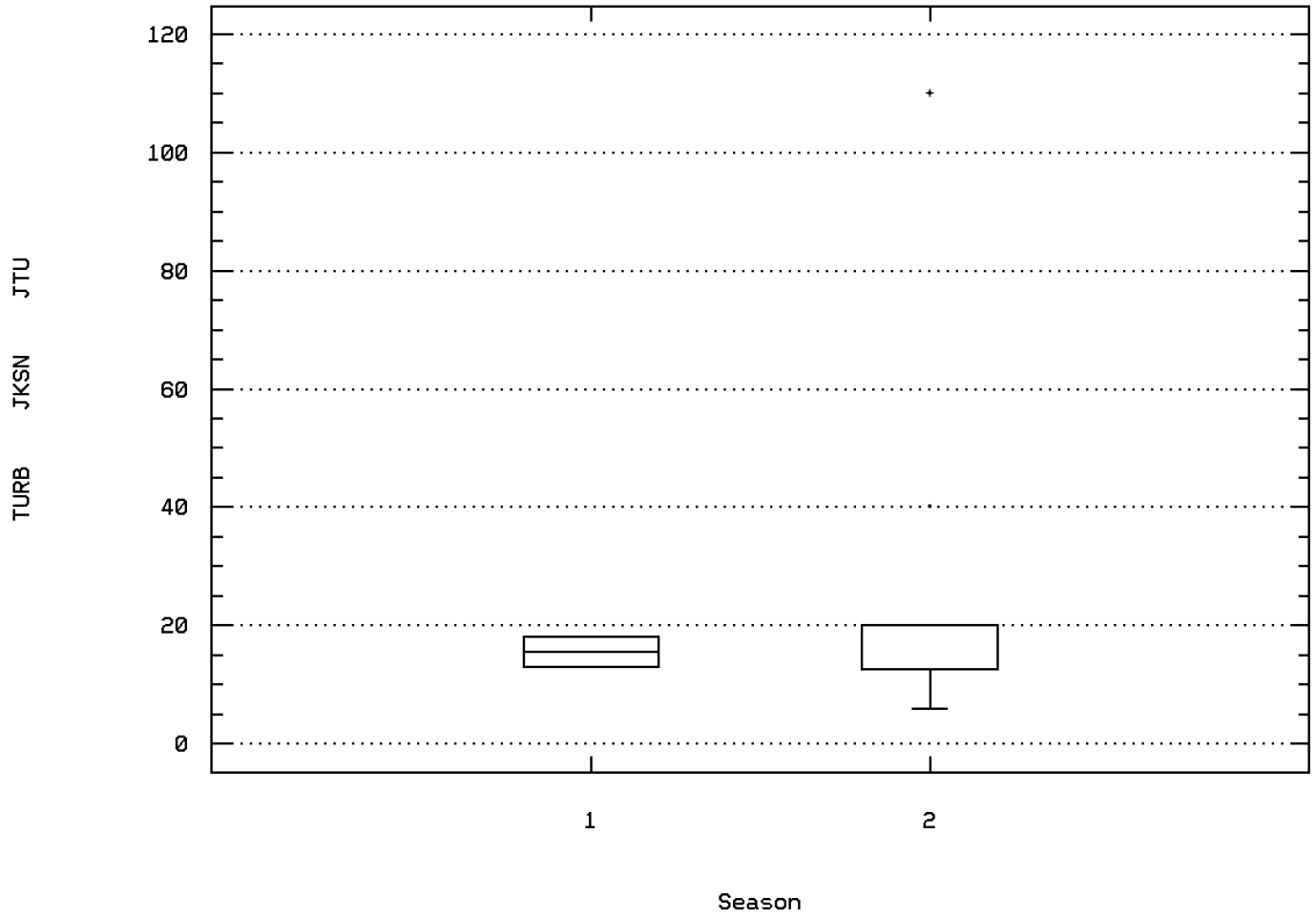
Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-10/23/84	19	19.2	18.537	24.5	7.4	25.898	5.089	9.3	17.	23.	24.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	01/15/74-07/17/80	10	68.5	65.81	76.1	43.8	103.181	10.158	44.67	61.125	72.425	76.01
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/02/84	9	624.	613.556	1710.	32.	322510.528	567.9	32.	141.5	1015.	1710.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	07/10/46-07/23/74	9	20.	27.556	110.	6.	1057.965	32.526	6.	9.75	30.	110.
00080p	COLOR (PLATINUM-COBALT UNITS)	07/14/50-10/23/84	19	10.	11.895	40.	5.	88.099	9.386	5.	5.	15.	30.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/23/84	18	1.4	2.533	14.	1.	8.772	2.962	1.36	1.4	2.25	5.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/22/75-10/23/84	15	70.	86.8	190.	37.	1557.6	39.466	49.6	60.	120.	157.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/15/74-10/23/84	17	78.	84.647	149.	53.	822.618	28.681	54.6	62.	107.	137.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/14/76-10/23/84	9	8.5	8.833	11.4	6.3	2.368	1.539	6.3	7.7	9.9	11.4
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-07/17/80	17	7.7	7.888	10.1	7.	0.619	0.787	7.08	7.3	8.35	8.98
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-10/23/84	19	91.6	92.453	129.2	80.2	125.406	11.198	81.	84.6	97.	101.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/23/84	25	1.	1.156	8.	0.1	2.351	1.533	0.16	0.4	1.3	2.04
00400p	PH (STANDARD UNITS)	07/10/46-10/23/84	24	6.7	6.71	7.3	6.1	0.106	0.326	6.25	6.525	6.9	7.175
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-10/23/84	24	6.7	6.596	7.3	6.1	0.12	0.346	6.25	6.525	6.9	7.175
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-10/23/84	24	0.2	0.254	0.794	0.05	0.038	0.195	0.067	0.126	0.3	0.566
00403	PH, LAB, STANDARD UNITS SU	01/15/74-10/23/84	18	6.95	6.906	7.4	6.4	0.083	0.288	6.4	6.7	7.1	7.31
00403	CONVERTED PH, LAB, STANDARD UNITS	01/15/74-10/23/84	18	6.947	6.813	7.4	6.4	0.092	0.303	6.4	6.7	7.1	7.31
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/15/74-10/23/84	18	0.113	0.154	0.398	0.04	0.012	0.111	0.049	0.079	0.2	0.398
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-10/23/84	26	13.	15.038	33.	6.	53.958	7.346	7.7	10.	18.5	28.6
00500p	RESIDUE, TOTAL (MG/L)	07/14/50-07/27/78	14	93.5	98.429	179.	37.	1445.341	38.018	47.5	77.25	112.75	172.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/14/50-10/23/84	23	12.	25.348	112.	1.	908.692	30.145	1.4	6.	39.	78.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/15/74-10/23/84	18	0.075	0.119	0.47	0.015	0.015	0.121	0.02	0.04	0.13	0.38
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/15/74-10/23/84	18	0.285	0.347	0.95	0.16	0.04	0.199	0.16	0.2	0.41	0.626
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/22/75-10/23/84	16	0.42	0.433	0.73	0.08	0.031	0.175	0.178	0.353	0.595	0.709
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/15/74-10/23/84	17	0.035	0.045	0.09	0.018	0.001	0.025	0.021	0.026	0.065	0.087
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/15/74-10/23/84	17	6.	6.706	11.	4.	2.721	1.649	4.8	6.	8.	8.6
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	01/15/74-10/23/84	17	0.001	0.001	0.004	0.001	0.	0.001	0.001	0.001	0.002	0.004
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-10/23/84	26	32.	36.192	66.	18.	155.362	12.464	21.4	25.5	44.5	54.6
00929	SODIUM, TOTAL (MG/L AS NA)	01/15/74-10/23/84	13	2.	2.7	7.	1.	2.702	1.644	1.08	1.55	3.7	5.8
00937	POTASSIUM, TOTAL MG/L AS K)	01/15/74-10/23/84	13	1.1	1.19	2.2	0.	0.357	0.598	0.28	0.8	1.55	2.12
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/23/84	25	3.	3.82	11.	0.5	7.268	2.696	1.	2.	5.	8.8
00945	SULFATE, TOTAL (MG/L AS SO4)	01/15/74-10/23/84	18	15.5	17.889	38.	8.	60.928	7.806	8.9	13.	23.75	28.1
00951	FLUORIDE, TOTAL (MG/L AS F)	01/15/74-07/19/84	16	0.05	0.051	0.11	0.02	0.	0.019	0.027	0.04	0.058	0.075
01002	ARSENIC, TOTAL (UG/L AS AS)	01/15/74-10/23/84	17 ##	1.	2.068	13.	0.15	8.647	2.941	0.83	1.	2.5	5.
01007	BARIUM, TOTAL (UG/L AS BA)	07/16/75-10/23/84	10	40.	48.	90.	20.	395.556	19.889	22.	40.	62.5	88.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/15/74-10/23/84	18	1.	2.361	10.	0.5	7.141	2.672	0.5	1.	3.5	7.3
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/15/74-10/23/84	16 ##	0.5	0.844	3.	0.5	0.491	0.7	0.5	0.5	1.	2.3
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/23/74-10/23/84	12 ##	2.	2.833	10.	2.	5.424	2.329	2.	2.	2.	8.2
01042	COPPER, TOTAL (UG/L AS CU)	01/15/74-10/23/84	18	3.5	5.5	31.	1.	51.559	7.18	1.	1.75	6.	15.7
01045	IRON, TOTAL (UG/L AS FE)	01/15/74-10/23/84	18	620.	916.111	4600.	120.	961519.281	980.571	318.	475.	1075.	1684.
01051	LEAD, TOTAL (UG/L AS PB)	01/15/74-10/23/84	18 ##	10.	12.778	40.	5.	77.124	8.782	5.	10.	10.	31.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/15/74-10/23/84	18	78.	85.944	166.	44.	1135.585	33.698	52.1	62.	92.5	157.
01067	NICKEL, TOTAL (UG/L AS NI)	06/19/74-10/23/84	13 ##	10.	7.692	10.	5.	6.731	2.594	5.	5.	10.	10.
01077	SILVER, TOTAL (UG/L AS AG)	01/15/74-10/23/84	13 ##	1.	1.615	4.	1.	1.423	1.193	1.	1.	2.	4.
01092	ZINC, TOTAL (UG/L AS ZN)	01/15/74-10/23/84	12	18.	36.333	160.	6.	1799.152	42.416	7.2	10.5	50.5	127.6
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/16/75-10/23/84	10 ##	20.	18.	20.	10.	17.778	4.216	10.	17.5	20.	20.
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/15/74-10/23/84	12	325.	308.333	520.	120.	14378.788	119.912	144.	205.	390.	505.
01147	SELENIUM, TOTAL (UG/L AS SE)	01/15/74-10/23/84	10 ##	0.75	1.05	3.	0.5	0.692	0.832	0.5	0.5	1.25	2.9
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/15/74-10/23/84	18	2650.	5672.222	22000.	50.	50977124.183	7139.827	50.	400.	9025.	22000.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/15/74-10/23/84	18	3.423	3.284	4.342	1.699	0.667	0.817	1.699	2.602	3.943	4.342
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1921.978								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-10/23/84	25	200.	1315.	11000.	5.	5542812.5	2354.318	38.	70.	2200.	3460.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-10/23/84	25	2.301	2.484	4.041	0.699	0.706	0.84	1.54	1.845	3.342	3.531
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			305.058								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/22/75-10/23/84	16	51.5	56.063	87.	30.	253.796	15.931	36.3	46.25	66.25	86.3
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/14/76-10/23/84	13	0.012	0.02	0.078	0.007	0.	0.02	0.007	0.008	0.025	0.061
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	04/22/75-10/23/84	9	3.	2.889	9.	0.5	8.236	2.87	0.5	0.5	4.5	9.
71900	MERCURY, TOTAL (UG/L AS HG)	01/15/74-10/23/84	11 ##	0.05	0.086	0.2	0.05	0.004	0.06	0.05	0.05	0.1	0.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/22/75-10/23/84	16	16.	19.438	80.	5.	316.663	17.795	5.	9.25	24.75	42.9

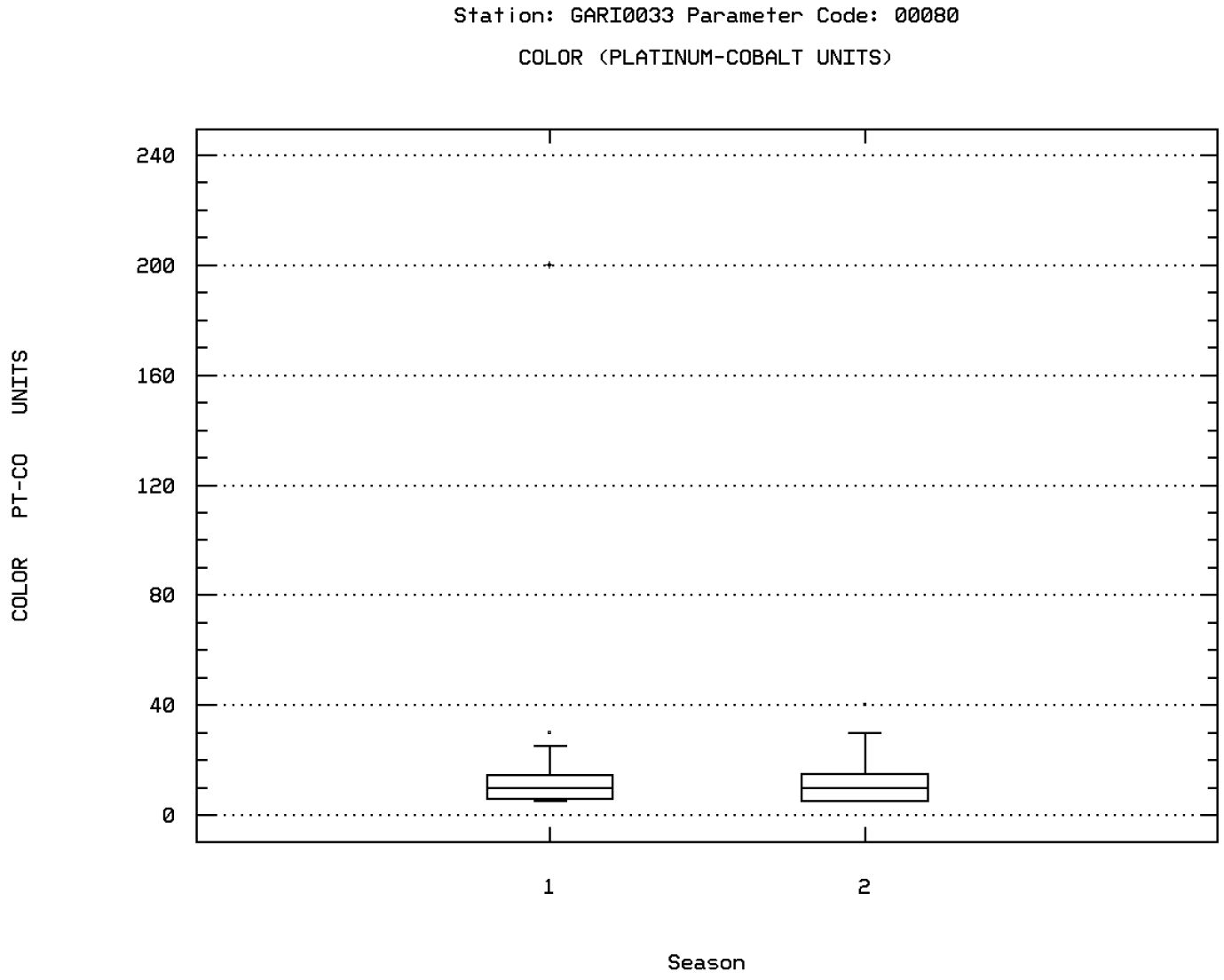
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GARI0033 Parameter Code: 00070

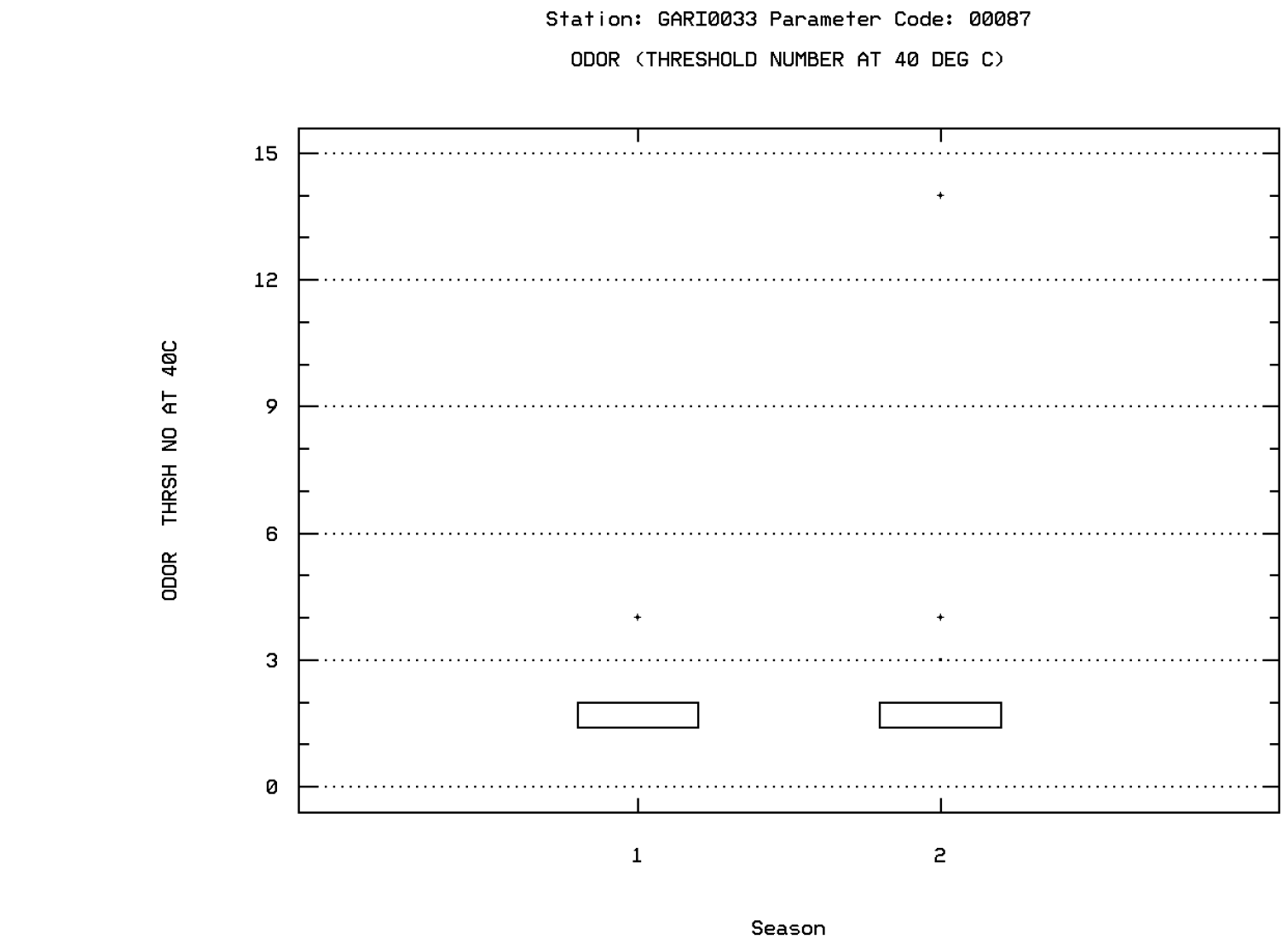
TURBIDITY, (JACKSON CANDLE UNITS)



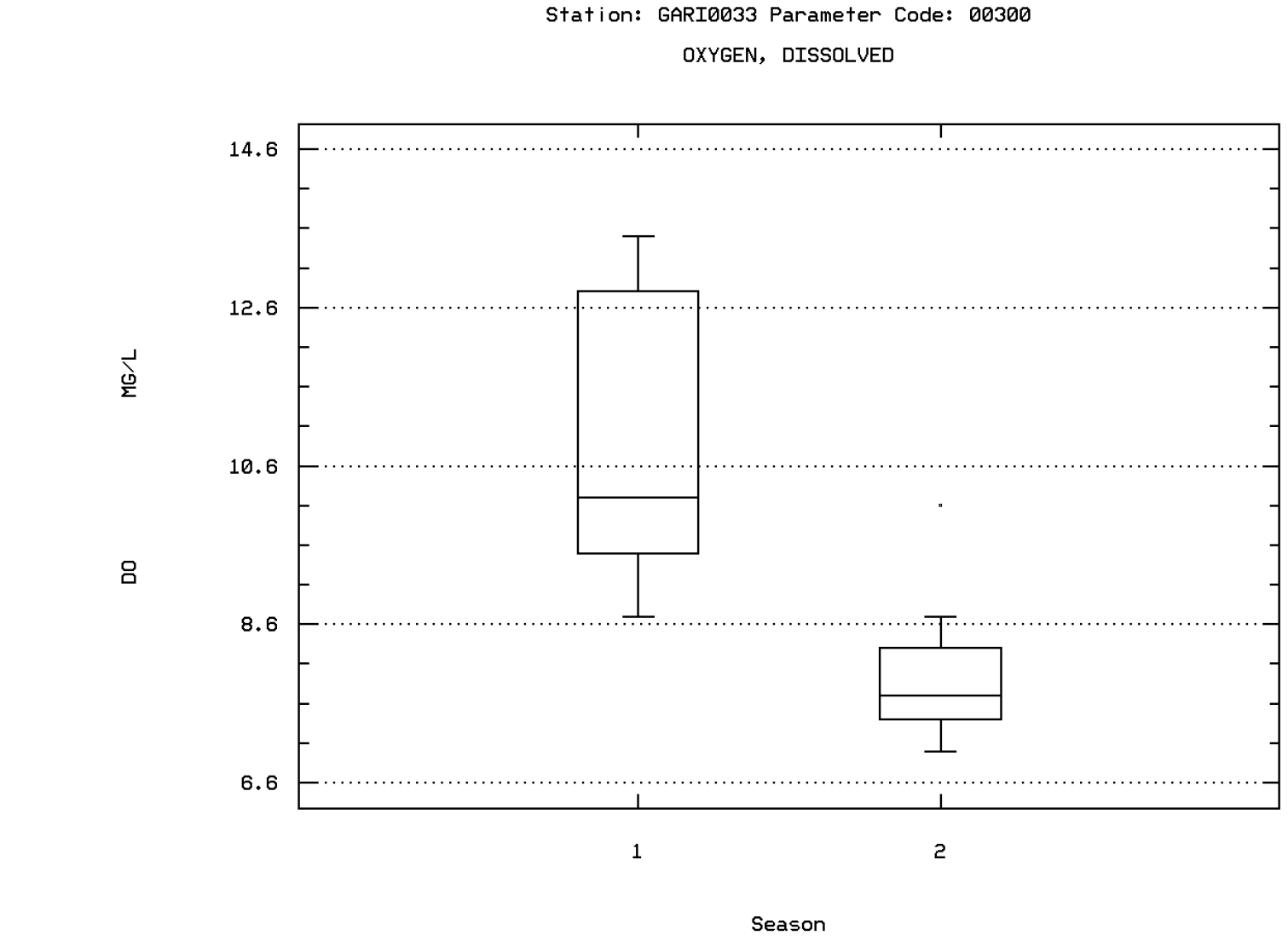
Meadow River near Nallen, W. Va.



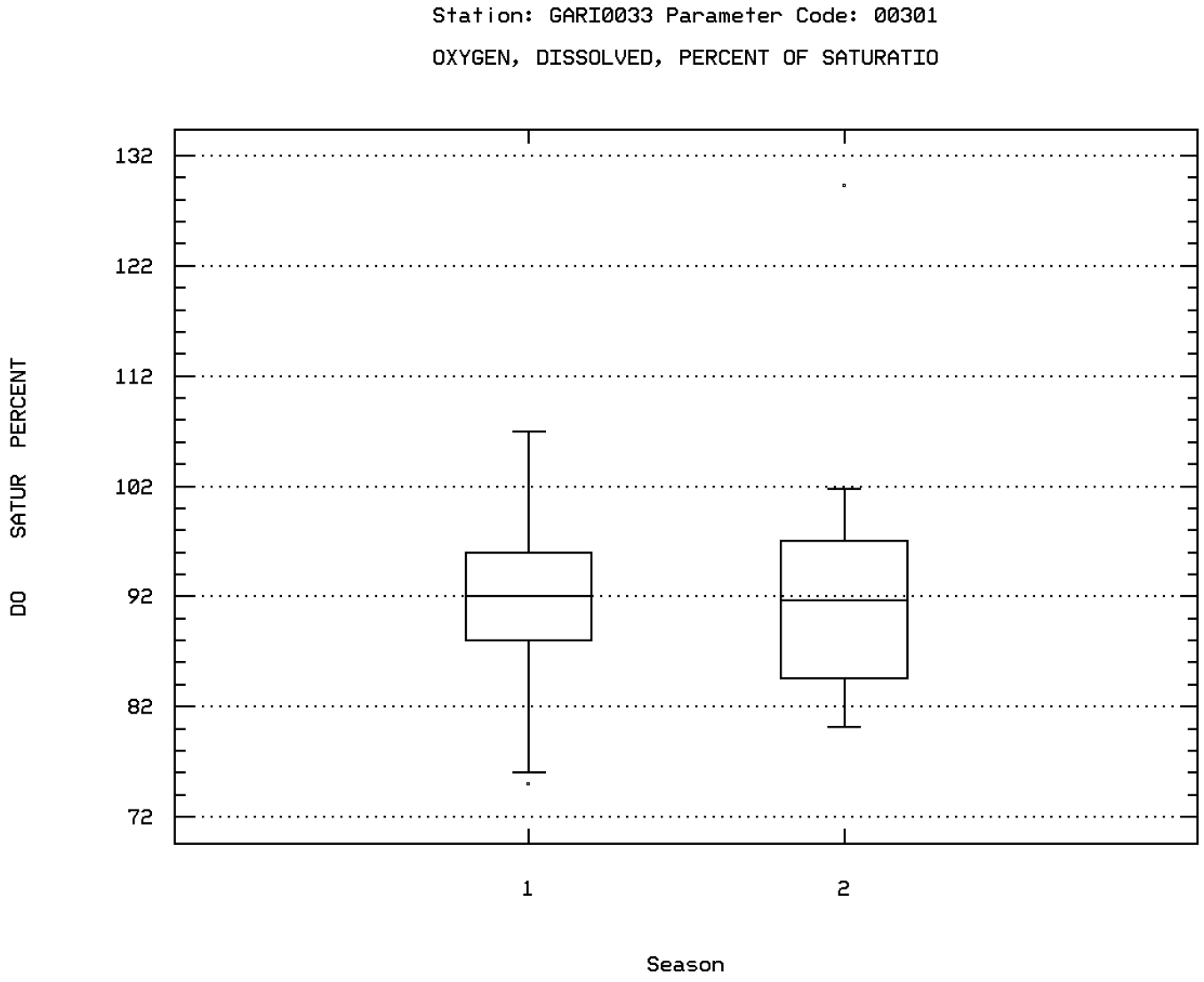
Meadow River near Nallen, W. Va.



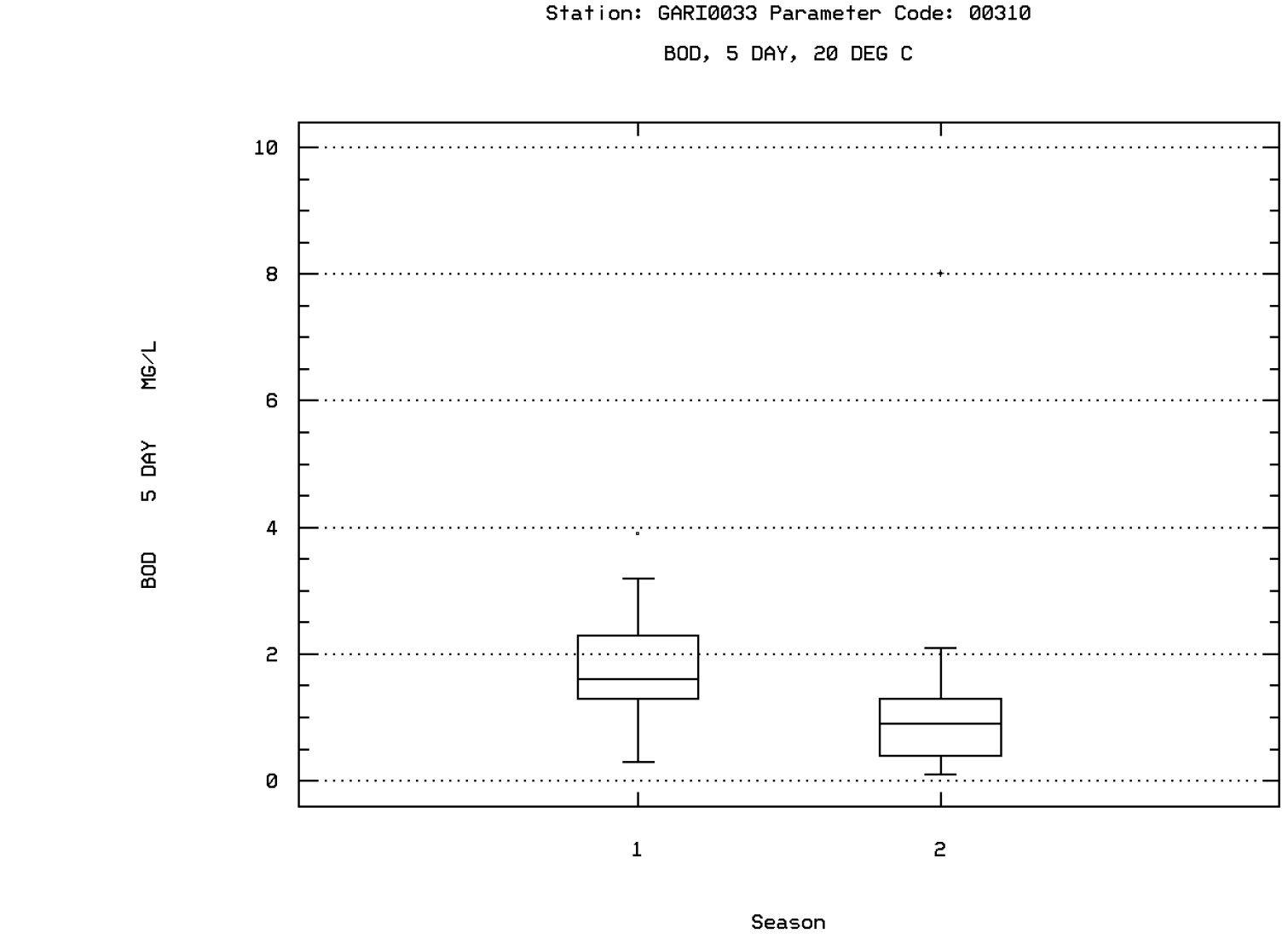
Meadow River near Nallen, W. Va.



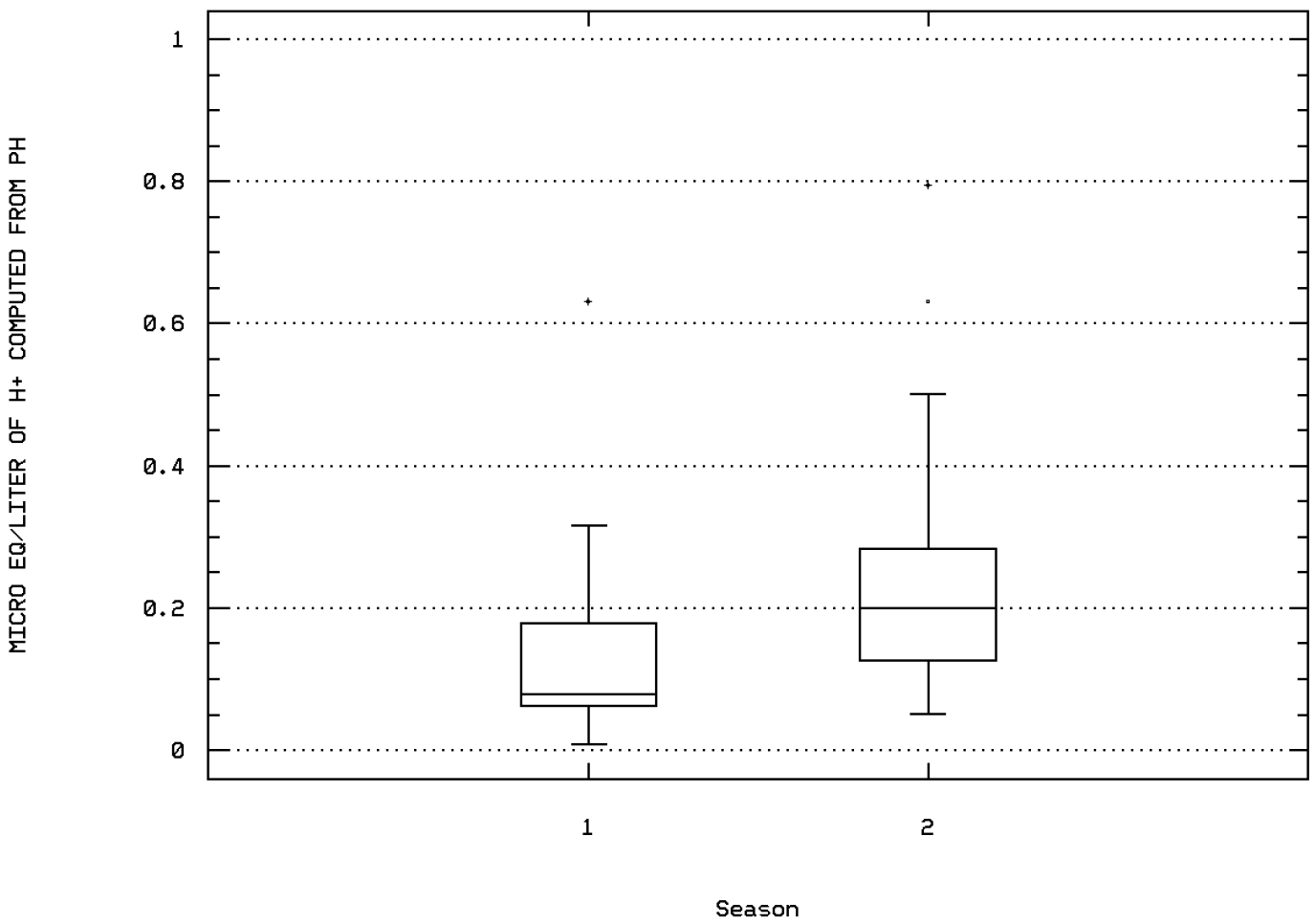
Meadow River near Nallen, W. Va.



Meadow River near Nallen, W. Va.



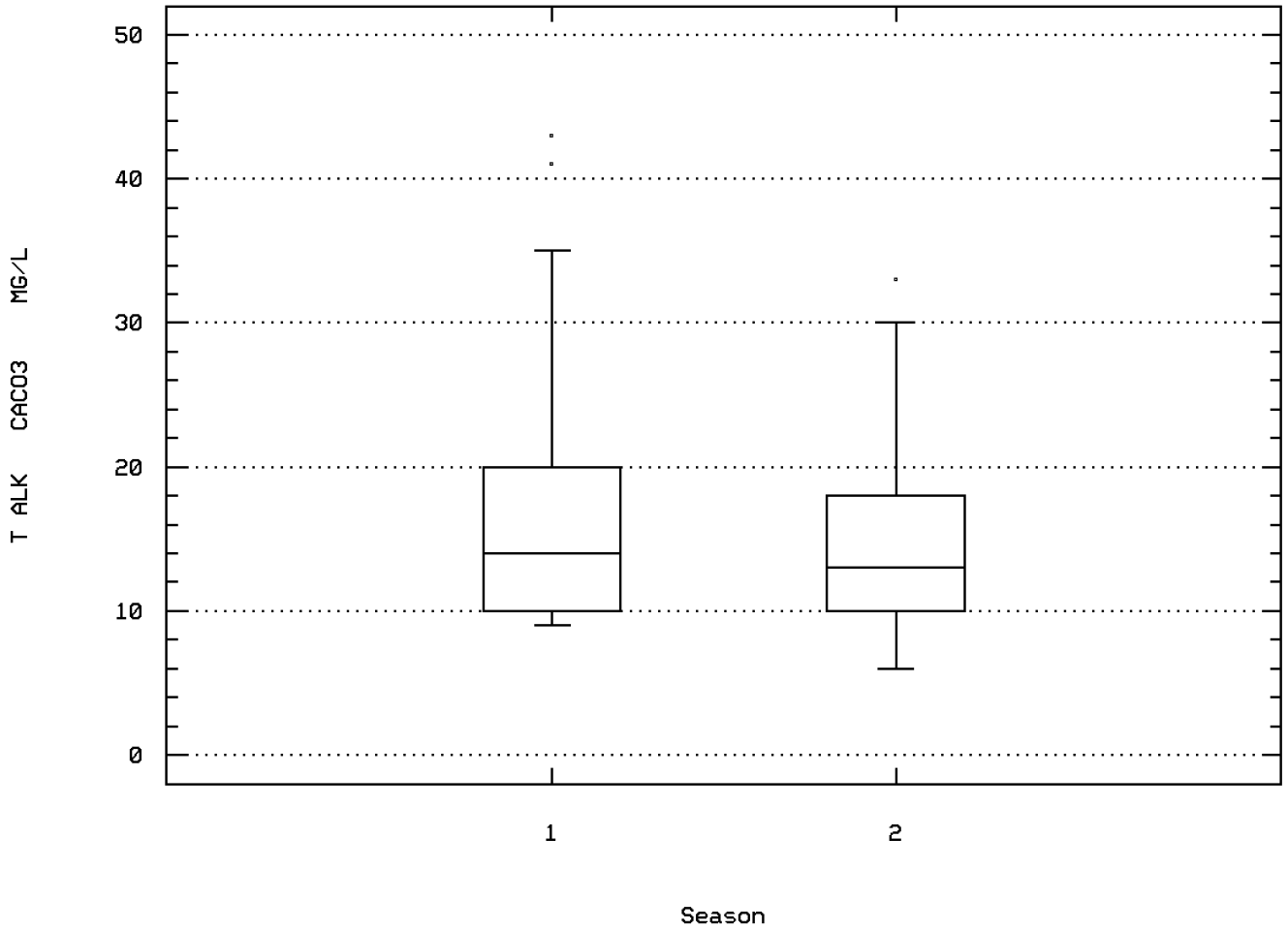
Meadow River near Nallen, W. Va.



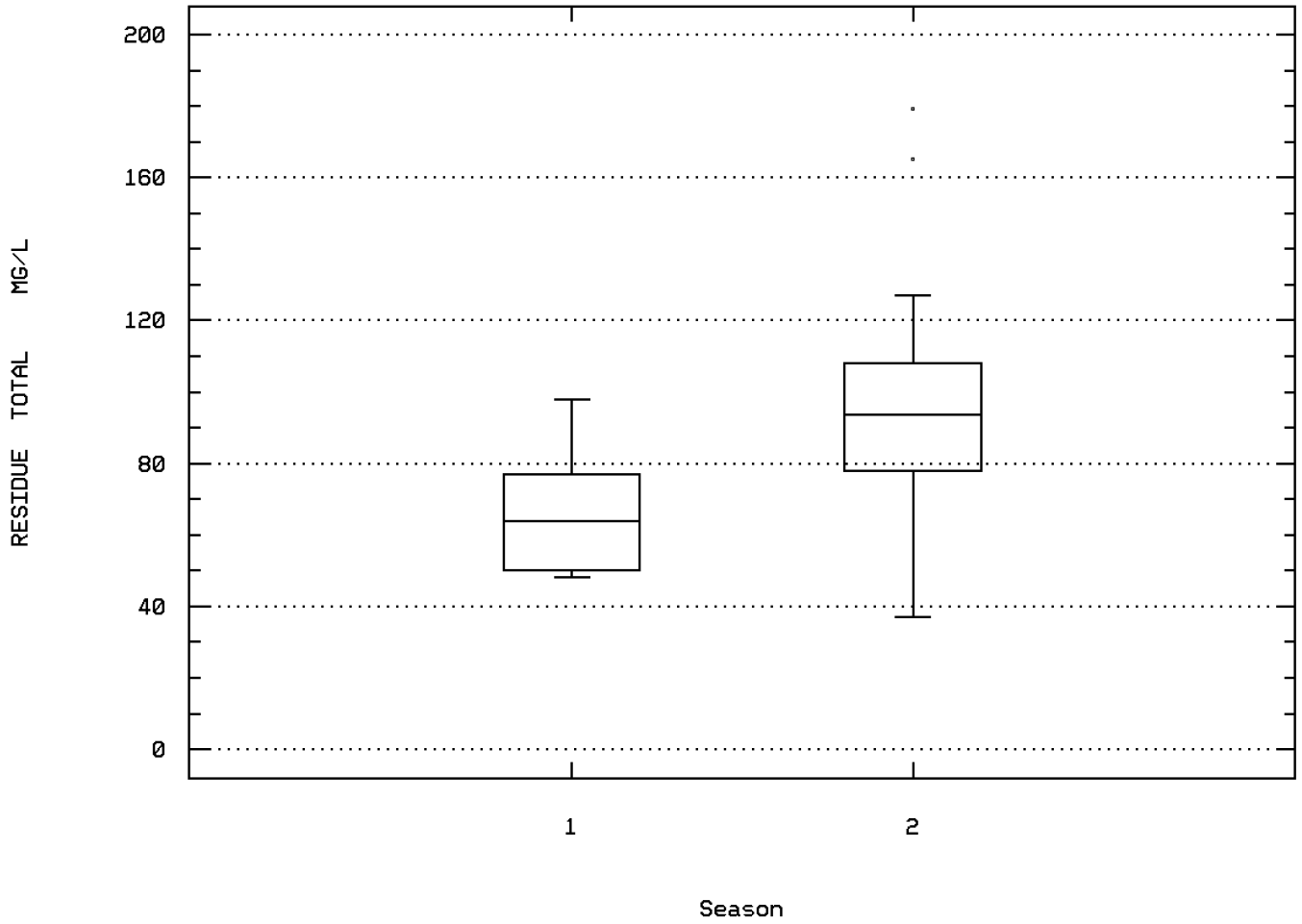
Meadow River near Nallen, W. Va.

Station: GARI0033 Parameter Code: 00410

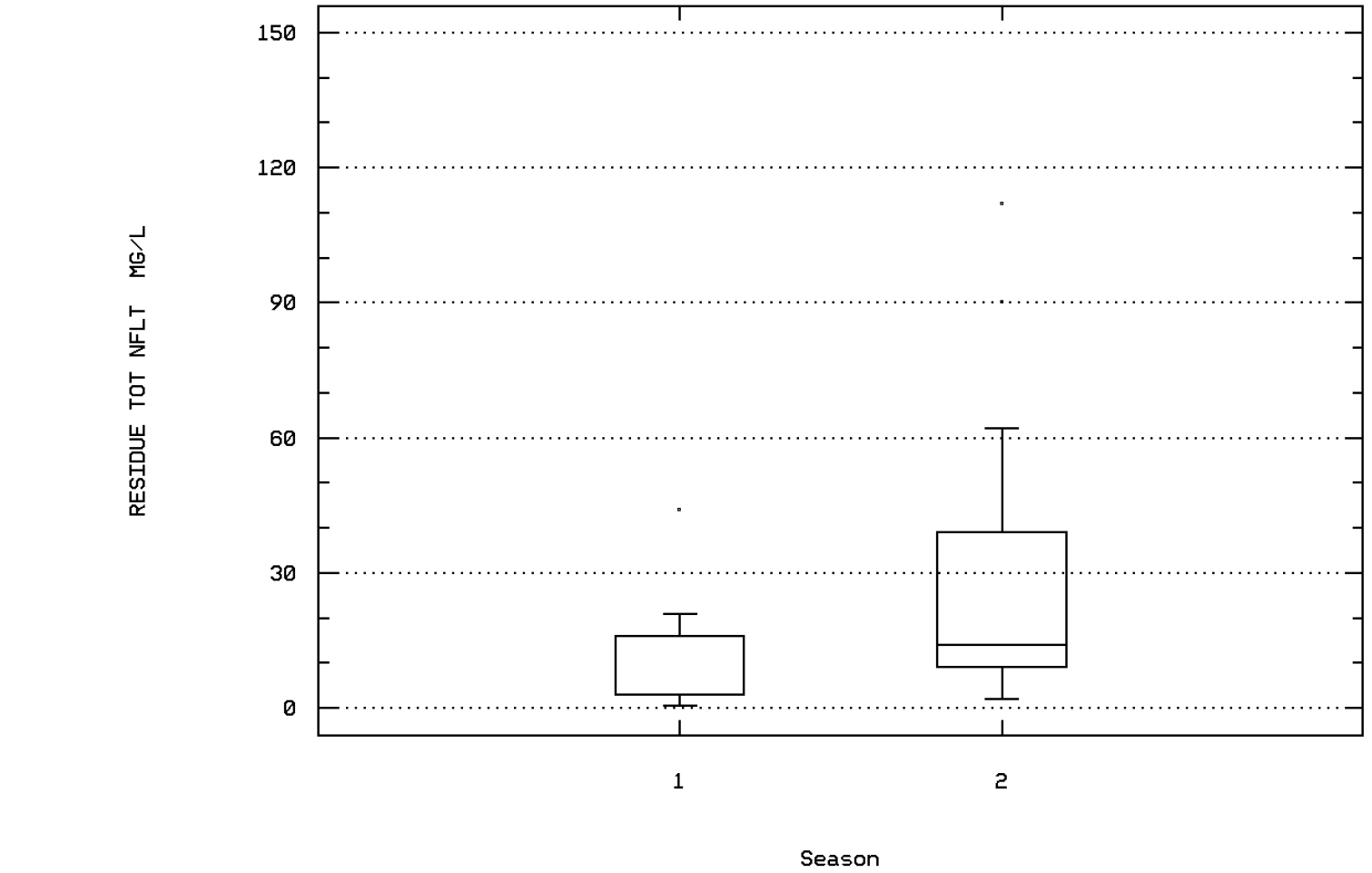
ALKALINITY, TOTAL (MG/L AS CACO3)



Meadow River near Nallen, W. Va.



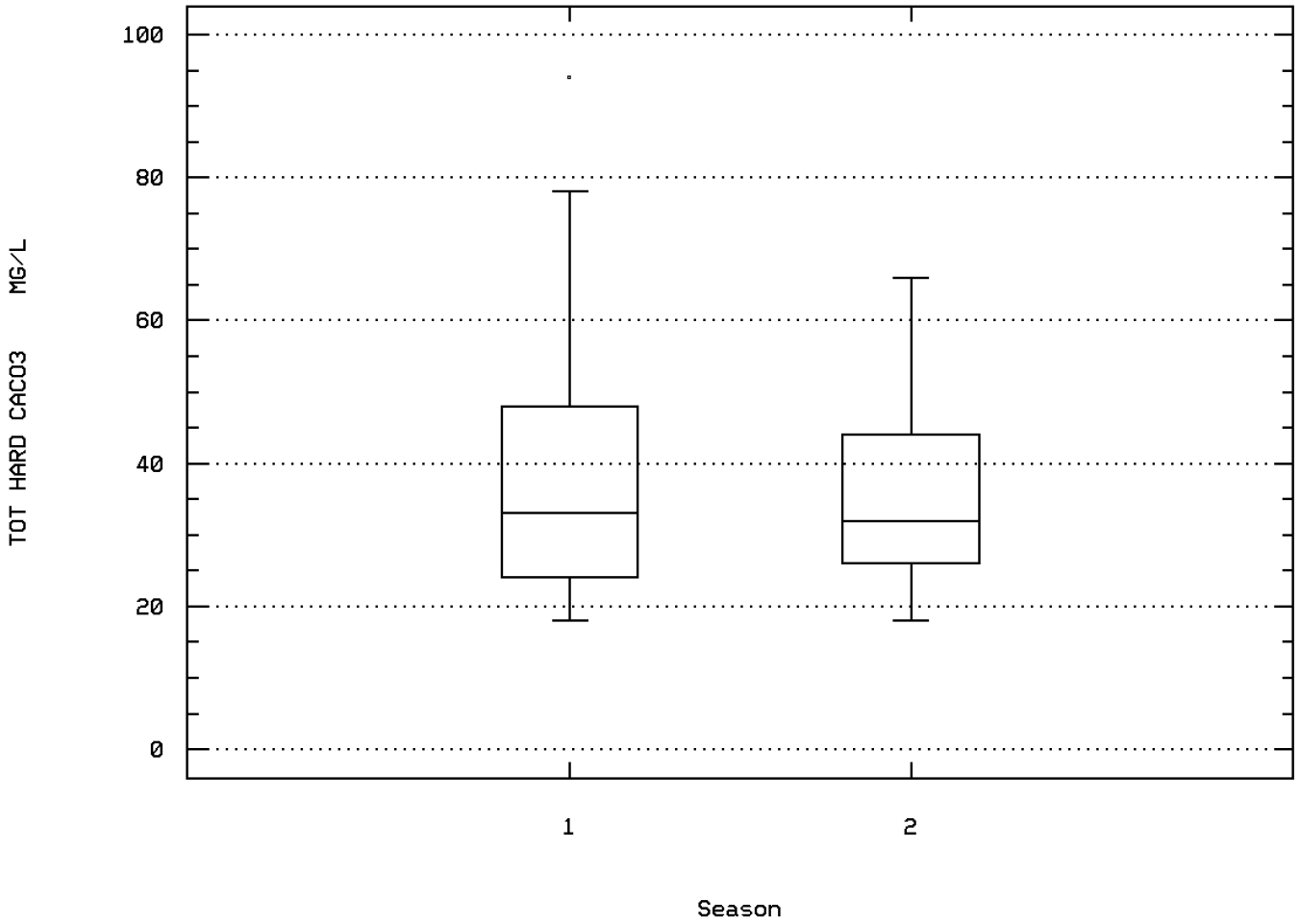
Meadow River near Nallen, W. Va.



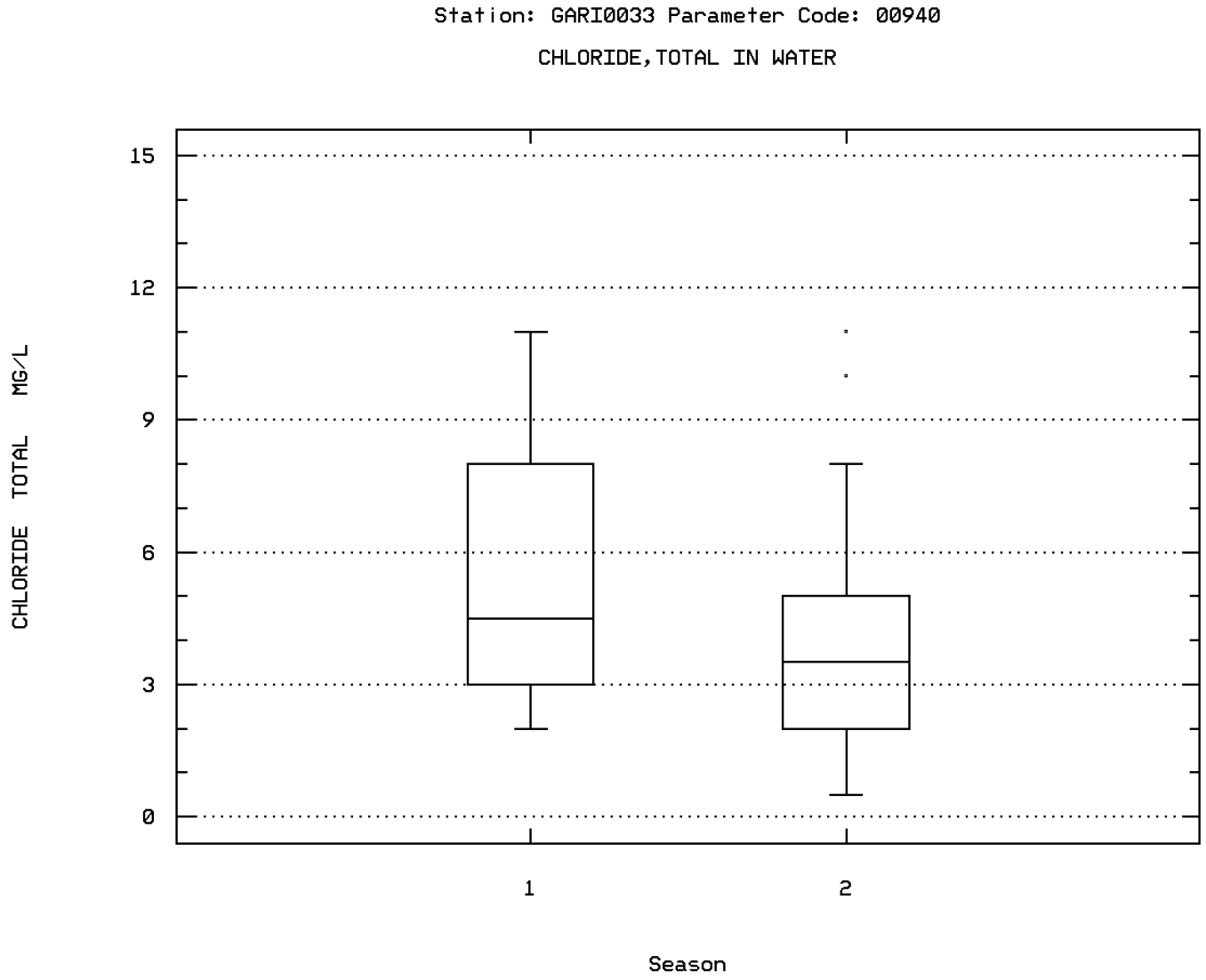
Meadow River near Nallen, W. Va.

Station: GARI0033 Parameter Code: 00900

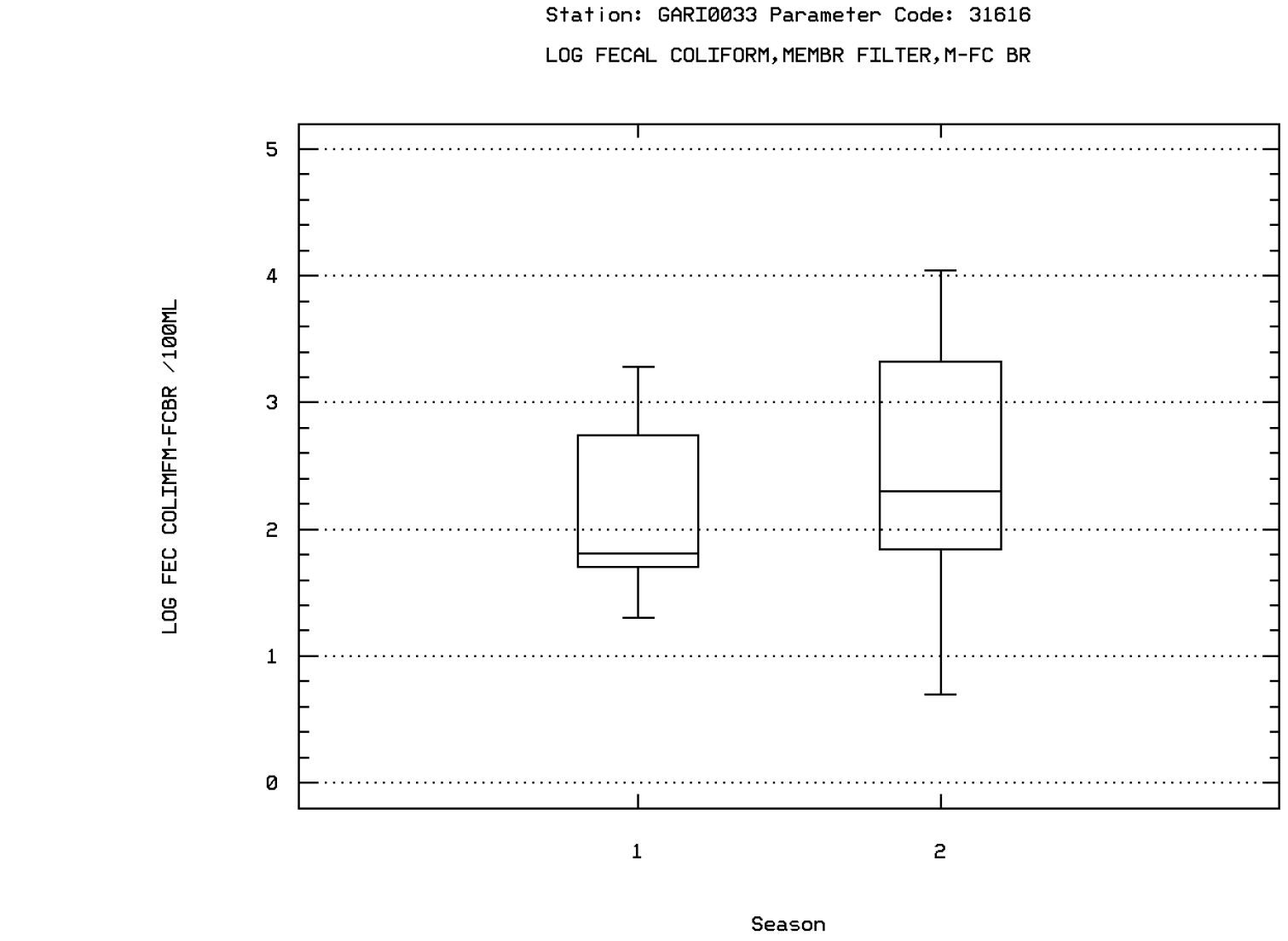
HARDNESS, TOTAL (MG/L AS CACO3)



Meadow River near Nallen, W. Va.



Meadow River near Nallen, W. Va.



Meadow River near Nallen, W. Va.

Station Inventory for Station: GARI0034

NPS Station ID: GARI0034
LAT/LON: 38.112504/ -80.876392
Agency: 112WRD
Date Created: / /
Location: MEADOW RIVER AT NALLEN, WV
FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03190000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005010
RF1 Mile Point: 1.910
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05050005006301.11
RF3 Mile Point: 2.54
Distance from RF3: 0.38
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/45-03/14/83	130	16.25	14.84	27.	0.	64.244	8.015	3.5	7.	22.	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/45-11/18/71	109	19.	17.17	34.5	-6.	92.907	9.639	6.	-4.95	24.5	28.
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/45-03/14/83	135	162.	413.185	4120.	2.	416550.092	645.407	23.6	63.	532.	924.6
00065	STAGE, STREAM (FEET)	03/03/71-08/11/71	5	4.51	5.066	6.06	4.34	0.733	0.856	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/30/60-10/27/66	3	4.	4.333	5.	4.	0.333	0.577	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/60-03/14/83	23	82.	86.087	148.	45.	678.719	26.052	54.4	68.	104.	126.4
00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/14/83	2	9.7	9.7	11.3	8.1	5.12	2.263	**	**	**	**
00400	PH (STANDARD UNITS)	08/30/60-03/14/83	22	7.1	7.141	8.2	6.2	0.281	0.53	6.5	6.7	7.45	8.04
00400	CONVERTED PH (STANDARD UNITS)	08/30/60-03/14/83	22	7.1	6.887	8.2	6.2	0.348	0.59	6.5	6.7	7.45	8.04
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/60-03/14/83	22	0.079	0.13	0.631	0.006	0.021	0.144	0.009	0.036	0.2	0.316
00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/14/83	3	7.1	7.2	7.7	6.8	0.21	0.458	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/81-03/14/83	3	7.1	7.066	7.7	6.8	0.237	0.487	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/14/83	3	0.079	0.086	0.158	0.02	0.005	0.069	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/24/81-08/24/81	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/30/60-03/14/83	9	18.	18.	30.	7.	64.75	8.047	7.	10.	25.	30.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/30/60-08/24/81	7	22.	22.143	36.	8.	105.476	10.27	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/30/60-08/24/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/60-03/14/83	12	18.	20.917	51.	0.	311.72	17.656	1.2	4.	38.	49.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/30/60-03/14/83	8	11.	11.625	29.	0.	134.554	11.6	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/30/60-03/14/83	12	7.15	7.008	13.	0.	14.677	3.831	1.08	4.	9.95	12.7
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/60-03/14/83	6	3.3	3.183	4.4	1.6	1.422	1.192	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/30/60-03/14/83	6	2.8	3.233	6.2	1.	3.415	1.848	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/30/60-03/14/83	6	0.25	0.25	0.4	0.1	0.011	0.105	**	**	**	**
00932	SODIUM, PERCENT	08/30/60-10/27/66	3	12.	13.333	16.	12.	5.333	2.309	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/30/60-10/27/66	3	1.2	1.167	1.5	0.8	0.123	0.351	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/30/60-03/14/83	12	4.5	4.417	8.	2.	3.72	1.929	2.	2.25	6.	7.4
00945	SULFATE, TOTAL (MG/L AS SO4)	08/30/60-03/14/83	6	22.	22.5	32.	13.	60.7	7.791	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/30/60-10/27/66	3	0.1	0.067	0.1	0.	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/30/60-08/24/81	4	1.9	2.15	3.7	1.1	1.217	1.103	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	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

Parameter Inventory for Station: GARI0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/14/83	3	340.	320.	430.	190.	14700.	121.244	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/14/83	3	380.	370.	510.	220.	21100.	145.258	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/30/60-03/14/83	5	84.	129.4	350.	30.	17045.8	130.56	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	490.	490.	490.	490.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/14/83	3	10.	10.	20.	0.	100.	10.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/30/60-03/14/83	5	50.	126.	480.	0.	39630.	199.073	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/14/83	3	36.	40.333	50.	35.	70.333	8.386	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/60-03/14/83	4	59.5	56.75	78.	30.	407.583	20.189	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/30/60-08/24/81	4	50.5	51.25	73.	31.	382.917	19.568	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	2	6.72	6.72	6.74	6.7	0.001	0.028	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/30/60-08/24/81	5	0.09	0.078	0.11	0.04	0.001	0.031	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	04/13/71-03/14/83	3	0.05	1.35	4.	0.	5.267	2.295	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/30/60-08/24/81	4	0.5	0.5	0.9	0.1	0.167	0.408	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/24/81-08/24/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/14/83	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	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

EPA Water Quality Criteria Analysis for Station: GARI0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	22	0	0.00	11	0	0.00	11	0	0.00						
		Other-Lo Lim.	6.5	22	3	0.14	11	1	0.09	11	2	0.18						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
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.	12	0	0.00	5	0	0.00	7	0	0.00						
		Drinking Water	250.	12	0	0.00	5	0	0.00	7	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	2	0	0.00	4	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	3	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						

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

Seasonal Analysis for Season #1: 10/01 to 4/14 - Station GARI0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/45-03/14/83	57	6.5	7.23	18.	0.	22.509	4.744	1.5	3.75	10.05	14.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/45-11/18/71	55	11.	10.382	24.	-6.	56.922	7.545	1.5	6.	16.	20.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/45-03/14/83	64	375.5	616.078	4120.	3.	665081.248	815.525	47.	105.	717.5	1570.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/60-03/14/83	10	70.	74.3	110.	58.	240.011	15.492	58.2	63.75	83.5	107.8
00400p	PH (STANDARD UNITS)	08/30/60-03/14/83	11	7.1	7.245	8.2	6.5	0.301	0.548	6.54	6.7	7.8	8.14
00400p	CONVERTED PH (STANDARD UNITS)	08/30/60-03/14/83	11	7.1	6.994	8.2	6.5	0.37	0.608	6.54	6.7	7.8	8.14
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/60-03/14/83	11	0.079	0.101	0.316	0.006	0.01	0.099	0.008	0.016	0.2	0.293

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

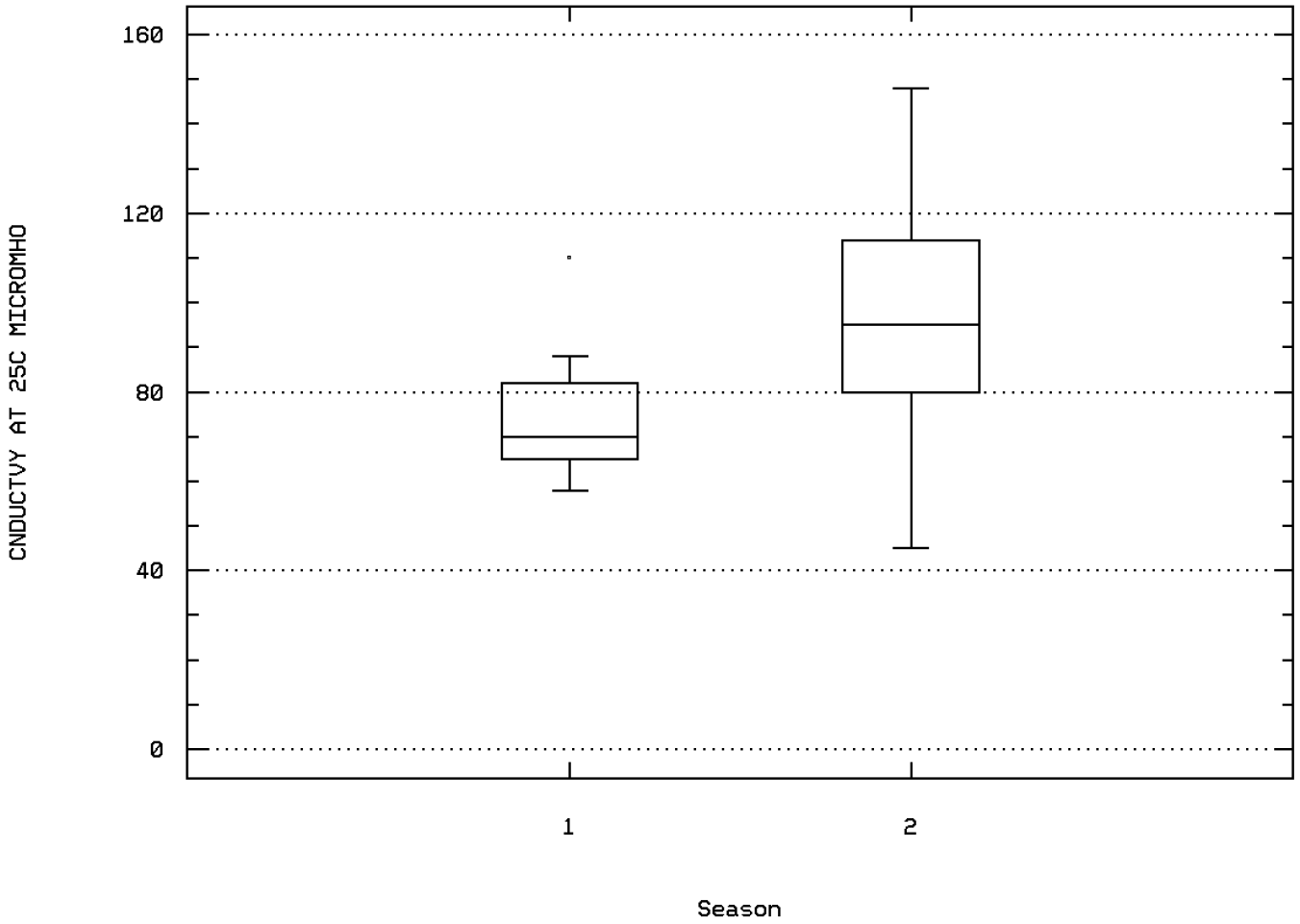
Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/14/45-03/14/83	73	21.5	20.782	27.	8.5	15.948	3.993	14.96	18.75	23.5	24.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/45-11/18/71	54	24.5	24.083	34.5	3.	34.809	5.9	15.	22.375	28.	29.
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/14/45-03/14/83	71	99.	230.296	2080.	2.	127259.326	356.734	20.	39.	187.	649.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/60-03/14/83	13	95.	95.154	148.	45.	859.474	29.317	47.8	77.	116.	141.6
00400p	PH (STANDARD UNITS)	08/30/60-03/14/83	11	7.	7.036	8.1	6.2	0.265	0.514	6.26	6.7	7.2	8.
00400p	CONVERTED PH (STANDARD UNITS)	08/30/60-03/14/83	11	7.	6.802	8.1	6.2	0.325	0.57	6.26	6.7	7.2	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/60-03/14/83	11	0.1	0.158	0.631	0.008	0.032	0.179	0.011	0.063	0.2	0.568

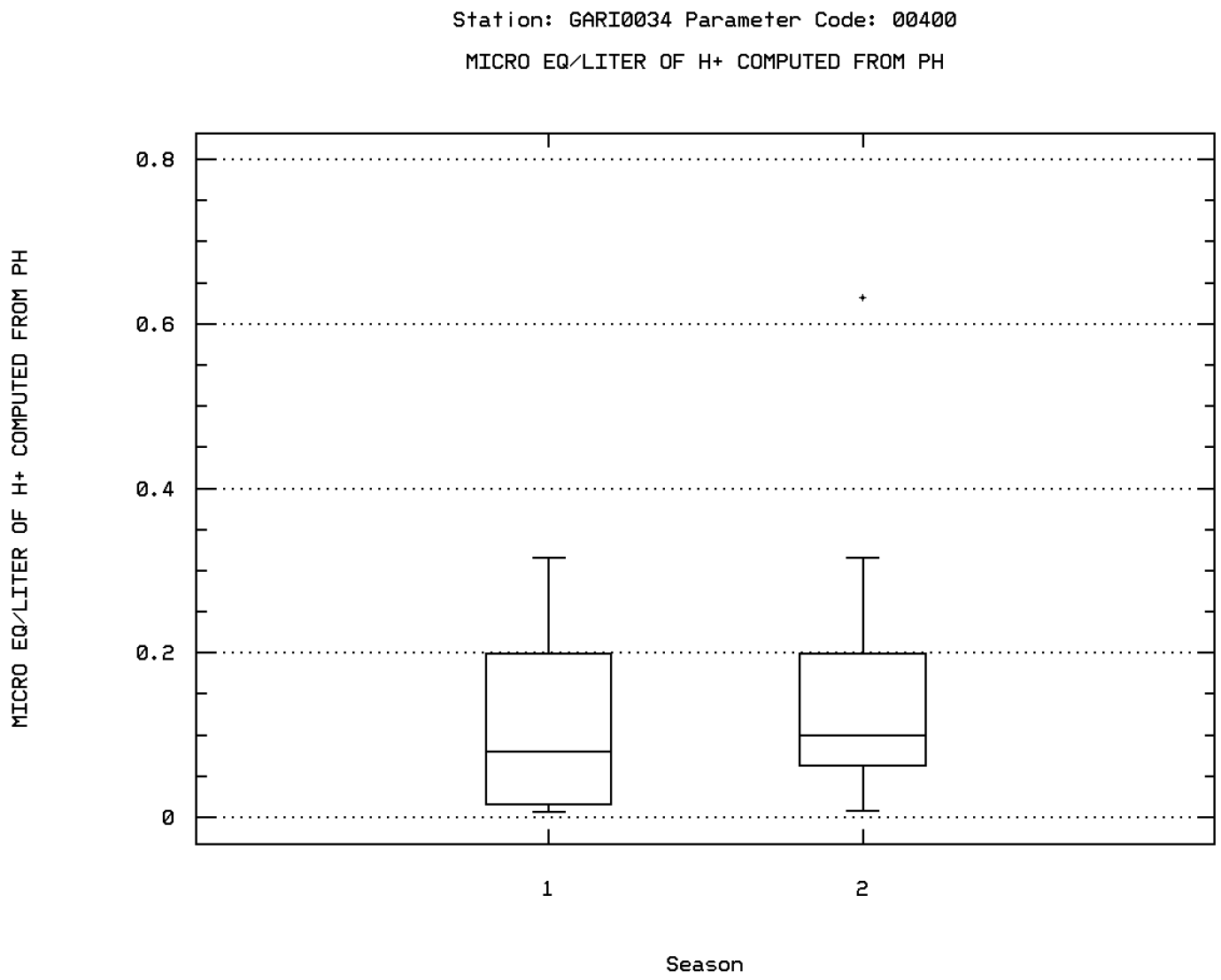
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GARI0034 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



MEADOW RIVER AT NALLEN, WV



MEADOW RIVER AT NALLEN, WV

Station Inventory for Station: GARI0035

NPS Station ID: GARI0035
LAT/LON: 38.223837/ -80.878392
Agency: 11COEHUN
Date Created: 05/19/76
Location: SUMMERSVILLE RESERVOIR
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0010
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 035.60
HUC: 05050005
Depth of Water: 260
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 9.620
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005022600.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
LOCATED IN SUMMERSVILLE LAKE ON GAULEY R 3600 FT ABOVE THE DAM. GRAB SAMPLED BY ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694
NICHOLAS COUNTY SUMMERSVILLE DAM WV QUAD

Parameter Inventory for Station: GARI0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/75-09/01/81	265	15.9	15.58	28.3	4.4	29.476	5.429	8.04	12.45	19.	23.28
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/31/75-09/01/81	16	25.5	26.5	35.	23.	8.667	2.944	23.7	25.	27.75	31.5
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	05/05/81-06/02/81	32	36.	38.831	100.	0.	1217.134	34.887	0.	1.925	68.75	94.9
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	06/02/81-09/01/81	195	68.	61.989	100.	2.7	774.311	27.826	12.	43.	86.	91.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/75-07/31/75	31	4.	4.097	5.	3.	0.757	0.87	3.	3.	5.	5.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	06/02/81-09/01/81	3	276.	248.	300.	168.	4944.	70.314	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/05/81-09/01/81	195	290.	308.456	456.	110.	7828.157	88.477	216.	240.	405.	446.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/05/81-09/01/81	245	48.	48.318	97.	14.	440.734	20.994	15.	37.	66.	75.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/75-07/31/75	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/31/75-09/01/81	265	7.8	6.949	9.8	0.	5.69	2.385	3.32	5.65	8.7	9.
00400	PH (STANDARD UNITS)	07/31/75-09/01/81	246	5.9	5.9	7.3	5.1	0.217	0.466	5.3	5.5	6.2	6.53
00400	CONVERTED PH (STANDARD UNITS)	07/31/75-09/01/81	246	5.9	5.704	7.3	5.1	0.255	0.505	5.3	5.5	6.2	6.53
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/75-09/01/81	246	1.259	1.976	7.943	0.05	2.906	1.705	0.297	0.631	3.162	5.012
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/05/81-06/02/81	32	1.55	1.334	3.2	0.	0.838	0.916	0.	0.625	2.	2.69
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-09/01/81	244	37.5	42.316	140.	15.	722.291	26.875	15.	20.	55.	90.

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

EPA Water Quality Criteria Analysis for Station: GARI0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	31	0	0.00				31	0	0.00						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	265	41	0.15				265	41	0.15						
00400	PH	Other-Hi Lim.	9.	246	0	0.00				246	0	0.00						
		Other-Lo Lim.	6.5	246	222	0.90				246	222	0.90						

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

Station Inventory for Station: GARI0036

NPS Station ID: GARI0036
LAT/LON: 38.239948/ -80.879892
Agency: 11COEHUN
Date Created: 03/29/80
Location: MCKEE CK.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0016
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 035.60
HUC: 05050005
Depth of Water: 10
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 11.210
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005002503.01
RF3 Mile Point: 3.71
Distance from RF3: 0.05
On/Off RF3:
Description:
STATION IS LOCATED ON MCKEE CK OF SUMMERSVILLE LAKE. IT IS JUST BELOW THE TREATMENT PLANT AT THE MARINA. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON 304-529-5694 SUMMERSVILLE DAM WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/79-09/10/79	3	24.5	24.667	25.5	24.	0.583	0.764	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/20/79-07/20/79	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/79-09/10/79	3	50.	48.667	59.	37.	122.333	11.06	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/79-09/10/79	3	8.5	8.767	9.4	8.4	0.303	0.551	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/79-09/10/79	3	7.6	7.667	8.	7.4	0.093	0.306	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/79-09/10/79	3	7.6	7.602	8.	7.4	0.1	0.315	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/79-09/10/79	3	0.025	0.025	0.04	0.01	0.	0.015	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-09/10/79	4	375.	401.25	625.	230.	34272.917	185.129	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-09/10/79	4	2.556	2.568	2.796	2.362	0.042	0.205	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			369.448								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	4	4.	10.25	32.	1.	212.25	14.569	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-09/10/79	4	0.602	0.677	1.505	0.	0.385	0.621	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.757								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-09/10/79	4	12.5	55.5	195.	2.	8721.667	93.39	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-09/10/79	4	0.962	1.129	2.29	0.301	0.783	0.885	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			13.454								

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

EPA Water Quality Criteria Analysis for Station: GARI0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00				3	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00				4	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	0	0.00				4	0	0.00						

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

Station Inventory for Station: GARI0037

NPS Station ID: GARI0037
LAT/LON: 38.316393/ -80.880282
Agency: 112WRD
Date Created: 11/06/82
Location: PINE RUN BLW MINING
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381859080524901
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.10
On/Off RF1:
RF3 Index: 05050005003901.47
RF3 Mile Point: 3.23
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/82-08/17/82	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/17/82-08/17/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/82-08/17/82	1	565.	565.	565.	565.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/17/82-08/17/82	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/17/82-08/17/82	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/82-08/17/82	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/17/82-08/17/82	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/17/82-08/17/82	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/82-08/17/82	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/17/82-08/17/82	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/17/82-08/17/82	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/17/82-08/17/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/17/82-08/17/82	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/17/82-08/17/82	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/17/82-08/17/82	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/17/82-08/17/82	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/82-08/17/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/17/82-08/17/82	1	58.	58.	58.	58.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	08/17/82-08/17/82	1	850.	850.	850.	850.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/17/82-08/17/82	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/17/82-08/17/82	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/17/82-08/17/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/17/82-08/17/82	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/17/82-08/17/82	1	120.	120.	120.	120.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/82-08/17/82	1	397.	397.	397.	397.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/17/82-08/17/82	1	1.72	1.72	1.72	1.72	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/17/82-08/17/82	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0038

NPS Station ID: GARI0038
LAT/LON: 38.241587/ -80.880615
Agency: 11COEHUN
Date Created: 03/29/80
Location: MCKEE CK.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0015
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 035.60
HUC: 05050005
Depth of Water: 15
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 11.210
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005002500.01
RF3 Mile Point: 1.30
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION IS LOCATED ON MCKEE CK ABOVE THE MARINA. STATION IS AT THE SWIMMING AREA NEXT TO THE PARKING LOT. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON 304-529-5694 SUMMERSVILLE DAM WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/10/79	3	24.5	24.533	25.5	23.6	0.903	0.95	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-07/20/79	2	277.5	277.5	365.	190.	15312.5	123.744	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	3	47.	44.	48.	37.	37.	6.083	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	3	8.4	8.567	9.3	8.	0.443	0.666	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	3	7.3	7.5	8.2	7.	0.39	0.624	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	3	7.3	7.283	8.2	7.	0.461	0.679	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	3	0.05	0.052	0.1	0.006	0.002	0.047	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/10/79	3	77.	392.667	1100.	1.	376684.333	613.746	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/15/79-09/10/79	3	1.886	1.643	3.041	0.	2.357	1.535	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			43.917								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	3 ##	1.	0.667	1.	0.	0.333	0.577	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/10/79	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/10/79	3	4.	4.	7.	1.	9.	3.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/15/79-09/10/79	3	0.602	0.482	0.845	0.	0.189	0.435	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3.037								

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

EPA Water Quality Criteria Analysis for Station: GARI0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00				3	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	3	1	0.33				3	1	0.33						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00				3	0	0.00						

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

Station Inventory for Station: GARI0039

NPS Station ID: GARI0039
LAT/LON: 38.231392/ -80.881309
Agency: 21WV7IWQ
Date Created: 09/19/81
Location: Mckee Creek in Summersville Lake Reservoir
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /RESERV/TYPA/AMBNT/FISH/TISSUE
STORET Station ID(s): 550866 /KG-36-01
RMI-Indexes: 1021500 007720 15040 2370 0870
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 036.00 000.44
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: Ohio River
Elevation: 0
Water Body Id: WVK(L)-82-(1)
Minor Basin: Kanawha River / Gauley River
ECO Region: 69M
RF1 Index: 05050005029
RF1 Mile Point: 10.250
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005006500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:
Mckee Creek in Summersville Lake Reservoir beside the Campground and 0.6 Miles below the Marina and near its mouth with Gauley River, Nicholas County, West Virginia. A One Time Intensive Stream Survey Station. Data collected and analyzed by Division of Water Resources, W. Va. Dept. of Natural

Parameter Inventory for Station: GARI0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00023	SAMPLE WEIGHT IN POUNDS	10/17/80-10/17/80	2	0.495	0.495	0.74	0.25	0.12	0.346	**	**	**	**
00024	SAMPLE LENGTH IN INCHES	10/17/80-10/17/80	2	9.84	9.84	11.81	7.87	7.762	2.786	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	10/17/80-10/17/80	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/17/80-10/17/80	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/17/80-10/17/80	2 ##	0.01	0.01	0.014	0.005	0.	0.006	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/17/80-10/17/80	2 ##	0.009	0.009	0.012	0.005	0.	0.005	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/17/80-10/17/80	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/17/80-10/17/80	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	10/17/80-10/17/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39317	P,P' DDT IN FISH OR ANIMAL BY WET WEIGHT UG/KG	10/17/80-10/17/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39318	O,P' DDT IN FISH OR ANIMAL BY WET WEIGHT UG/KG	10/17/80-10/17/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/17/80-10/17/80	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/17/80-10/17/80	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39512	PCB - 1254 IN FISH OR ANIMALS WET WGT UG/KG	10/17/80-10/17/80	2 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	10/17/80-10/17/80	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/17/80-10/17/80	2	0.265	0.265	0.33	0.2	0.008	0.092	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/80-10/17/80	2	2.	2.	2.	2.	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/80-10/17/80	2	0.635	0.635	0.9	0.37	0.14	0.375	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/17/80-10/17/80	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/17/80-10/17/80	2	0.14	0.14	0.15	0.13	0.	0.014	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/17/80-10/17/80	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	10/17/80-10/17/80	2	1.	1.	1.	1.	0.	0.	**	**	**	**
81760	O,P'-DDE IN FISH TISSUE WET WEIGHT MG/KG	10/17/80-10/17/80	2 ##	0.012	0.012	0.019	0.005	0.	0.01	**	**	**	**

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

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

Station Inventory for Station: GARI0040

NPS Station ID: GARI0040 | LAT/LON: 38.261392/ -80.884170 | Agency: 11EPALES | Date Created: / /
Location: SUMMERSVILLE RESERVOIR | FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 540302
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05050005 | Depth of Water: 21 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 05050005029 | RF1 Mile Point: 16.570 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 05050005002404.86 | RF3 Mile Point: 5.07 | Distance from RF3: 0.13 | On/Off RF3:
Description:
NORTHWESTERN ARM, IN COVE AREA ABOUT 1/2 TO 1/4 MILE FROM UPPER END. COMMENTS: 4-3, ULE 15, ONE PER CENT LIGHT AT 3 FT; 4 PER CENT LIGHT AT ONE FT; WATER ABOUT SAME COLOR AND QUALITY AS SITE ONE. 7-18, FORRELL 1 ONE PERCENT LIGHT AT 39 FT; ONE PERCENT LIGHT REFLECTED AT SURFACE; WATER IS VERY CLEAR AND BLUISH GREEN IN COLOR; DEPTH 58 FT; TURB MEAS

Parameter Inventory for Station: GARI0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/73-09/28/73	18	23.65	21.833	27.4	10.	30.2	5.495	11.62	19.725	26.475	27.04
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	04/03/73-09/28/73	18	108.5	99.872	119.	53.	423.117	20.57	56.6	95.75	113.5	116.3
00077	TRANSPARENCY, SECCHI DISC (INCHES)	04/03/73-09/28/73	3	112.	127.333	252.	18.	13865.333	117.751	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/73-09/28/73	15	55.	55.8	67.	44.	66.457	8.152	44.6	46.	65.	66.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/73-09/28/73	18	365.	280.944	396.	51.	16644.644	129.014	51.9	187.	384.5	393.3
00300	OXYGEN, DISSOLVED MG/L	04/03/73-09/28/73	9	8.4	8.511	10.8	6.9	1.754	1.324	6.9	7.4	9.5	10.8
00400	PH (STANDARD UNITS)	04/03/73-09/28/73	11	7.	6.736	7.2	6.1	0.195	0.441	6.12	6.2	7.1	7.2
00400	CONVERTED PH (STANDARD UNITS)	04/03/73-09/28/73	11	7.	6.538	7.2	6.1	0.238	0.488	6.12	6.2	7.1	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/73-09/28/73	11	0.1	0.29	0.794	0.063	0.076	0.276	0.063	0.079	0.631	0.762
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/73-09/28/73	11 ##	5.	7.	11.	5.	7.8	2.793	5.	5.	10.	11.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/03/73-09/28/73	11	0.05	0.055	0.09	0.04	0.	0.017	0.04	0.04	0.06	0.088
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/73-09/28/73	11	0.4	0.327	0.6	0.1	0.044	0.21	0.1	0.1	0.5	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/03/73-09/28/73	11	0.51	0.539	0.79	0.33	0.033	0.182	0.332	0.35	0.76	0.788
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/73-09/28/73	11	0.01	0.012	0.027	0.007	0.	0.006	0.007	0.008	0.015	0.025
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/73-09/28/73	11	0.006	0.006	0.009	0.002	0.	0.002	0.002	0.002	0.007	0.009
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/03/73-09/28/73	3	7.2	6.533	12.1	0.3	35.143	5.928	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	04/03/73-09/28/73	3	40.	39.667	58.	21.	342.333	18.502	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	2	0	0.00	7	0	0.00						
00400	PH	Other-Hi Lim.	9.	11	0	0.00	3	0	0.00	8	0	0.00						
		Other-Lo Lim.	6.5	11	4	0.36	3	0	0.00	8	4	0.50						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	3	0	0.00	8	0	0.00						

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

Station Inventory for Station: GARI0041

NPS Station ID: GARI0041 LAT/LON: 38.138337/ -80.885559 Agency: 112WRD Date Created: 06/16/79
Location: R21.0ANGLINS CR @ HWY 41 BR NR POOL WV FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 380818080530839
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05050005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05050005 RF1 Mile Point: 0.000 Distance from RF1: 3.90 On/Off RF1:
RF3 Index: 05050005004401.71 RF3 Mile Point: 1.81 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GARI0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/25/79-09/20/83	8	16.	14.25	22.5	4.5	39.571	6.291	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/25/79-09/20/83	8	72.5	84.925	214.	0.4	7372.731	85.865	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/25/79-09/20/83	8	46.	46.25	99.	16.	651.929	25.533	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/14/83	2	10.3	10.3	11.8	8.8	4.5	2.121	**	**	**	**
00400	PH (STANDARD UNITS)	05/25/79-09/20/83	8	6.6	6.512	7.	5.7	0.187	0.432	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/25/79-09/20/83	8	6.589	6.298	7.	5.7	0.24	0.489	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/25/79-09/20/83	8	0.258	0.503	1.995	0.1	0.399	0.632	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/14/83	3	6.9	6.833	7.6	6.	0.643	0.802	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/81-03/14/83	3	6.9	6.416	7.6	6.	0.905	0.951	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/14/83	3	0.126	0.384	1.	0.025	0.287	0.536	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-09/10/79	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/25/79-03/14/83	7	5.	5.714	11.	2.	8.571	2.928	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/25/79-08/19/80	4	1.25	1.875	5.	0.	5.729	2.394	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/25/79-03/14/83	7	10.	11.429	17.	8.	12.952	3.599	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/25/79-03/14/83	6	5.	5.167	10.	0.	10.967	3.312	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/25/79-03/14/83	7	2.2	2.6	3.8	1.8	0.66	0.812	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/25/79-03/14/83	7	1.1	1.2	1.8	0.9	0.127	0.356	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-03/14/83	6	1.1	1.15	1.8	0.5	0.207	0.455	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/10/79-03/14/83	6	0.15	0.15	0.2	0.1	0.003	0.055	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/25/79-03/14/83	7	1.	1.029	2.	0.6	0.206	0.454	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/25/79-03/14/83	7	7.	7.571	11.	5.	6.619	2.573	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/24/81	2	4.25	4.25	4.4	4.1	0.045	0.212	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/24/81	2	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/24/81	2	40.	40.	50.	30.	200.	14.142	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/24/81	2 ##	0.425	0.425	0.5	0.35	0.011	0.106	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/24/81	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/24/81	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/24/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/24/81	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/24/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/24/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/24/81	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**

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

Parameter Inventory for Station: GARI0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01044	IRON, SUSPENDED (UG/L AS FE)	05/25/79-03/14/83	6	660.	703.333	1200.	180.	162626.667	403.27	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/25/79-03/14/83	7	900.	858.571	1300.	220.	145747.619	381.769	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/25/79-03/14/83	7	80.	95.429	190.	30.	4095.619	63.997	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/24/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/24/81	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/24/81	2	175.	175.	190.	160.	450.	21.213	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/25/79-03/14/83	7	20.	21.429	40.	10.	114.286	10.69	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/25/79-03/14/83	7	30.	37.143	70.	30.	223.81	14.96	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/79-03/14/83	7	14.	13.857	28.	5.	70.476	8.395	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/24/81	2 ##	11.5	11.5	18.	5.	84.5	9.192	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/24/81	2	23.5	23.5	31.	16.	112.5	10.607	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/24/81	2 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/24/81	2 ##	5.5	5.5	9.	2.	24.5	4.95	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/24/81	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/24/81	2 ##	12.5	12.5	23.	2.	220.5	14.849	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/24/81	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/24/81	2	1525.	1525.	2100.	950.	661250.	813.173	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/25/79-03/14/83	6	26.5	26.5	39.	18.	60.3	7.765	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/25/79-08/24/81	6	4.735	5.503	12.6	0.15	27.319	5.227	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/25/79-08/24/81	6	0.035	0.033	0.04	0.02	0.	0.008	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	05/25/79-03/14/83	7 ##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/24/81	2 ##	0.003	0.003	0.005	0.	0.	0.004	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/14/83	3	29.	80.667	210.	3.	12714.333	112.758	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/19/80-07/20/81	2	52.69	52.69	105.	0.38	5472.672	73.978	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	1	6.	6.	6.	6.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GARI0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	8	0	0.00	2	0	0.00	6	0	0.00						
		Other-Lo Lim.	6.5	8	4	0.50	2	1	0.50	6	3	0.50						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	1	0.33	1	1	1.00	2	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	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.	7	0	0.00	2	0	0.00	5	0	0.00						
		Drinking Water	250.	7	0	0.00	2	0	0.00	5	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	2	0	0.00	5	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00				2	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	2	0	0.00				2	0	0.00						
		Drinking Water	4.	2	0	0.00				2	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	0	0.00				2	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00				2	0	0.00						
		Drinking Water	1300.	2	0	0.00				2	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00				2	0	0.00						
		Drinking Water	15.	2	0	0.00				2	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00				2	0	0.00						
		Drinking Water	5000.	2	0	0.00				2	0	0.00						

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

Station Inventory for Station: GARI0042

NPS Station ID: GARI0042
LAT/LON: 38.136476/ -80.885865
Agency: 11NPSWRD
Date Created: 08/12/95
Location: MEADOW RIVER
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GARI_G05
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: OHIO
Elevation: 1810
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 05050005030500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
SITE IS LOCATED ON MEADOW RIVER ABOVE THE MOUTH OF STICKLER RUN. IT IS LOCATED JUST OFF OF HIGHWAY 41 JUST ABOVE THE MOUTH OF STICKLER RUN AND ON RIVER RIGHT. 1993 WAS THE FIRST YEAR FOR SAMPLING THIS SITE. SITE IS LOCATED ON THE SUMMERSVILLE DAM 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. IT IS THE RESPONSIBILITY OF NEW RIVER GORGE NATIONAL RIVER

Parameter Inventory for Station: GARI0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/93-06/19/95	36	17.	16.606	26.	2.5	31.184	5.584	9.04	13.25	21.5	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/93-06/19/95	36	18.	17.111	27.	4.	41.416	6.436	8.7	12.	23.	25.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/93-06/05/95	31	198.	550.129	3098.	14.	635972.649	797.479	30.6	48.	656.	1591.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/07/93-06/19/95	36	101.5	108.75	240.	22.	2568.707	50.682	48.5	67.5	144.75	186.7
00300	OXYGEN, DISSOLVED MG/L	05/07/93-06/19/95	27	8.6	8.674	10.7	6.7	1.09	1.044	6.96	8.	9.4	10.06
00403	PH, LAB, STANDARD UNITS SU	05/07/93-06/19/95	36	7.3	7.308	8.2	6.5	0.112	0.335	6.87	7.1	7.5	7.73
00403	CONVERTED PH, LAB, STANDARD UNITS	05/07/93-06/19/95	36	7.3	7.185	8.2	6.5	0.128	0.357	6.87	7.1	7.5	7.73
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/07/93-06/19/95	36	0.05	0.065	0.316	0.006	0.003	0.058	0.019	0.032	0.079	0.136
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	06/14/93-04/13/95	9	11.	15.667	36.	5.	115.	10.724	5.	8.	25.5	36.
01045	IRON, TOTAL (UG/L AS FE)	06/14/93-04/13/95	9	200.	287.	1000.	30.	92.	303.	30.	75.	400.	1000.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/14/93-04/13/95	9	60.	64.	100.	30.	1.	23.	30.	45.	85.	100.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/14/93-04/13/95	9	30.	66.	200.	10.	6.	79.	10.	10.	135.	200.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/93-06/19/95	24	47.5	67.917	312.	12.	4826.08	69.47	14.5	19.25	84.75	165.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/93-06/19/95	24	1.677	1.66	2.494	1.079	0.151	0.388	1.161	1.284	1.928	2.212
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			45.741								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	05/07/93-06/19/95	36	2.65	4.964	31.	0.6	32.813	5.728	0.94	1.4	7.85	10.24

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GARI0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	27	0	0.00	4	0	0.00	23	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	36	0	0.00	9	0	0.00	27	0	0.00						
		Other-Lo Lim.	6.5	36	1	0.03	9	1	0.11	27	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	24	1	0.04	3	0	0.00	21	1	0.05						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	36	0	0.00	9	0	0.00	27	0	0.00						

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

Station Inventory for Station: GARI0043

NPS Station ID: GARI0043
LAT/LON: 38.215281/ -80.888059
Agency: 11COEHUN
Date Created: / /
Location: GAULEY RIVER
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 1SUMW0001
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: Yes
RMI-Miles: 0953.80 0715.40 096.70 033.85
HUC: 05050005
Depth of Water: 5
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005026
RF1 Mile Point: 0.150
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005040202.14
RF3 Mile Point: 3.00
Distance from RF3: 0.02
On/Off RF3:
Description:
LOCATED ON GAULEY RIVER, O.4 MILES BELOW DAM, AT USGS GAGE. SUMMERSVILLE DAM WV QUAD. SAMPLED BY ARMY CORPS OF ENGINEERS
HUNTINGTON WV 304-529-5694 NICHOLAS COUNTY
NICHOLAS COUNTY

Parameter Inventory for Station: GARI0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/74-08/25/93	1411	18.	17.954	26.3	1.7	2.498	1.581	16.5	17.1	19.	19.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/25/74-10/10/85	620	15.3	15.557	32.	1.5	40.584	6.371	8.	10.5	20.075	25.
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/01/75-07/01/75	2	85.	85.	100.	70.	450.	21.213	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/15/74-09/13/78	11	2.1	2.518	7.4	0.5	3.354	1.831	0.6	1.5	3.	6.58
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/76-09/29/80	10	361.5	283.3	435.	19.	27186.011	164.882	22.9	67.	402.5	432.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-08/31/83	21	34.	36.524	61.	20.	111.462	10.558	24.2	30.	39.5	58.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/74-08/25/93	54	58.	60.667	360.	17.	2194.	46.84	24.	40.75	68.	82.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/75-08/25/93	70	9.7	9.677	13.	5.9	1.829	1.353	8.01	8.9	10.5	11.75
00400	PH (STANDARD UNITS)	06/25/74-08/25/93	72	6.75	6.744	7.9	5.1	0.321	0.566	6.1	6.4	7.	7.64
00400	CONVERTED PH (STANDARD UNITS)	06/25/74-08/25/93	72	6.747	6.358	7.9	5.1	0.472	0.687	6.1	6.4	7.	7.64
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/74-08/25/93	72	0.179	0.439	7.943	0.013	1.018	1.009	0.023	0.1	0.398	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/74-08/25/93	50	8.5	11.37	65.	0.5	168.151	12.967	0.5	0.5	19.25	25.
00500	RESIDUE, TOTAL (MG/L)	06/25/74-08/25/93	55	48.	56.018	485.	5.	4084.389	63.909	9.8	35.	60.	88.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/24/75-09/13/78	9	24.	30.111	70.	6.	390.861	19.77	6.	16.5	44.5	70.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/81-08/25/93	40	36.	39.85	253.	5.	1684.079	41.038	5.	16.75	51.	59.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/74-08/25/93	54 ##	5.	15.139	232.	0.5	1005.032	31.702	2.5	5.	17.25	31.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-08/25/93	48 ##	0.05	0.054	0.1	0.01	0.	0.022	0.025	0.05	0.05	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/74-08/25/93	53	0.1	0.184	1.1	0.01	0.048	0.22	0.05	0.05	0.2	0.36
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/74-08/25/93	52	0.5	0.511	0.9	0.05	0.048	0.219	0.095	0.4	0.675	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/74-08/25/93	53 ##	0.005	0.011	0.06	0.005	0.	0.014	0.005	0.005	0.01	0.03
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/24/75-08/25/93	37 ##	0.005	0.006	0.04	0.005	0.	0.006	0.005	0.005	0.005	0.01
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/15/74-08/25/93	33	1.	1.424	4.	0.5	1.174	1.083	0.5	0.5	2.	3.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/74-11/08/89	61	20.	22.434	158.	0.25	361.877	19.023	14.	18.	23.	26.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/04/81-08/16/89	31	4.	4.271	8.5	0.5	3.127	1.768	2.	3.	5.4	6.48
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/74-08/16/89	60	4.5	4.832	17.	0.5	6.352	2.52	2.5	3.85	5.475	7.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/81-08/16/89	32	2.	1.834	3.6	0.5	0.677	0.823	0.5	1.	2.2	3.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/75-08/16/89	56	2.	2.018	3.6	0.5	0.416	0.645	1.	1.9	2.3	3.
00929	SODIUM, TOTAL (MG/L AS NA)	04/24/75-08/16/89	56	2.	1.87	5.3	0.5	0.776	0.881	1.	1.	2.275	2.72
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/04/81-08/16/89	32	2.	1.741	5.1	0.5	0.859	0.927	0.5	1.	2.175	2.54
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/04/81-08/16/89	27 ##	0.5	1.907	5.	0.5	4.27	2.066	0.5	0.5	5.	5.
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	48 ##	1.	1.896	5.	0.5	3.123	1.767	0.5	0.5	2.95	5.

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

Parameter Inventory for Station: GARI0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/74-08/25/93	60	2.	4.321	27.	0.05	27.908	5.283	1.	1.	4.	15.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/74-08/16/89	60	12.5	15.708	56.	2.5	98.562	9.928	9.	10.	17.75	24.9
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	06/25/74-08/28/75	10 ##	10.	7.75	10.	2.5	13.125	3.623	2.5	2.5	10.	10.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/01/79-09/22/88	9 ##	0.5	1.	3.	0.5	1.	1.	0.5	0.5	1.5	3.
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/04/81-08/16/89	31	25.	23.016	39.	0.5	94.425	9.717	1.4	21.	29.	30.
01007	BARIUM, TOTAL (UG/L AS BA)	05/04/81-08/16/89	38	29.	26.316	42.	5.	68.384	8.269	17.4	20.	32.	34.1
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/04/81-08/16/89	32 ##	0.5	2.328	5.	0.5	5.042	2.245	0.5	0.5	5.	5.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/04/81-08/16/89	39 ##	0.5	2.231	5.	0.5	4.919	2.218	0.5	0.5	5.	5.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/10/78-08/11/82	10 ##	25.	17.65	25.	0.5	140.058	11.835	0.5	0.5	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/25/74-08/16/89	33 ##	25.	14.061	50.	0.5	187.637	13.698	0.5	0.5	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/15/76-08/11/82	12 ##	25.	18.875	25.	0.5	122.778	11.081	0.5	6.625	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/24/75-08/16/89	31 ##	2.	11.71	25.	0.5	150.446	12.266	0.5	0.5	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	06/15/76-08/11/82	8 ##	25.	16.563	25.	2.5	135.603	11.645	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/25/74-08/16/89	31 ##	5.	13.468	25.	2.5	129.032	11.359	2.5	2.5	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	06/25/74-08/25/93	62	229.5	308.161	1675.	50.	79637.777	282.202	62.6	149.	344.	600.
01046	IRON, DISSOLVED (UG/L AS FE)	04/24/75-08/16/89	49 ##	50.	63.	190.	50.	952.667	30.865	50.	50.	50.	100.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/15/76-08/11/82	8 ##	25.	16.	25.	1.	154.286	12.421	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/25/74-08/16/89	31 ##	13.	13.161	25.	1.	140.806	11.866	1.	1.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/25/74-08/25/93	61	110.	133.377	505.	10.	7225.439	85.003	50.6	80.	184.	234.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/24/75-08/16/89	49	80.	102.061	287.	5.	4171.809	64.59	25.	60.	150.	190.
01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/04/81-09/08/82	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01059	THALLIUM, TOTAL (UG/L AS TL)	05/04/81-09/08/82	11 ##	50.	118.364	400.	50.	15669.455	125.178	50.	50.	202.	380.
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/17/79-08/11/82	5 ##	2.5	11.5	25.	2.5	151.875	12.324	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/25/74-08/16/89	29 ##	12.	17.5	150.	2.5	758.964	27.549	2.5	2.5	25.	25.
01077	SILVER, TOTAL (UG/L AS AG)	04/24/75-08/28/75	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/15/76-08/16/89	40 ##	25.	178.5	5820.	25.	837302.821	915.043	25.	25.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	04/24/75-08/16/89	52 ##	25.	159.885	5820.	25.	643036.575	801.896	25.	25.	50.	114.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/04/81-08/16/89	27 ##	50.	48.333	50.	5.	75.	8.66	50.	50.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/04/81-08/16/89	34 ##	50.	50.147	100.	5.	137.099	11.709	50.	50.	50.	50.
01102	TIN, TOTAL (UG/L AS SN)	04/24/75-08/28/75	5 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/76-08/16/89	44	162.	186.114	930.	25.	24561.126	156.72	39.	82.5	250.	391.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/15/76-08/16/89	37	80.	94.162	250.	25.	5581.751	74.711	25.	25.	135.5	250.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/01/79-09/22/88	9 ##	0.5	1.222	5.	0.5	2.444	1.563	0.5	0.5	1.5	5.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/10/78-08/25/93	17 ##	0.5	0.688	1.43	0.5	0.097	0.312	0.5	0.5	1.01	1.182
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/10/78-08/25/93	13 ##	0.5	0.578	1.52	0.5	0.08	0.283	0.5	0.5	0.5	1.112
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	07/10/78-08/25/93	16 ##	0.5	0.685	2.	0.5	0.186	0.431	0.5	0.5	0.5	1.538
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/10/78-08/25/93	14 ##	0.5	0.687	1.94	0.5	0.176	0.419	0.5	0.5	0.635	1.54
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/10/78-08/25/93	13	1.2	1.292	1.6	1.	0.042	0.206	1.04	1.1	1.5	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/15/76-08/31/83	14 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
71900	MERCURY, TOTAL (UG/L AS HG)	06/25/74-08/31/83	22 ##	0.5	1.341	5.2	0.5	1.783	1.335	0.5	0.5	2.2	3.42

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

EPA Water Quality Criteria Analysis for Station: GARI0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	11	0	0.00	1	0	0.00	10	0	0.00						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	70	0	0.00	17	0	0.00	53	0	0.00						
00400	PH	Other-Hi Lim.	9.	72	0	0.00	18	0	0.00	54	0	0.00						
		Other-Lo Lim.	6.5	72	22	0.31	18	3	0.17	54	19	0.35						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	52	0	0.00	4	0	0.00	48	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	60	0	0.00	8	0	0.00	52	0	0.00						
		Drinking Water	250.	60	0	0.00	8	0	0.00	52	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	60	0	0.00	7	0	0.00	53	0	0.00						
00997	ARSENIC, INORGANIC TOT	Fresh Acute	360.	10	0	0.00	1	0	0.00	9	0	0.00						
		Drinking Water	50.	10	0	0.00	1	0	0.00	9	0	0.00						
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: GARI0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	3	0	0.00	6	0	0.00						
		Drinking Water	50.	9	0	0.00	3	0	0.00	6	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	31	0	0.00	1	0	0.00	30	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	38	0	0.00	4	0	0.00	34	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	32	0	0.00	1	0	0.00	31	0	0.00						
		Drinking Water	4.	19 &	0	0.00				19	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	39	0	0.00	4	0	0.00	35	0	0.00						
		Drinking Water	4.	24 &	0	0.00	1	0	0.00	23	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3 &	0	0.00				3	0	0.00						
		Drinking Water	5.	3 &	0	0.00				3	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	16 &	1	0.06	3	0	0.00	13	1	0.08						
		Drinking Water	5.	16 &	0	0.00	3	0	0.00	13	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00	2	0	0.00	10	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	31	0	0.00	5	0	0.00	26	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	3 &	0	0.00				3	0	0.00						
		Drinking Water	1300.	8	0	0.00	1	0	0.00	7	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	16 &	0	0.00	3	0	0.00	13	0	0.00						
		Drinking Water	1300.	31	0	0.00	5	0	0.00	26	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	1	0	0.00	7	0	0.00						
		Drinking Water	15.	3 &	0	0.00				3	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	31	0	0.00	5	0	0.00	26	0	0.00						
		Drinking Water	15.	16 &	0	0.00	3	0	0.00	13	0	0.00						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	11	0	0.00				11	0	0.00						
		Drinking Water	2.	0 &	0	0.00												
01059	THALLIUM, TOTAL	Fresh Acute	1400.	11	0	0.00				11	0	0.00						
		Drinking Water	2.	3 &	3	1.00				3	3	1.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	1	0	0.00	4	0	0.00						
		Drinking Water	100.	5	0	0.00	1	0	0.00	4	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	29	0	0.00	5	0	0.00	24	0	0.00						
		Drinking Water	100.	29	1	0.03	5	0	0.00	24	1	0.04						
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	5	0	0.00				5	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	40	2	0.05	2	0	0.00	38	2	0.05						
		Drinking Water	5000.	40	1	0.03	2	0	0.00	38	1	0.03						
01092	ZINC, TOTAL	Fresh Acute	120.	52	5	0.10	5	0	0.00	47	5	0.11						
		Drinking Water	5000.	52	1	0.02	5	0	0.00	47	1	0.02						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	27	0	0.00	1	0	0.00	26	0	0.00						
		Drinking Water	6.	1 &	0	0.00				1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	34	1	0.03	4	1	0.25	30	0	0.00						
		Drinking Water	6.	2 &	1	0.50	1	1	1.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	9	0	0.00	3	0	0.00	6	0	0.00						
		Drinking Water	50.	9	0	0.00	3	0	0.00	6	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	14	0	0.00	2	0	0.00	12	0	0.00						
		Drinking Water	2.	14	0	0.00	2	0	0.00	12	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	22	5	0.23	3	0	0.00	19	5	0.26						
		Drinking Water	2.	22	7	0.32	3	1	0.33	19	6	0.32						

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

Seasonal Analysis for Season #1: 10/01 to 4/14 - Station GARI0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/74-08/25/93	534	18.1	17.999	26.3	1.7	2.022	1.422	16.4	17.2	18.8	19.45
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/25/74-10/10/85	231	12.7	13.687	30.6	1.5	31.91	5.649	8.	9.6	17.4	21.06
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/74-08/25/93	18	39.	61.5	360.	22.	6022.029	77.602	22.	24.	64.25	120.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/75-08/25/93	17	10.	10.276	12.2	8.9	0.912	0.955	9.14	9.6	10.6	12.04
00400	PH (STANDARD UNITS)	06/25/74-08/25/93	18	6.75	6.706	7.9	5.1	0.277	0.526	6.18	6.675	6.825	7.27
00400	CONVERTED PH (STANDARD UNITS)	06/25/74-08/25/93	18	6.747	6.202	7.9	5.1	0.546	0.739	6.18	6.675	6.825	7.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/74-08/25/93	18	0.179	0.629	7.943	0.013	3.348	1.83	0.058	0.15	0.212	1.245
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/74-08/25/93	6	15.5	24.5	65.	0.5	737.8	27.162	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/25/74-08/25/93	6	46.5	111.833	485.	5.	33739.767	183.684	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/81-08/25/93	5	48.	77.2	253.	5.	9966.7	99.833	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/74-08/25/93	6 ##	5.	42.417	232.	2.5	8627.042	92.882	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-08/25/93	4 ##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/74-08/25/93	5	0.1	0.12	0.3	0.05	0.011	0.104	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/74-08/25/93	4	0.45	0.438	0.8	0.05	0.096	0.309	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/74-08/25/93	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/24/75-08/25/93	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/15/74-08/25/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/04/81-08/16/89	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/74-08/16/89	7	5.	6.	17.	2.5	24.75	4.975	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/81-08/16/89	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/75-08/16/89	6	2.	2.233	3.1	1.8	0.235	0.484	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/24/75-08/16/89	6	2.2	2.217	3.3	1.	0.586	0.765	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/04/81-08/16/89	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/04/81-08/16/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	5	2.	2.82	5.	1.	4.112	2.028	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/74-08/25/93	8	2.5	4.25	15.	1.	23.071	4.803	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/74-08/16/89	7	12.	12.143	15.	6.	9.143	3.024	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/04/81-08/16/89	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	05/04/81-08/16/89	4	20.	21.25	25.	20.	6.25	2.5	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/04/81-08/16/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/04/81-08/16/89	4 ##	5.	3.875	5.	0.5	5.063	2.25	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/25/74-08/16/89	6 ##	12.75	12.75	25.	0.5	180.075	13.419	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/15/76-08/11/82	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/24/75-08/16/89	5 ##	2.	10.6	25.	0.5	173.175	13.16	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/25/74-08/16/89	5 ##	2.5	11.5	25.	2.5	151.875	12.324	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/25/74-08/25/93	7	300.	329.143	600.	200.	18286.81	135.229	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/24/75-08/16/89	3	100.	83.333	100.	50.	833.333	28.868	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/25/74-08/16/89	5 ##	1.	10.6	25.	1.	172.8	13.145	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/25/74-08/25/93	7	80.	103.714	240.	50.	4716.571	68.677	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/24/75-08/16/89	3	60.	59.	77.	40.	343.	18.52	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/25/74-08/16/89	5 ##	12.	13.4	25.	2.5	127.175	11.277	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/15/76-08/16/89	2 ##	37.5	37.5	50.	25.	312.5	17.678	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/24/75-08/16/89	5 ##	25.	40.	100.	25.	1125.	33.541	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/04/81-08/16/89	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/04/81-08/16/89	4 ##	50.	62.5	100.	50.	625.	25.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/76-08/16/89	5	180.	181.2	250.	70.	5057.2	71.114	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/15/76-08/16/89	2 ##	198.	198.	250.	146.	5408.	73.539	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/15/76-08/31/83	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/25/74-08/31/83	3 ##	0.5	1.033	2.1	0.5	0.853	0.924	**	**	**	**

** - 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 box-and-whisker plot

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/74-08/25/93	877	17.9	17.926	22.9	6.9	2.788	1.67	16.5	17.1	19.3	19.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/25/74-10/10/85	389	16.5	16.667	32.	2.9	42.513	6.52	8.	11.7	22.	25.9

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

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/74-08/25/93	36	63.	60.25	130.	17.	396.821	19.92	35.5	49.25	68.	81.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/75-08/25/93	53	9.5	9.485	13.	5.9	1.992	1.411	7.82	8.75	10.35	11.3
00400	PH (STANDARD UNITS)	06/25/74-08/25/93	54	6.75	6.757	7.9	5.6	0.34	0.583	6.1	6.3	7.125	7.7
00400	CONVERTED PH (STANDARD UNITS)	06/25/74-08/25/93	54	6.747	6.426	7.9	5.6	0.452	0.672	6.1	6.3	7.125	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/74-08/25/93	54	0.179	0.375	2.512	0.013	0.273	0.523	0.02	0.075	0.501	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/74-08/25/93	44	7.5	9.58	30.	0.5	78.488	8.859	0.5	0.625	16.5	24.5
00500	RESIDUE, TOTAL (MG/L)	06/25/74-08/25/93	49	48.	49.184	118.	5.	643.278	25.363	13.	35.	65.	88.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/04/81-08/25/93	35	36.	34.514	114.	5.	524.728	22.907	5.	16.	52.	56.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/25/74-08/25/93	48 ##	5.	11.729	38.	0.5	108.702	10.426	2.5	5.	17.75	30.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/75-08/25/93	44 ##	0.05	0.053	0.1	0.01	0.	0.021	0.025	0.05	0.05	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/74-08/25/93	48	0.1	0.191	1.1	0.01	0.052	0.228	0.05	0.05	0.2	0.41
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/74-08/25/93	48	0.5	0.517	0.9	0.05	0.045	0.213	0.185	0.4	0.675	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/74-08/25/93	48 ##	0.005	0.012	0.06	0.005	0.	0.015	0.005	0.005	0.01	0.031
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/24/75-08/25/93	35 ##	0.005	0.006	0.04	0.005	0.	0.006	0.005	0.005	0.005	0.01
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/15/74-08/25/93	32	1.	1.375	4.	0.5	1.129	1.063	0.5	0.5	2.	3.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/04/81-08/16/89	30	4.	4.23	8.5	0.5	3.181	1.784	2.	3.	5.4	6.54
00916	CALCIUM, TOTAL (MG/L AS CA)	06/25/74-08/16/89	53	4.5	4.677	13.	0.5	4.144	2.036	2.44	3.9	5.45	7.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/81-08/16/89	31	2.	1.813	3.6	0.5	0.684	0.827	0.5	1.	2.2	3.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/24/75-08/16/89	50	2.	1.992	3.6	0.5	0.436	0.661	1.	1.875	2.3	2.97
00929	SODIUM, TOTAL (MG/L AS NA)	04/24/75-08/16/89	50	2.	1.828	5.3	0.5	0.795	0.891	1.	1.	2.2	2.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/04/81-08/16/89	31	2.	1.713	5.1	0.5	0.862	0.928	0.5	1.	2.1	2.4
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/04/81-08/16/89	26 ##	0.5	1.788	5.	0.5	4.043	2.011	0.5	0.5	5.	5.
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	43 ##	1.	1.788	5.	0.5	2.99	1.729	0.5	0.5	2.8	5.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/74-08/25/93	52	2.	4.332	27.	0.05	29.118	5.396	1.	1.	4.	15.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/74-08/16/89	53	13.	16.179	56.	2.5	108.837	10.433	9.	10.	19.5	28.6
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/04/81-08/16/89	30	25.5	22.95	39.	0.5	97.541	9.876	0.95	20.25	29.	30.
01007	BARIUM, TOTAL (UG/L AS BA)	05/04/81-08/16/89	34	30.	26.912	42.	5.	72.628	8.522	15.	20.	32.25	34.5
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/04/81-08/16/89	31 ##	0.5	2.242	5.	0.5	4.965	2.228	0.5	0.5	5.	5.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/04/81-08/16/89	35 ##	0.5	2.043	5.	0.5	4.697	2.167	0.5	0.5	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	06/25/74-08/16/89	27 ##	25.	14.352	50.	0.5	195.823	13.994	0.5	0.5	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/15/76-08/11/82	10 ##	25.	17.65	25.	0.5	140.058	11.835	0.5	0.5	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/24/75-08/16/89	26 ##	1.5	11.923	25.	0.5	152.534	12.35	0.5	0.5	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	06/25/74-08/16/89	26 ##	15.	13.846	25.	2.5	129.615	11.385	2.5	2.5	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	06/25/74-08/25/93	55	220.	305.491	1675.	50.	87864.995	296.42	50.	147.	332.	615.6
01046	IRON, DISSOLVED (UG/L AS FE)	04/24/75-08/16/89	46 ##	50.	61.674	190.	50.	949.78	30.819	50.	50.	50.	100.
01051	LEAD, TOTAL (UG/L AS PB)	06/25/74-08/16/89	26 ##	19.	13.654	25.	1.	139.755	11.822	1.	1.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	06/25/74-08/25/93	54	112.5	137.222	505.	10.	7514.516	86.686	51.5	85.25	190.	225.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/24/75-08/16/89	46	80.	104.87	287.	5.	4303.005	65.597	23.5	63.	153.75	193.
01067	NICKEL, TOTAL (UG/L AS NI)	06/25/74-08/16/89	24 ##	10.	18.354	150.	2.5	897.423	29.957	2.5	2.5	25.	25.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/15/76-08/16/89	38 ##	25.	185.921	5820.	25.	881422.777	938.841	25.	25.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	04/24/75-08/16/89	47 ##	25.	172.638	5820.	25.	711105.627	843.271	25.	25.	50.	133.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/04/81-08/16/89	26 ##	50.	48.269	50.	5.	77.885	8.825	50.	50.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/04/81-08/16/89	30 ##	50.	48.5	50.	5.	67.5	8.216	50.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/15/76-08/16/89	39	140.	186.744	930.	25.	27256.933	165.097	25.	80.	250.	402.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/15/76-08/16/89	35	77.	88.229	250.	25.	5080.534	71.278	25.	25.	130.	250.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/10/78-08/25/93	17 ##	0.5	0.688	1.43	0.5	0.097	0.312	0.5	0.5	1.01	1.182
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/10/78-08/25/93	13 ##	0.5	0.578	1.52	0.5	0.08	0.283	0.5	0.5	0.5	1.112
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	07/10/78-08/25/93	16 ##	0.5	0.685	2.	0.5	0.186	0.431	0.5	0.5	0.5	1.538
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/10/78-08/25/93	14 ##	0.5	0.687	1.94	0.5	0.176	0.419	0.5	0.5	0.635	1.54
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/10/78-08/25/93	13	1.2	1.292	1.6	1.	0.042	0.206	1.04	1.1	1.5	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/15/76-08/31/83	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
71900	MERCURY, TOTAL (UG/L AS HG)	06/25/74-08/31/83	19 ##	0.5	1.389	5.2	0.5	1.968	1.403	0.5	0.5	2.5	3.6

** - 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

Station Inventory for Station: GARI0044

NPS Station ID: GARI0044
LAT/LON: 38.215003/ -80.888338
Agency: 112WRD
Date Created: / /
Location: GAULEY RIVER BELOW SUMMERSVILLE, WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03189600
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005024
RF1 Mile Point: 5.990
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 05050005003902.09
RF3 Mile Point: 2.08
Distance from RF3: 0.12
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	141	9.	10.652	24.	0.5	34.432	5.868	3.5	5.5	16.	19.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/07/66-11/01/85	95	17.	14.805	29.	-6.	83.007	9.111	4.6	-1.	22.	25.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	149	966.	1850.805	14500.	8.	7433306.55	2726.409	116.	223.	2120.	4550.
00065	STAGE, STREAM (FEET)	01/21/71-06/17/71	7	7.24	7.007	9.24	5.1	2.779	1.667	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/69-11/01/85	87	57.	58.724	90.	25.	149.039	12.208	46.8	50.	66.	79.2
00300	OXYGEN, DISSOLVED MG/L	12/01/75-07/14/83	25	11.	11.164	15.2	8.4	3.218	1.794	8.92	9.75	12.65	13.78
00400	PH (STANDARD UNITS)	12/10/69-11/01/85	77	6.9	6.879	7.8	5.6	0.165	0.407	6.38	6.7	7.1	7.4
00400	CONVERTED PH (STANDARD UNITS)	12/10/69-11/01/85	77	6.9	6.644	7.8	5.6	0.221	0.471	6.38	6.7	7.1	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/69-11/01/85	77	0.126	0.227	2.512	0.016	0.134	0.365	0.04	0.079	0.2	0.419
00403	PH, LAB, STANDARD UNITS SU	11/12/80-03/16/83	8	6.8	6.837	7.6	6.1	0.248	0.498	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/12/80-03/16/83	8	6.789	6.607	7.6	6.1	0.309	0.556	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/12/80-03/16/83	8	0.163	0.247	0.794	0.025	0.071	0.267	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/30/80-06/15/82	14	1.3	1.393	2.5	0.9	0.182	0.427	0.95	1.075	1.625	2.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/71-03/16/83	24	7.	7.458	15.	3.	8.868	2.978	3.5	5.25	9.5	12.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/24/80-03/16/83	14	0.	1.607	5.	0.	5.391	2.322	0.	0.	5.	5.
00440	BICARBONATE ION (MG/L AS HCO3)	01/21/71-06/15/82	18	8.	8.667	18.	3.	16.	4.	4.8	5.	13.	14.4
00445	CARBONATE ION (MG/L AS CO3)	09/30/80-06/15/82	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/12/80-08/17/82	8	0.035	0.037	0.07	0.005	0.	0.022	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/12/80-08/17/82	8 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	01/05/82-01/05/82	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/24/80-08/17/82	9	0.7	0.7	0.9	0.4	0.035	0.187	0.4	0.55	0.9	0.9
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	11/12/80-12/04/81	2 ##	0.098	0.098	0.18	0.015	0.014	0.117	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/24/80-03/24/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/12/80-08/17/82	8 ##	0.005	0.012	0.06	0.005	0.	0.019	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/21/71-03/16/83	26	18.	15.077	28.	0.	55.354	7.44	3.4	10.75	19.25	22.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/21/71-03/16/83	22	11.	10.318	17.	0.	21.656	4.654	0.	9.75	13.	15.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/21/71-03/16/83	26	4.3	4.162	20.	0.	14.062	3.75	0.	3.35	4.625	5.89
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/24/80-03/16/83	19	1.9	1.842	2.6	1.3	0.119	0.345	1.3	1.5	2.	2.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/24/80-03/16/83	19	2.	2.079	3.9	1.	0.621	0.788	1.3	1.5	2.2	3.8
00931	SODIUM ADSORPTION RATIO	03/24/80-03/16/83	19	0.2	0.216	0.4	0.1	0.005	0.069	0.1	0.2	0.2	0.3
00932	SODIUM, PERCENT	09/30/80-09/30/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/30/80-09/30/80	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/21/71-03/16/83	26	2.	2.692	8.	1.	3.022	1.738	1.	2.	3.25	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/24/80-03/16/83	19	13.	12.737	19.	8.	7.871	2.806	9.	12.	13.	19.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/30/80-09/30/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/17/82	10	3.4	3.41	4.	2.8	0.143	0.378	2.82	3.075	3.725	3.98
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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Parameter Inventory for Station: GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/17/82	9	40.	36.889	41.	20.	45.861	6.772	20.	35.5	40.	41.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/17/82	9 ##	0.5	0.456	0.5	0.25	0.008	0.092	0.25	0.425	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/17/82	9 ##	0.5	0.944	3.	0.5	0.84	0.917	0.5	0.5	1.25	3.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/17/82	9 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/17/82	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	03/24/80-03/16/83	19	280.	547.368	3500.	110.	662364.912	813.858	140.	210.	480.	1900.
01045	IRON, TOTAL (UG/L AS FE)	03/24/80-03/16/83	19	310.	595.789	3600.	150.	675092.398	821.64	170.	260.	550.	1900.
01046	IRON, DISSOLVED (UG/L AS FE)	03/24/80-03/16/83	19	44.	50.053	110.	10.	737.053	27.149	15.	33.	70.	90.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/17/82	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	700.	700.	700.	700.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/24/80-03/16/83	19	20.	19.474	80.	0.	347.93	18.653	0.	10.	20.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/24/80-03/16/83	19	110.	121.053	190.	60.	1998.83	44.708	70.	80.	170.	190.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/24/80-03/16/83	19	89.	102.421	170.	42.	1879.591	43.354	47.	64.	150.	160.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/17/82	9 ##	5.	5.667	11.	5.	4.	2.	5.	5.	5.	11.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/17/82	9	34.	32.444	38.	22.	22.278	4.72	22.	30.	35.5	38.
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/17/82	9 ##	3.	3.556	8.	3.	2.778	1.667	3.	3.	3.	8.
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/17/82	9	8.	7.167	20.	1.5	37.375	6.114	1.5	2.	10.	20.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/17/82	9 ##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	3800.	3800.	3800.	3800.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/26/81-08/17/82	7	1.	32.214	90.	0.5	1637.738	40.469	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	02/26/81-08/17/82	7	0.	0.67	1.954	-0.301	1.262	1.124	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			4.677								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/26/81-08/17/82	7	25.	73.357	320.	0.5	12978.393	113.923	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/26/81-08/17/82	7	1.398	1.301	2.505	-0.301	0.858	0.926	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			19.996								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/24/80-03/16/83	18	38.	37.778	49.	28.	39.242	6.264	28.	32.75	41.25	49.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/30/80-08/17/82	9	32.	31.889	38.	25.	13.361	3.655	25.	30.	34.	38.
70302	SOLIDS, DISSOLVED-TONS PER DAY	03/24/80-08/17/82	18	109.55	210.133	1190.	11.2	92872.553	304.75	18.13	29.625	226.5	796.7
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/24/80-08/17/82	18	0.05	0.049	0.07	0.04	0.	0.009	0.04	0.04	0.053	0.061
71825	ACIDITY, TOTAL (MG/L AS H)	03/24/80-03/16/83	18 ##	0.05	0.033	0.1	0.	0.001	0.03	0.	0.	0.05	0.055
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/12/80-08/17/82	8	0.045	0.049	0.09	0.01	0.001	0.027	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	01/05/82-01/05/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	11/12/80-01/05/82	2 ##	0.023	0.023	0.03	0.015	0.	0.011	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/16/83	8	4.	4.25	9.	0.	6.786	2.605	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/19/80-07/20/81	2	78.45	78.45	153.	3.9	11115.405	105.43	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GARI0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	25	0	0.00	14	0	0.00	11	0	0.00						
00400	PH	Other-Hi Lim.	9.	77	0	0.00	38	0	0.00	39	0	0.00						
		Other-Lo Lim.	6.5	77	14	0.18	38	8	0.21	39	6	0.15						
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	5	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	8	2	0.25	5	1	0.20	3	1	0.33						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	8	0	0.00	6	0	0.00	2	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: GARI0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	9	0	0.00	7	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	26	0	0.00	15	0	0.00	11	0	0.00						
		Drinking Water	250.	26	0	0.00	15	0	0.00	11	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	19	0	0.00	11	0	0.00	8	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	9	0	0.00	6	0	0.00	3	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	9	0	0.00	6	0	0.00	3	0	0.00						
		Drinking Water	4.	9	0	0.00	6	0	0.00	3	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	6	0	0.00	3	0	0.00						
		Drinking Water	5.	9	0	0.00	6	0	0.00	3	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	0	0.00	6	0	0.00	3	0	0.00						
		Drinking Water	1300.	9	0	0.00	6	0	0.00	3	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	6	0	0.00	3	0	0.00						
		Drinking Water	15.	9	0	0.00	6	0	0.00	3	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	6	0	0.00	3	0	0.00						
		Drinking Water	5000.	9	0	0.00	6	0	0.00	3	0	0.00						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	7	0	0.00	5	0	0.00	2	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	2	0	0.00									

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

Annual Analysis for 1966 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	6	9.25	9.25	15.	4.5	18.675	4.321	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	6	4710.	5360.	11900.	15.	29720650.	5451.665	**	**	**	**

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Annual Analysis for 1967 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	5	14.5	12.6	16.5	2.5	32.8	5.727	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	5	1250.	1202.2	2030.	328.	621062.2	788.075	**	**	**	**

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Annual Analysis for 1968 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	10	8.5	9.1	20.5	0.5	36.211	6.018	0.75	4.875	11.5	20.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	10	1075.5	1549.8	4550.	42.	2262420.622	1504.135	56.2	315.25	2530.	4435.

** - Less than 9 observations ## - Computed with 50% or 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 GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	3	12.	13.	24.	3.	111.	10.536	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	3	432.	721.333	1490.	242.	452161.333	672.429	**	**	**	**

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Annual Analysis for 1970 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	8	17.	15.5	23.	4.	43.429	6.59	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	8	1058.5	1161.125	3130.	52.	963321.839	981.49	**	**	**	**

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

Annual Analysis for 1971 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	10	9.	10.55	21.	1.	53.192	7.293	1.	4.75	17.375	20.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	10	907.	1120.6	3290.	18.	1152146.933	1073.381	18.1	53.5	1907.5	3181.

** - Less than 9 observations ## - Computed with 50% or 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 GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	5	5.5	9.1	18.	3.	42.55	6.523	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	5	1460.	4459.6	14500.	138.	34985570.8	5914.86	**	**	**	**

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Annual Analysis for 1973 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	4	8.75	8.625	15.	2.	29.229	5.406	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	4	380.	1313.75	4370.	125.	4167590.25	2041.468	**	**	**	**

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

Annual Analysis for 1974 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	4	6.	5.75	7.	4.	2.25	1.5	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	4	3645.	4410.75	10200.	153.	19899548.917	4460.891	**	**	**	**

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

Annual Analysis for 1975 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	5	8.	10.9	18.	3.5	39.8	6.309	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	5	743.	959.8	2240.	128.	797094.2	892.801	**	**	**	**

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

Annual Analysis for 1976 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	13	9.	9.962	16.	4.	9.603	3.099	5.6	9.	11.75	15.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	19	583.	900.684	2410.	83.	712884.784	844.325	111.	182.	1810.	2340.

** - Less than 9 observations ## - Computed with 50% or 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 GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	6	10.	10.917	16.	7.5	11.442	3.383	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	6	1485.	2276.333	7180.	372.	6350851.867	2520.09	**	**	**	**

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

Annual Analysis for 1978 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	6	9.5	11.583	21.	4.	50.642	7.116	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	6	683.	1168.5	3660.	147.	1677603.1	1295.223	**	**	**	**

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

Annual Analysis for 1979 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	6	9.75	10.083	18.5	1.5	39.242	6.264	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	8	1945.	2509.375	10300.	99.	11209809.696	3348.105	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	11	9.5	10.909	20.	3.	44.041	6.636	3.	5.	18.	20.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	11	914.	2678.	11300.	159.	18753699.6	4330.554	159.4	189.	2800.	11300.

** - Less than 9 observations ## - Computed with 50% or 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 GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	10	5.75	9.8	18.	3.5	40.511	6.365	3.6	4.875	17.125	17.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	10	1205.	1443.2	3380.	239.	1443260.4	1201.358	241.1	317.	2777.5	3343.

** - Less than 9 observations ## - Computed with 50% or 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 GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	11	11.	11.818	21.5	3.5	36.064	6.005	3.6	7.	17.	20.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	11	555.	2271.	8070.	130.	8038705.6	2835.261	130.2	212.	3750.	7816.

** - Less than 9 observations ## - Computed with 50% or 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 GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	8	12.	11.75	19.	3.	36.857	6.071	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	8	870.	977.	2160.	8.	591564.571	769.132	**	**	**	**

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

Annual Analysis for 1984 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	6	11.5	10.75	19.5	1.	47.575	6.897	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	6	436.5	601.5	1660.	129.	335944.3	579.607	**	**	**	**

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

Annual Analysis for 1985 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	4	6.5	8.75	17.5	4.5	37.583	6.131	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	4	675.	2823.5	9870.	74.	22346355.667	4727.193	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more 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: 10/01 to 4/14 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	76	6.75	7.48	21.5	0.5	22.03	4.694	2.85	4.	9.375	15.15
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/07/66-11/01/85	45	-1.5	8.422	28.	-6.	64.09	8.006	2.	5.5	14.75	19.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	84	1645.	2564.762	14500.	8.	10109516.931	3179.547	131.5	422.75	2645.	7905.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/69-11/01/85	43	60.	60.698	85.	25.	172.168	13.121	46.4	50.	70.	80.
00300	OXYGEN, DISSOLVED MG/L	12/01/75-07/14/83	14	12.4	12.093	15.2	9.2	2.95	1.718	9.6	10.35	13.275	14.7
00400	PH (STANDARD UNITS)	12/10/69-11/01/85	38	6.9	6.853	7.8	5.6	0.197	0.443	6.28	6.675	7.2	7.41
00400	CONVERTED PH (STANDARD UNITS)	12/10/69-11/01/85	38	6.9	6.594	7.8	5.6	0.265	0.515	6.28	6.675	7.2	7.41
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/69-11/01/85	38	0.126	0.255	2.512	0.016	0.178	0.422	0.039	0.063	0.212	0.531
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/71-03/16/83	13	7.	7.	13.	3.	8.667	2.944	3.	5.	9.	12.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/21/71-03/16/83	15	19.	16.133	28.	0.	62.124	7.882	2.4	13.	21.	25.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/21/71-03/16/83	13	12.	11.692	17.	0.	17.397	4.171	3.6	10.5	14.	16.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/21/71-03/16/83	15	4.3	4.7	20.	0.	22.233	4.715	0.	2.9	5.1	12.08
00940	CHLORIDE,TOTAL IN WATER MG/L	01/21/71-03/16/83	15	2.	3.067	8.	2.	3.21	1.792	2.	2.	4.	6.8

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

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/66-11/01/85	65	15.	14.362	24.	5.5	23.582	4.856	8.	9.5	18.	20.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/07/66-11/01/85	50	21.	20.55	29.	4.	30.594	5.531	11.55	17.375	25.	26.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/66-11/01/85	65	432.	928.154	11300.	15.	2545128.663	1595.346	92.6	164.	1085.	2176.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/69-11/01/85	44	55.	56.795	90.	25.	122.213	11.055	46.	50.	61.	70.
00300	OXYGEN, DISSOLVED MG/L	12/01/75-07/14/83	11	9.8	9.982	11.5	8.4	1.144	1.069	8.42	9.2	11.	11.48
00400	PH (STANDARD UNITS)	12/10/69-11/01/85	39	7.	6.905	7.6	5.8	0.138	0.371	6.4	6.8	7.1	7.4
00400	CONVERTED PH (STANDARD UNITS)	12/10/69-11/01/85	39	7.	6.699	7.6	5.8	0.182	0.426	6.4	6.8	7.1	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/69-11/01/85	39	0.1	0.2	1.585	0.025	0.093	0.304	0.04	0.079	0.158	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/21/71-03/16/83	11	7.	8.	15.	4.	9.4	3.066	4.2	6.	10.	14.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/21/71-03/16/83	11	16.	13.636	20.	2.	47.455	6.889	2.4	4.	19.	19.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/21/71-03/16/83	9	10.	8.333	12.	0.	23.25	4.822	0.	4.5	11.5	12.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/21/71-03/16/83	11	4.1	3.427	4.7	0.	3.002	1.733	0.	3.5	4.5	4.68
00940	CHLORIDE,TOTAL IN WATER MG/L	01/21/71-03/16/83	11	2.	2.182	6.	1.	2.564	1.601	1.	1.	3.	5.6

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

Station Inventory for Station: GARI0045

NPS Station ID: GARI0045
LAT/LON: 38.218253/ -80.889503
Agency: 11NPSWRD
Date Created: 08/12/95
Location: SUMMERSVILLE DAM
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GARI_G01
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: OHIO
Elevation: 1390
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 05050005030500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
SITE IS LOCATED ON THE GAULEY RIVER AT SUMMERSVILLE DAM. IT IS BELOW THE DAM ON RIVER RIGHT ON A FLAT BEDROCK LEDGE USED AS A BOATING AND FISHING AREA. DURING THE FALL GAULEY RAFTING SEASON THIS SITE IS AN ESPECIALLY TURBULENT EDDY AREA.
SITE IS LOCATED ON THE SUMMERSVILLE DAM 7.5 MINUTE SERIES (TOPOGRAPHIC)

Parameter Inventory for Station: GARI0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	62	13.15	13.776	21.	1.5	17.843	4.224	8.15	11.	18.	19.35
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	60	21.	20.26	37.	4.	65.058	8.066	9.1	14.	26.875	30.
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/91-06/19/95	61	660.	1168.787	7310.	110.	1732155.77	1316.114	186.8	246.5	1359.	3176.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	59	50.	53.339	130.	11.	393.262	19.831	33.	41.	63.	71.
00300	OXYGEN, DISSOLVED MG/L	07/31/91-06/19/95	48	10.4	10.421	15.	6.8	2.09	1.446	8.89	9.2	11.15	12.13
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	61	7.2	7.148	8.6	5.4	0.278	0.527	6.5	6.9	7.4	7.78
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	61	7.2	6.737	8.6	5.4	0.449	0.67	6.5	6.9	7.4	7.78
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	61	0.063	0.183	3.981	0.003	0.27	0.52	0.017	0.04	0.126	0.316
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/26/92-04/13/95	10	8.5	9.5	17.	5.	18.5	4.301	5.	5.75	13.	16.9
01045	IRON, TOTAL (UG/L AS FE)	05/26/92-04/13/95	10	100.	148.	300.	20.	9.	97.	26.	87.	225.	300.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/26/92-04/13/95	10	100.	106.	200.	50.	3.	53.	52.	70.	125.	200.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/26/92-04/13/95	10	55.	64.	200.	20.	3.	53.	20.	20.	80.	188.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/91-06/19/95	26	3.5	22.038	164.	0.4	2264.721	47.589	0.47	1.	9.75	135.8
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/91-06/19/95	26	0.54	0.614	2.215	-0.398	0.591	0.769	-0.33	0.	0.985	2.131
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.108								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/30/92-06/19/95	50	2.85	4.278	23.	0.9	17.048	4.129	1.41	1.7	5.375	8.18

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GARI0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	48	0	0.00	8	0	0.00	40	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	61	0	0.00	13	0	0.00	48	0	0.00						
		Other-Lo Lim.	6.5	61	8	0.13	13	0	0.00	48	8	0.17						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	26	0	0.00	3	0	0.00	23	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	50	0	0.00	10	0	0.00	40	0	0.00						

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

Annual Analysis for 1991 - Station GARI0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	12	12.	13.583	21.	9.	14.447	3.801	9.6	11.	17.25	20.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	10	26.55	24.71	37.	10.	60.708	7.792	10.8	18.	30.	36.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/91-06/19/95	13	1356.	861.538	1938.	148.	447298.269	668.804	152.	190.	1357.5	1706.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	9	33.	49.333	110.	11.	1243.	35.256	11.	30.	82.5	110.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	12	6.7	6.725	7.7	5.4	0.404	0.636	5.61	6.425	7.275	7.64
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	12	6.689	6.262	7.7	5.4	0.637	0.798	5.61	6.425	7.275	7.64
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	12	0.205	0.547	3.981	0.02	1.216	1.103	0.023	0.061	0.378	3.025

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

Annual Analysis for 1992 - Station GARI0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	14	16.	15.343	21.	6.	19.561	4.423	8.	11.75	18.975	20.75
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	14	25.75	25.107	35.	12.	53.699	7.328	13.	19.5	30.25	35.
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/91-06/19/95	12	990.	1021.75	2310.	238.	472059.295	687.066	268.6	381.25	1424.	2271.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	14	56.5	57.	80.	40.	133.231	11.543	42.5	47.25	66.	75.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	13	7.	7.054	8.2	6.1	0.371	0.609	6.18	6.55	7.4	8.08
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	13	7.	6.727	8.2	6.1	0.487	0.698	6.18	6.55	7.4	8.08
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	13	0.1	0.188	0.794	0.006	0.054	0.232	0.009	0.04	0.284	0.677

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

Annual Analysis for 1993 - Station GARI0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	14	13.5	12.75	17.	8.	7.606	2.758	8.25	10.	15.	16.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	14	21.	18.429	33.	5.	64.264	8.016	6.5	11.75	23.5	30.
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/91-06/19/95	14	449.5	878.786	4130.	110.	1291960.797	1136.645	146.	193.5	933.5	3240.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	14	49.5	56.714	130.	38.	550.374	23.46	39.	43.	62.5	100.5
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	14	7.3	7.35	7.7	7.2	0.021	0.145	7.2	7.2	7.425	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	14	7.3	7.33	7.7	7.2	0.022	0.147	7.2	7.2	7.425	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	14	0.05	0.047	0.063	0.02	0.	0.014	0.026	0.038	0.063	0.063

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

Annual Analysis for 1994 - Station GARI0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	16	13.5	14.438	20.	1.5	28.029	5.294	6.05	12.125	19.	20.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	16	18.	17.188	28.	4.	41.363	6.431	7.5	12.	21.	27.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/91-06/19/95	16	760.5	1434.875	7310.	182.	3494044.517	1869.236	188.3	391.75	1435.	4944.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	16	43.5	49.313	75.	32.	188.763	13.739	32.7	39.25	63.75	71.5
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	16	7.25	7.363	8.6	6.8	0.241	0.491	6.8	7.	7.7	8.18
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	16	7.247	7.182	8.6	6.8	0.276	0.525	6.8	7.	7.7	8.18
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	16	0.057	0.066	0.158	0.003	0.002	0.05	0.008	0.022	0.1	0.158

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

Annual Analysis for 1995 - Station GARI0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	6	11.4	11.133	15.	7.	11.487	3.389	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	6	14.	14.	22.	6.	35.6	5.967	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/07/91-06/19/95	6	2170.	2095.667	3900.	237.	3042281.067	1744.214	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	6	51.	53.667	68.	43.	79.067	8.892	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	6	7.05	7.15	7.5	6.9	0.059	0.243	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	6	7.047	7.1	7.5	6.9	0.062	0.249	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	6	0.09	0.079	0.126	0.032	0.001	0.037	**	**	**	**

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

Station Inventory for Station: GARI0046

NPS Station ID: GARI0046
LAT/LON: 38.222503/ -80.890560
Agency: 112WRD
Date Created: 11/07/81
Location: SUMMERSVILLE LAKE NEAR SUMMERSVILLE, WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03189590
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05050005002503.01
RF3 Mile Point: 3.64
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0046

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

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

Station Inventory for Station: GARI0047

NPS Station ID: GARI0047 | LAT/LON: 38.222226/ -80.891670 | Agency: 11EPALES | Date Created: / /
Location: GAULEY RIVER | FIPS State/County: 54000 WEST VIRGINIA/
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 5403A1
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 05050005 | Depth of Water: 0 | Aquifer:
Major Basin: O/SUMMERSVILLE RES | Elevation: 0 | Water Body Id:
Minor Basin: BELO DAM 3 MI ESE OF KESSLERS CROSS LANE | ECO Region:
RF1 Index: 05050005026 | RF1 Mile Point: 0.400 | Distance from RF1: 0.40 | On/Off RF1: OFF
RF3 Index: 05050005004607.04 | RF3 Mile Point: 7.04 | Distance from RF3: 0.14 | On/Off RF3:
Description:
SAMPLE BELOW DAM APPROX 3 MI ESE OF KESLERS CROSS LANES

Parameter Inventory for Station: GARI0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.042	0.042	0.06	0.018	0.	0.012	0.024	0.031	0.051	0.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.001	0.001	0.003	0.001	0.	0.001	0.001	0.001	0.002	0.003
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/73-06/10/74	14	0.656	0.638	0.78	0.39	0.012	0.111	0.45	0.56	0.725	0.775
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/28/73-06/10/74	14	0.2	0.184	0.4	0.05	0.011	0.103	0.05	0.088	0.225	0.35
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/28/73-06/10/74	14	0.66	0.639	0.78	0.39	0.012	0.111	0.45	0.56	0.725	0.775
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/28/73-06/10/74	13	0.015	0.016	0.04	0.003	0.	0.011	0.003	0.01	0.023	0.038
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/28/73-06/10/74	14 ##	0.004	0.006	0.021	0.003	0.	0.005	0.003	0.003	0.009	0.016

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

EPA Water Quality Criteria Analysis for Station: GARI0047

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	14	0	0.00	8	0	0.00	6	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	14	0	0.00	8	0	0.00	6	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	8	0	0.00	6	0	0.00						

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

Station Inventory for Station: GARI0048

NPS Station ID: GARI0048 LAT/LON: 38.216670/ -80.891670 Agency: 112WRD Date Created: 12/02/81
Location: GAULEY R BELOW SUMMERSVILLE DAM, WV FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 381300080533001
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05050005 RF1 Mile Point: 0.000 Distance from RF1: 1.00 On/Off RF1:
RF3 Index: 05050005048200.04 RF3 Mile Point: 0.33 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GARI0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/24/80-03/24/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/24/80-03/24/80	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/24/80-03/24/80	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/24/80-03/24/80	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/24/80-03/24/80	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/24/80-03/24/80	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/24/80-03/24/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/24/80-03/24/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/24/80-03/24/80	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/24/80-03/24/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/24/80-03/24/80	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/24/80-03/24/80	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/24/80-03/24/80	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/24/80-03/24/80	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/24/80-03/24/80	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	03/24/80-03/24/80	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/24/80-03/24/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/24/80-03/24/80	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	03/24/80-03/24/80	1	480.	480.	480.	480.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/24/80-03/24/80	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/24/80-03/24/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/24/80-03/24/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/24/80-03/24/80	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/24/80-03/24/80	1	60.	60.	60.	60.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/24/80-03/24/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	03/24/80-03/24/80	1	212.	212.	212.	212.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/24/80-03/24/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	03/24/80-03/24/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a 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									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: GARI0049

NPS Station ID: GARI0049 | LAT/LON: 38.217504/ -80.891948 | Agency: 11EPALES | Date Created: / /
Location: SUMMERSVILLE RESERVOIR | FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): 540301
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005 | Depth of Water: 180 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 05050005026 | RF1 Mile Point: 0.150 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: 05050005003403.08 | RF3 Mile Point: 3.07 | Distance from RF3: 0.03 | On/Off RF3:
Description:
NEAR DAM, ABOUT 700 YDS, 035 DEGREES FROM ROUND GREEN WATER TANK. WATER GREENISH WITHOUT VISIBLE ALGAE. WATER LEVEL ABOUT 30 FT BELOW NORMAL AS INDICATED BY WATER MARKS ON DAM AND LAKE SHORE. COMMENTS: 4-3, ULE 14, ONE PER CENT LIGHT AT 6 FT, 7 PER CENT LIGHT AT ONE FT. 7-18, FORRELL 9, 1 PERCENT LIGHT AT 40 FT; 1.4 PERCENT LIGHT

Parameter Inventory for Station: GARI0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/03/73-09/28/73	41	15.4	16.478	27.4	6.	40.554	6.368	8.6	10.1	22.45	24.9
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	04/03/73-09/28/73	41	107.	100.976	121.	70.	269.424	16.414	78.	88.5	117.	118.8
00077	TRANSPARENCY, SECCHI DISC (INCHES)	07/18/73-09/28/73	2	172.	172.	204.	140.	2048.	45.255	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/18/73-09/28/73	33	40.	45.121	72.	25.	267.36	16.351	26.	29.	58.5	69.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/03/73-09/28/73	41	100.	178.683	454.	45.	19800.022	140.713	49.	58.5	312.5	409.
00300	OXYGEN, DISSOLVED MG/L	04/03/73-09/28/73	24	7.65	7.196	11.5	0.4	10.272	3.205	2.9	4.275	10.7	11.25
00400	PH (STANDARD UNITS)	04/03/73-09/28/73	26	6.3	6.546	7.2	5.8	0.319	0.565	5.8	6.	7.2	7.2
00400	CONVERTED PH (STANDARD UNITS)	04/03/73-09/28/73	26	6.3	6.258	7.2	5.8	0.406	0.637	5.8	6.	7.2	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/03/73-09/28/73	26	0.501	0.552	1.585	0.063	0.284	0.533	0.063	0.063	1.	1.585
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/03/73-09/28/73	26 ##	5.	7.654	14.	5.	10.555	3.249	5.	5.	11.	12.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/03/73-09/28/73	26	0.05	0.058	0.19	0.04	0.001	0.029	0.04	0.04	0.06	0.08
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/03/73-09/28/73	26	0.3	0.308	0.8	0.1	0.034	0.185	0.1	0.1	0.4	0.53
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/03/73-09/28/73	26	0.69	0.637	0.83	0.38	0.022	0.149	0.39	0.528	0.76	0.82
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/03/73-09/28/73	26	0.01	0.011	0.015	0.008	0.	0.002	0.008	0.009	0.011	0.014
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/03/73-09/28/73	26	0.006	0.006	0.012	0.002	0.	0.003	0.002	0.003	0.007	0.008
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	04/03/73-09/28/73	3	5.6	7.867	17.3	0.7	72.743	8.529	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	04/03/73-09/28/73	3	220.	210.	230.	180.	700.	26.458	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	24	5	0.21	7	0	0.00	17	5	0.29						
00400	PH	Other-Hi Lim.	9.	26	0	0.00	8	0	0.00	18	0	0.00						
		Other-Lo Lim.	6.5	26	14	0.54	8	0	0.00	18	14	0.78						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	26	0	0.00	8	0	0.00	18	0	0.00						

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

Station Inventory for Station: GARI0050

NPS Station ID: GARI0050
LAT/LON: 38.224727/ -80.892365
Agency: 11COEHUN
Date Created: / /
Location: SUMMERSVILLE LAKE ON GAULEY R.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0002
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 034.75
HUC: 05050005
Depth of Water: 290
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005025
RF1 Mile Point: 0.520
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005002404.86
RF3 Mile Point: 5.04
Distance from RF3: 0.02
On/Off RF3:
Description:
LOCATED IN WEST VIRGINIA ON SUMMERSVILLE LAKE OF GAULEY RIVER ABOUT 750 FEET FROM THE DAM AND ABOUT 500 FEET FROM THE RIGHT DESCENDING BANK OR AT THE DEEPEST LOCATION, SUMMERSVILLE DAM WV QUAD. GRAB SAMPLED BY ARMY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	2912	16.5	15.77	29.5	3.1	31.995	5.656	7.2	11.425	19.9	22.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	127	25.	23.205	34.	5.	37.64	6.135	14.	20.	27.	30.
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	313	21.	25.198	100.	0.	571.402	23.904	0.5	4.	37.5	57.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	1416	72.3	70.166	100.	0.	420.036	20.495	46.	63.	84.	92.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/74-09/13/79	245	38.	32.795	81.	0.2	656.517	25.623	1.12	5.	53.	68.4
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/28/76-08/25/93	27	162.	144.852	324.	18.	8171.516	90.396	21.	42.	204.	256.8
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	1834	351.	330.802	500.	-84.	11237.839	106.009	179.	240.	422.	455.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	1092	58.	60.282	158.	13.	515.552	22.706	40.	50.	67.	80.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	1144	52.5	55.476	130.	13.	309.065	17.58	37.	44.	65.	75.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	2806	7.3	6.711	12.2	0.	5.214	2.283	3.5	5.5	8.2	9.
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	2355	6.3	6.291	8.9	5.	0.303	0.551	5.6	5.9	6.6	7.
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	2355	6.3	5.984	8.9	5.	0.398	0.631	5.6	5.9	6.6	7.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	2355	0.501	1.038	10.	0.001	1.986	1.409	0.1	0.251	1.259	2.512
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	233	5.	6.972	31.	0.5	49.388	7.028	0.5	0.5	11.	18.2
00500p	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	241	52.	55.676	184.	5.	733.695	27.087	26.4	38.5	66.	84.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	04/25/75-06/30/77	51	34.	38.588	138.	5.	873.087	29.548	14.	17.	45.	74.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/81-08/25/93	178	36.	35.118	88.	5.	256.184	16.006	16.9	24.	44.	54.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	234	5.	14.741	124.	0.5	283.404	16.835	2.5	5.	22.	38.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	357 ##	0.05	0.059	0.7	0.01	0.004	0.06	0.025	0.05	0.05	0.082
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	358 ##	0.05	0.134	1.1	0.01	0.027	0.165	0.05	0.05	0.1	0.3
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	361	0.5	0.475	2.7	0.05	0.095	0.308	0.05	0.3	0.6	0.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	357 ##	0.005	0.008	0.37	0.005	0.	0.02	0.005	0.005	0.005	0.01
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	325 ##	0.005	0.005	0.02	0.005	0.	0.002	0.005	0.005	0.005	0.005
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	205 ##	0.5	1.685	52.	0.5	16.191	4.024	0.5	0.5	2.	3.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	345	18.	18.678	148.	0.25	128.361	11.33	12.	15.5	21.	25.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/05/81-09/01/83	174	3.	3.276	8.	0.5	2.415	1.554	0.5	2.	4.	5.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	352	4.	4.378	55.	0.5	14.563	3.816	2.	3.	5.	6.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/05/81-09/01/83	178	2.	1.452	3.	0.5	0.46	0.678	0.5	1.	2.	2.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	357	2.	2.009	8.	0.5	0.532	0.73	1.	1.8	2.	2.72
00929	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	357	2.	2.243	51.	0.25	7.522	2.743	1.	1.9	2.5	3.
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/05/81-09/01/83	178	2.	1.503	3.	0.5	0.555	0.745	0.5	0.5	2.	2.

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

Parameter Inventory for Station: GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/05/81-09/01/83	175 ##	0.5	0.78	3.	0.5	0.372	0.61	0.5	0.5	0.5	2.
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	339	0.9	1.38	5.1	0.5	1.641	1.281	0.5	0.5	1.9	3.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	318	2.	5.745	68.	0.05	128.477	11.335	1.	1.	4.	13.1
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	334	16.	16.564	53.	2.5	56.866	7.541	8.	11.	20.	26.
00997	ARSENIC, INORGANIC TOT (UG/L AS AS)	04/25/75-08/28/75	13 ##	2.5	4.808	10.	2.5	12.981	3.603	2.5	2.5	10.	10.
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/05/81-09/01/83	168	27.	25.083	51.	0.5	111.074	10.539	6.9	22.25	32.	36.
01007	BARIUM, TOTAL (UG/L AS BA)	05/05/81-08/16/89	194	32.	31.82	120.	0.5	188.931	13.745	14.5	28.	36.	43.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/05/81-09/01/83	178 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/05/81-08/16/89	204 ##	0.5	1.289	15.	0.5	3.958	1.989	0.5	0.5	0.5	5.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/09/78-08/12/82	126 ##	25.	17.417	25.	0.5	129.311	11.371	0.5	0.5	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	141 ##	25.	18.599	85.	0.5	150.197	12.255	0.5	2.	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	137 ##	25.	18.383	25.	0.5	119.199	10.918	0.5	0.5	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	153 ##	25.	18.657	25.	0.5	114.6	10.705	0.5	3.5	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	06/04/76-08/12/82	77 ##	2.5	13.604	25.	2.5	128.206	11.323	2.5	2.5	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/25/75-08/12/82	90 ##	25.	15.6	25.	2.5	119.361	10.925	2.5	2.5	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	360	200.	396.539	15700.	10.	1275556.266	1129.405	50.	100.	405.	800.
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	330 ##	50.	63.348	500.	50.	2175.608	46.643	50.	50.	50.	100.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/04/76-08/12/82	77 ##	1.	12.844	25.	1.	145.87	12.078	1.	1.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	04/25/75-08/12/82	90 ##	25.	15.	25.	1.	133.596	11.558	1.	1.	25.	25.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	356	50.	149.233	2200.	3.	76825.25	277.174	5.	20.	133.	417.4
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	326	30.	126.656	2163.	5.	66893.334	258.637	5.	10.	108.5	403.
01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/05/81-09/07/82	143 ##	50.	65.035	400.	50.	2008.273	44.814	50.	50.	50.	100.
01059	THALLIUM, TOTAL (UG/L AS TL)	05/05/81-09/07/82	141 ##	50.	94.645	500.	50.	6883.873	82.969	50.	50.	100.	200.
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/04/81-08/12/82	38 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01067	NICKEL, TOTAL (UG/L AS NI)	04/25/75-08/12/82	53 ##	2.5	9.217	25.	2.5	90.928	9.536	2.5	2.5	20.	25.
01077	SILVER, TOTAL (UG/L AS AG)	04/25/75-08/28/75	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	278 ##	25.	46.115	3040.	25.	33049.835	181.796	25.	25.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	315 ##	25.	74.705	2320.	25.	46860.266	216.472	25.	25.	50.	90.8
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/05/81-09/01/83	178 ##	50.	44.944	50.	5.	203.104	14.251	5.	50.	50.	50.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/05/81-08/16/89	193 ##	50.	45.337	50.	5.	189.079	13.751	5.	50.	50.	50.
01102	TIN, TOTAL (UG/L AS SN)	04/25/75-08/28/75	13 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	238	166.	223.113	2170.	25.	64630.624	254.226	25.	80.	250.	480.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/04/76-09/01/83	212 ##	70.	95.901	330.	25.	7446.962	86.296	25.	25.	108.25	250.
03640	ACENAPHTHENE,1,2-DIHYDRO-,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03641	ACENAPHTHYLENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03642	ANTHRACENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03644	BENZO(A)ANTHRACENE,LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03645	BENZO(B)FLUORANTHENE,LIQUID FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03646	BENZ(K)FLUORANTHENE,LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03647	BENZO(GHI)PERYLENE,LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03649	BIS(2-CHLOROETHOXY)METHANE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03650	BIS(2-CHLOROETHYL)ETHER,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03651	BIS(2-CHLOROISOPROPYL)ETHER,LIQ FRAC,ELUTRIAT UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03652	BIS(2-ETHYLHEXYL)PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03653	BROMOPHENYL,4-PHENYL ETHER,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03654	N-BUTYL BENZYL PHTHALATE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03655	CHLORONAPTHALENE,2-,LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03656	CHLOROPHENYL,4- PHENYL ETHER,LIQ FRAC,ELUTRIA UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03657	CHRYSENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03658	DIBENZO(A,H)ANTHRACENE,LIQUID FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03659	DI-N-BUTYL PHTHALATE,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03660	DICHLOROBENZENE,1,2-,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03661	DICHLOROBENZENE,1,3-,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03662	DICHLOROBENZENE,1,4-,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03663	DICHLOROBENZIDENE,3,3-,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03664	DIETHYL PHTHALATE, LIQ FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	1.	1.	1.	1.	0.	0.	**	**	**	**
03665	DIMETHYL PHTHALATE, LIQUID FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03666	DINITROTOLUENE, 2, 4, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03667	DINITROTOLUENE, 2, 6-, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03668	DI-N-OCTYL PHTHALATE,LIQUID FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03669	FLUORANTHENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03670	FLUORENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

Parameter Inventory for Station: GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
03671	HEXACHLOROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03672	HEXACHLOROBUTADIENE, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03673	HEXACHLOROCYCLOPENTADIENE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03674	HEXACHLOROETHANE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03675	INDENO(1,2,3-CD) PYRENE,LIQUID FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03676	ISOPHORONE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03677	NAPHTHALENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03678	NITROBENZENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03679	N-NITROSODIMETHYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03680	N-NITROSODIPHENYLAMINE,LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03681	N-NITROSO-DI-N-PROPYLAMINE,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03682	PHENANTHRENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03683	PYRENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03684	TRICHLOROBENZENE,1,2,4-, LIQ FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03686	ALUMINUM (AL), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	31410.	31410.	31410.	31410.	0.	0.	**	**	**	**
03687	ANTIMONY (SB), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	200.	200.	200.	200.	0.	0.	**	**	**	**
03688	ARSENIC (AS), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
03689	BARIUM (BA), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	250.	250.	250.	250.	0.	0.	**	**	**	**
03690	BERYLLIUM (BE), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	13.	13.	13.	13.	0.	0.	**	**	**	**
03691	CADMIUM (CD), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03692	CHROMIUM (CR), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	3.	3.	3.	3.	0.	0.	**	**	**	**
03694	COPPER (CU), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	18.	18.	18.	18.	0.	0.	**	**	**	**
03695	IRON (FE), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	41700.	41700.	41700.	41700.	0.	0.	**	**	**	**
03696	LEAD (PB), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
03697	MANGANESE (MN), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	4110.	4110.	4110.	4110.	0.	0.	**	**	**	**
03698	MERCURY (HG), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03699	NICKEL (NI), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	21.	21.	21.	21.	0.	0.	**	**	**	**
03700	SELENIUM (SE), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03704	ZINC (ZN), LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1	100.	100.	100.	100.	0.	0.	**	**	**	**
03707	SODIUM (NA), LIQUID FRACTION, ELUTRIATE MG/L	07/15/86-07/15/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
03708	CALCIUM (CA), LIQUID FRACTION, ELUTRIATE MG/L	07/15/86-07/15/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
03709	MAGNESIUM (MG), LIQUID FRACTION, ELUTRIATE MG/L	07/15/86-07/15/86	1	5.	5.	5.	5.	0.	0.	**	**	**	**
03710	POTASSIUM (K), LIQUID FRACTION, ELUTRIATE MG/L	07/15/86-07/15/86	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
03727	PCB-1016, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03728	PCB-1221, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03729	PCB-1232, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03730	PCB-1242, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03731	PCB-1248, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03732	PCB-1254, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03733	PCB-1260, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03734	ALDRIN, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03735	ALPHA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03736	BETA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03737	GAMMA-BHC (LINDANE),LIQ FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03738	DELTA-BHC, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03739	P,P'-DDD,LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03740	P,P'-DDE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03741	P,P'-DDT, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03742	DIELDRIN, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03743	CHLORDANE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
03744	ENDRIN, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03745	ENDRIN ALDEHYDE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03746	ALPHA-ENDOSULFAN, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03748	ENDOSULFAN SULFATE,LIQ FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03749	HEPTACHLOR, LIQUID, FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03750	HEPTACHLOR EPOXIDE,LIQ FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03752	TOXAPHENE, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
03753	PARACHLOROMETACRESOL,LIQ FRACTION,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03754	CHLOROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03755	DICHLOROPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03756	DIMETHYLPHENOL, 2, 4-, LIQUID FRAC, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03757	DINITROPHENOL,2,4-,LIQ FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03758	METHYL-4,6-DINITROPHENOL,2-,LIQ FRAC,ELUTRIAT UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

Parameter Inventory for Station: GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
03759	NITROPHENOL, 2-, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03760	NITROPHENOL,4-, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03761	PENTACHLOROPHENOL, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03762	PHENOL, LIQUID FRACTION, ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
03763	TRICHLOROPHENOL,2,4,6-,LIQ FRAC,ELUTRIATE UG/L	07/15/86-07/15/86	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	152 ##	0.5	1.051	6.31	0.5	0.899	0.948	0.5	0.5	1.37	2.384
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	101 ##	0.5	0.884	3.54	0.5	0.422	0.65	0.5	0.5	1.185	1.856
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	06/02/81-08/25/93	60 ##	0.5	0.639	2.25	0.5	0.142	0.377	0.5	0.5	0.5	1.178
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	103 ##	0.5	0.802	6.58	0.5	0.716	0.846	0.5	0.5	0.5	1.638
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	103	1.4	1.355	1.7	1.	0.027	0.164	1.1	1.2	1.5	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	142 ##	0.5	0.643	3.1	0.5	0.216	0.465	0.5	0.5	0.5	1.
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	158 ##	0.5	0.944	5.5	0.5	0.609	0.78	0.5	0.5	1.2	2.01
82393	LIGHT REFLECTED BELOW WATER SURFACE,%OF INCIDENT %	05/05/81-05/24/83	81	1.1	1.415	4.6	0.	1.35	1.162	0.	0.55	2.3	3.
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	803	15.	25.958	400.	3.	875.145	29.583	6.	8.	35.	60.

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EPA Water Quality Criteria Analysis for Station: GARI0050

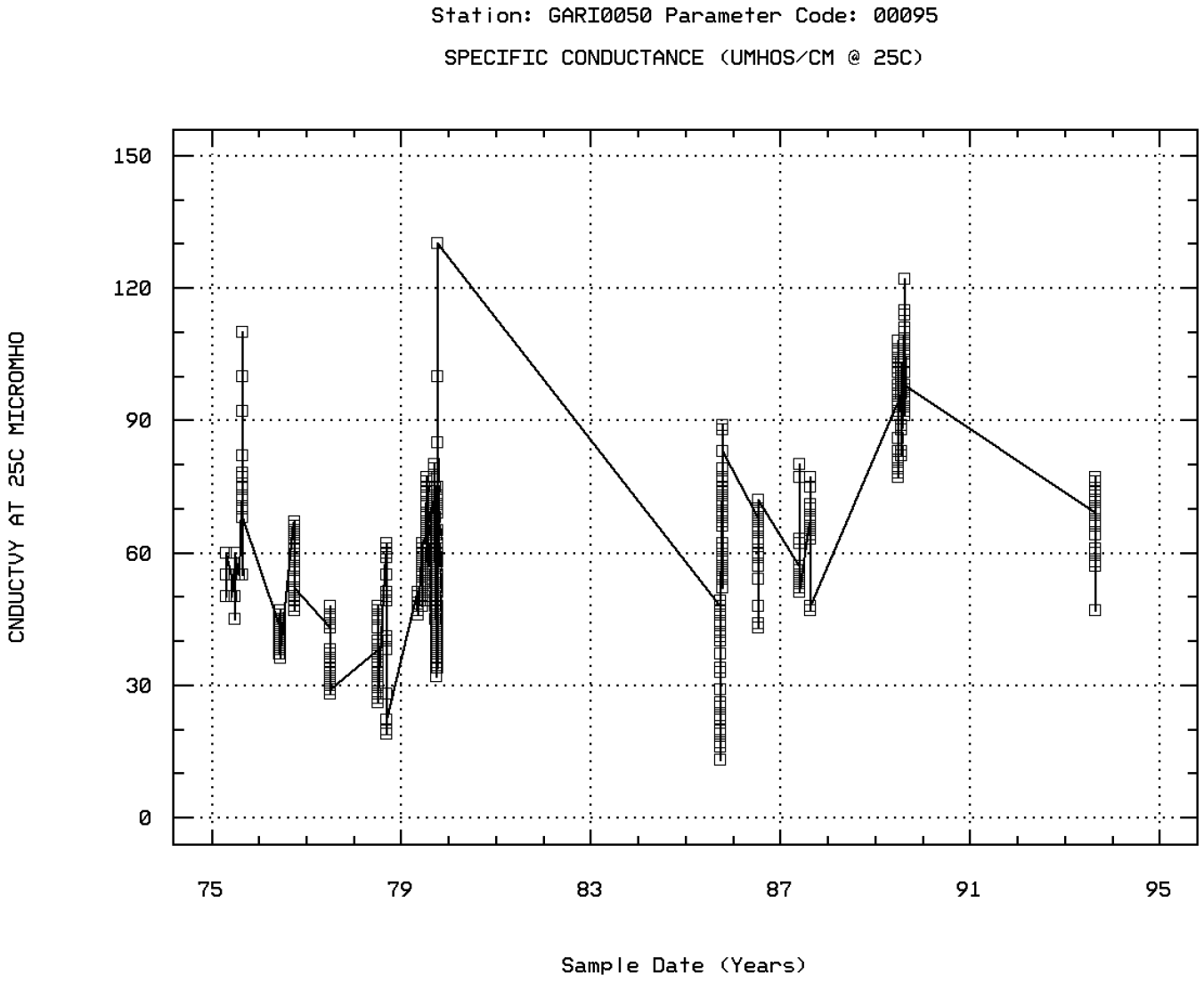
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	245	69	0.28				245	69	0.28						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2806	384	0.14	271	57	0.21	2535	327	0.13						
00400	PH	Other-Hi Lim.	9.	2355	0	0.00	192	0	0.00	2163	0	0.00						
		Other-Lo Lim.	6.5	2355	1660	0.70	192	72	0.38	2163	1588	0.73						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	361	0	0.00	13	0	0.00	348	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	318	0	0.00	13	0	0.00	305	0	0.00						
		Drinking Water	250.	318	0	0.00	13	0	0.00	305	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	334	0	0.00	13	0	0.00	321	0	0.00						
00997	ARSENIC, INORGANIC TOT	Fresh Acute	360.	13	0	0.00				13	0	0.00						
		Drinking Water	50.	13	0	0.00				13	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	168	0	0.00				168	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	194	0	0.00				194	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	178	0	0.00				178	0	0.00						
		Drinking Water	4.	178	0	0.00				178	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	204	0	0.00				204	0	0.00						
		Drinking Water	4.	178 &	5	0.03				178	5	0.03						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	39 &	0	0.00				39	0	0.00						
		Drinking Water	5.	39 &	0	0.00				39	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	41 &	3	0.07				41	3	0.07						
		Drinking Water	5.	41 &	2	0.05				41	2	0.05						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	137	0	0.00	13	0	0.00	124	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	153	0	0.00	13	0	0.00	140	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	39 &	0	0.00				39	0	0.00						
		Drinking Water	1300.	77	0	0.00				77	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	39 &	0	0.00				39	0	0.00						
		Drinking Water	1300.	90	0	0.00				90	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	77	0	0.00				77	0	0.00						
		Drinking Water	15.	39 &	0	0.00				39	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	90	0	0.00				90	0	0.00						
		Drinking Water	15.	39 &	0	0.00				39	0	0.00						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	143	0	0.00				143	0	0.00						
		Drinking Water	2.	23 &	23	1.00				23	23	1.00						
01059	THALLIUM, TOTAL	Fresh Acute	1400.	141	0	0.00				141	0	0.00						
		Drinking Water	2.	48 &	48	1.00				48	48	1.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	38	0	0.00				38	0	0.00						
		Drinking Water	100.	38	0	0.00				38	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	53	0	0.00				53	0	0.00						
		Drinking Water	100.	53	0	0.00				53	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	13	0	0.00				13	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01090	ZINC, DISSOLVED	Fresh Acute	120.	278	2	0.01				278	2	0.01						
		Drinking Water	5000.	278	0	0.00				278	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	315	24	0.08				315	24	0.08						
		Drinking Water	5000.	315	0	0.00				315	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	178	0	0.00				178	0	0.00						
		Drinking Water	6.	20 &	0	0.00				20	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	193	0	0.00				193	0	0.00						
		Drinking Water	6.	20 &	0	0.00				20	0	0.00						
03648	BENZO(A)PYRENE, LIQUID FRACTION, ELUTRIA	Drinking Water	0.2	0 &	0	0.00												
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	142	4	0.03	13	0	0.00	129	4	0.03						
		Drinking Water	2.	142	5	0.04	13	0	0.00	129	5	0.04						
71900	MERCURY, TOTAL	Fresh Acute	2.4	158	12	0.08	13	0	0.00	145	12	0.08						
		Drinking Water	2.	158	20	0.13	13	0	0.00	145	20	0.14						

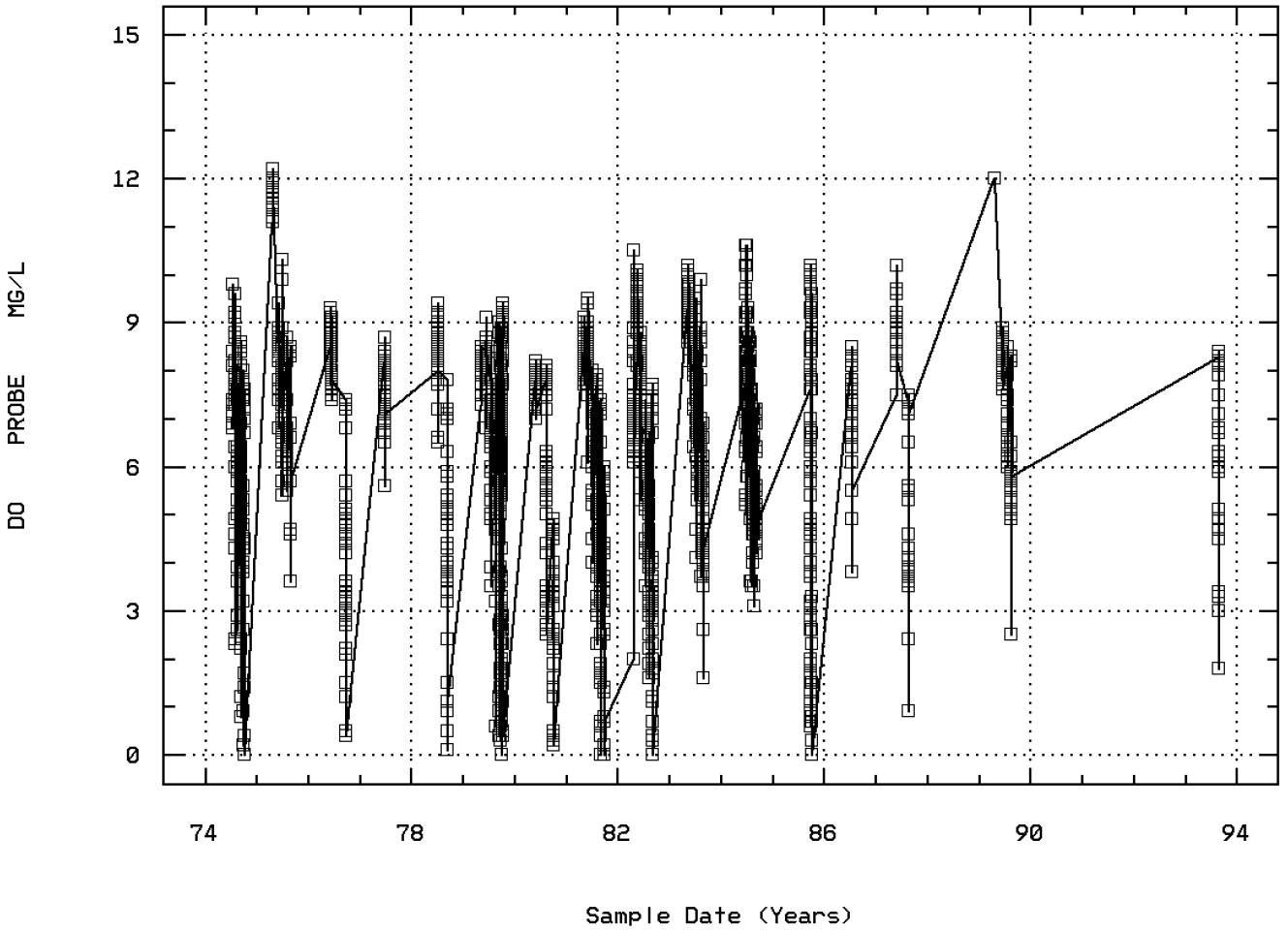
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



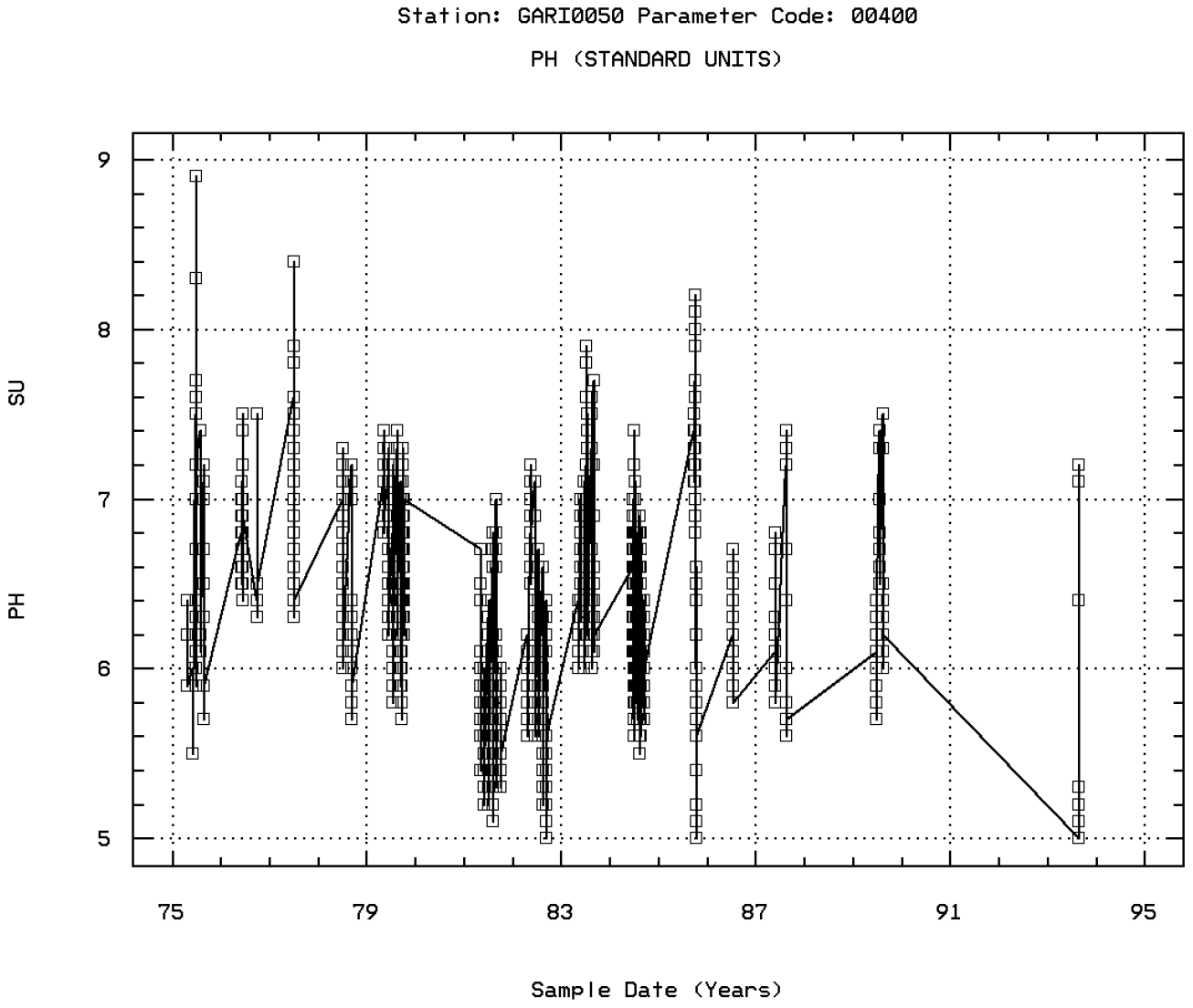
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00299

OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



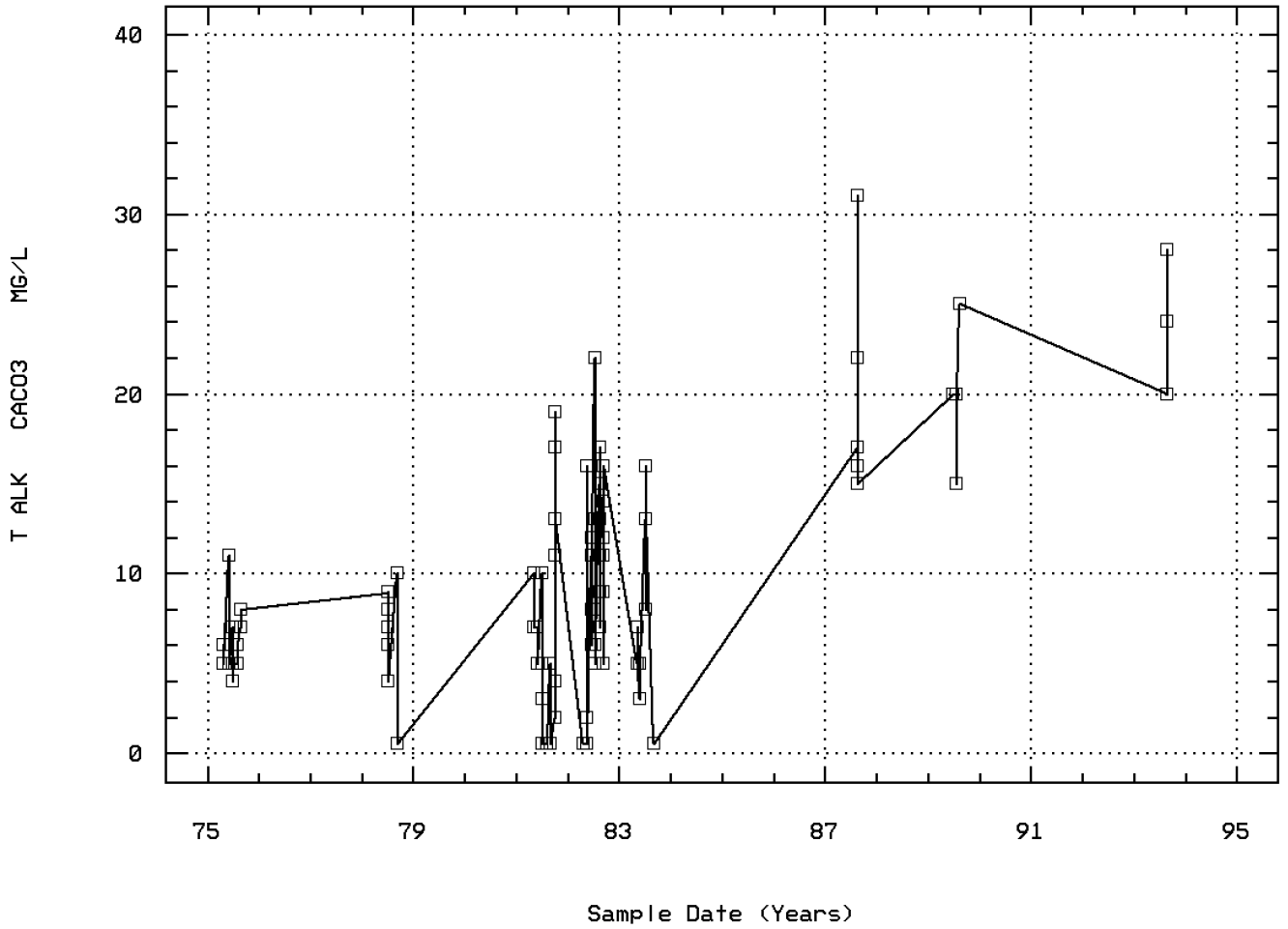
SUMMERSVILLE LAKE ON GAULEY R.



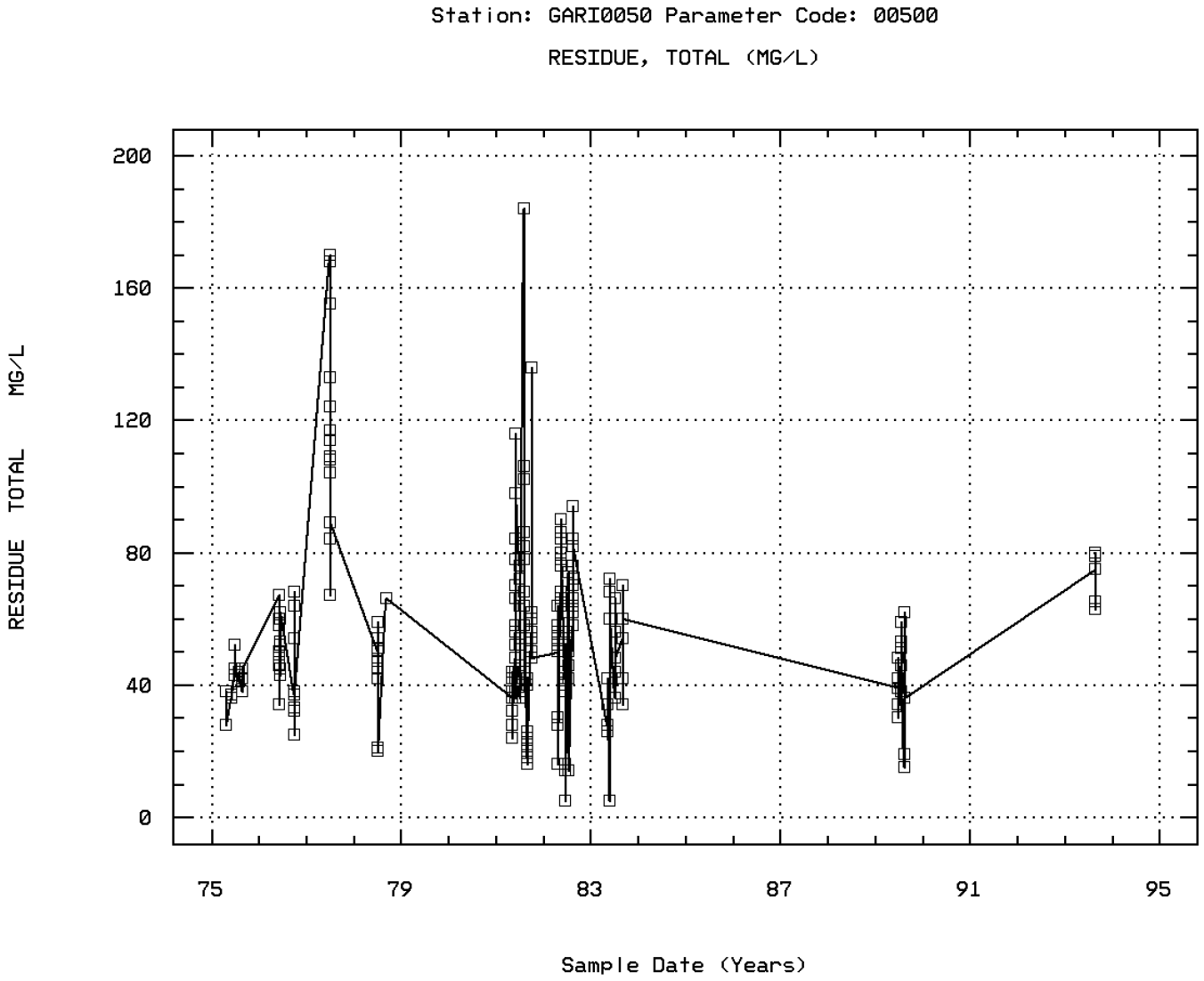
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00410

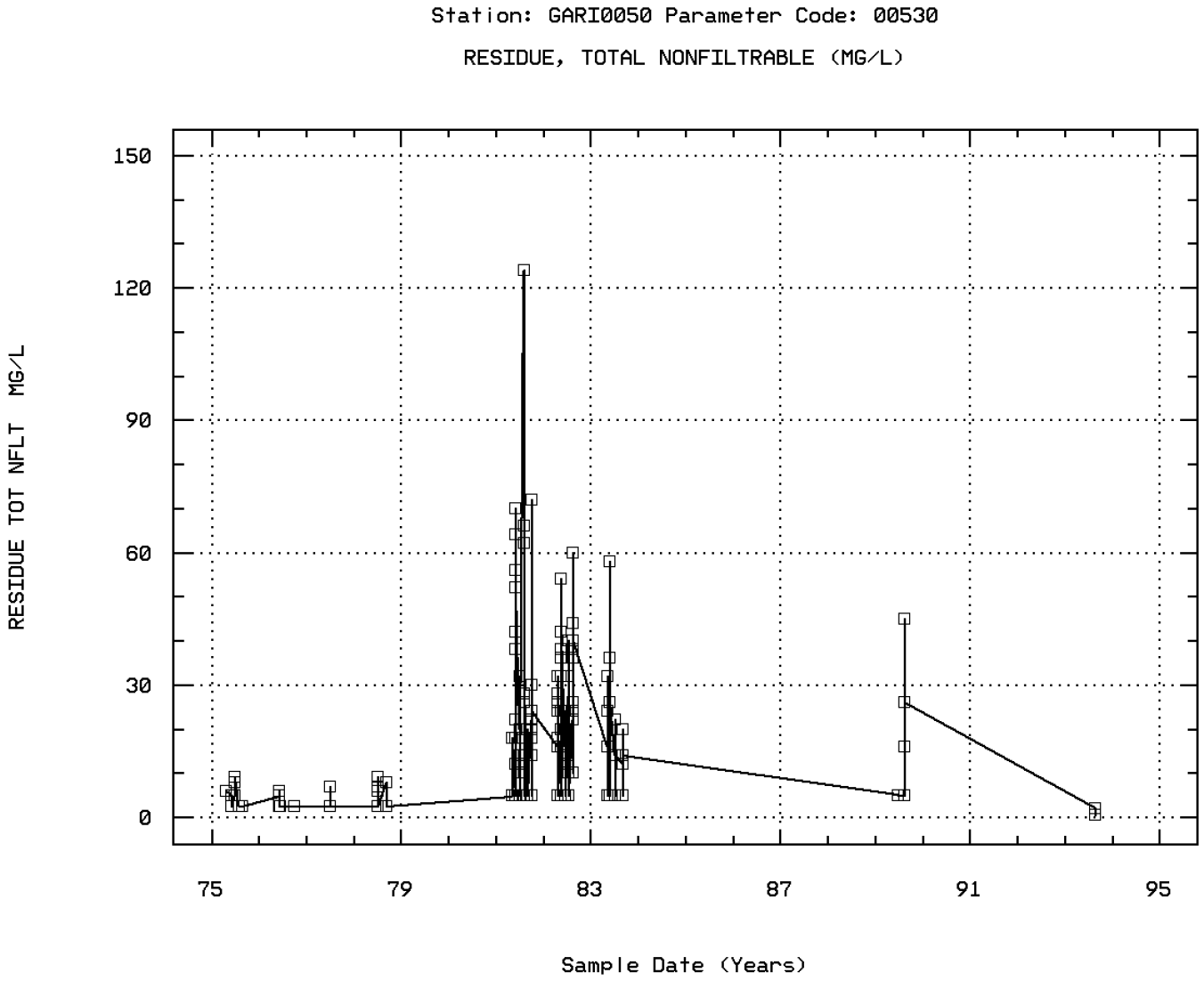
ALKALINITY, TOTAL (MG/L AS CACO3)



SUMMERSVILLE LAKE ON GAULEY R.



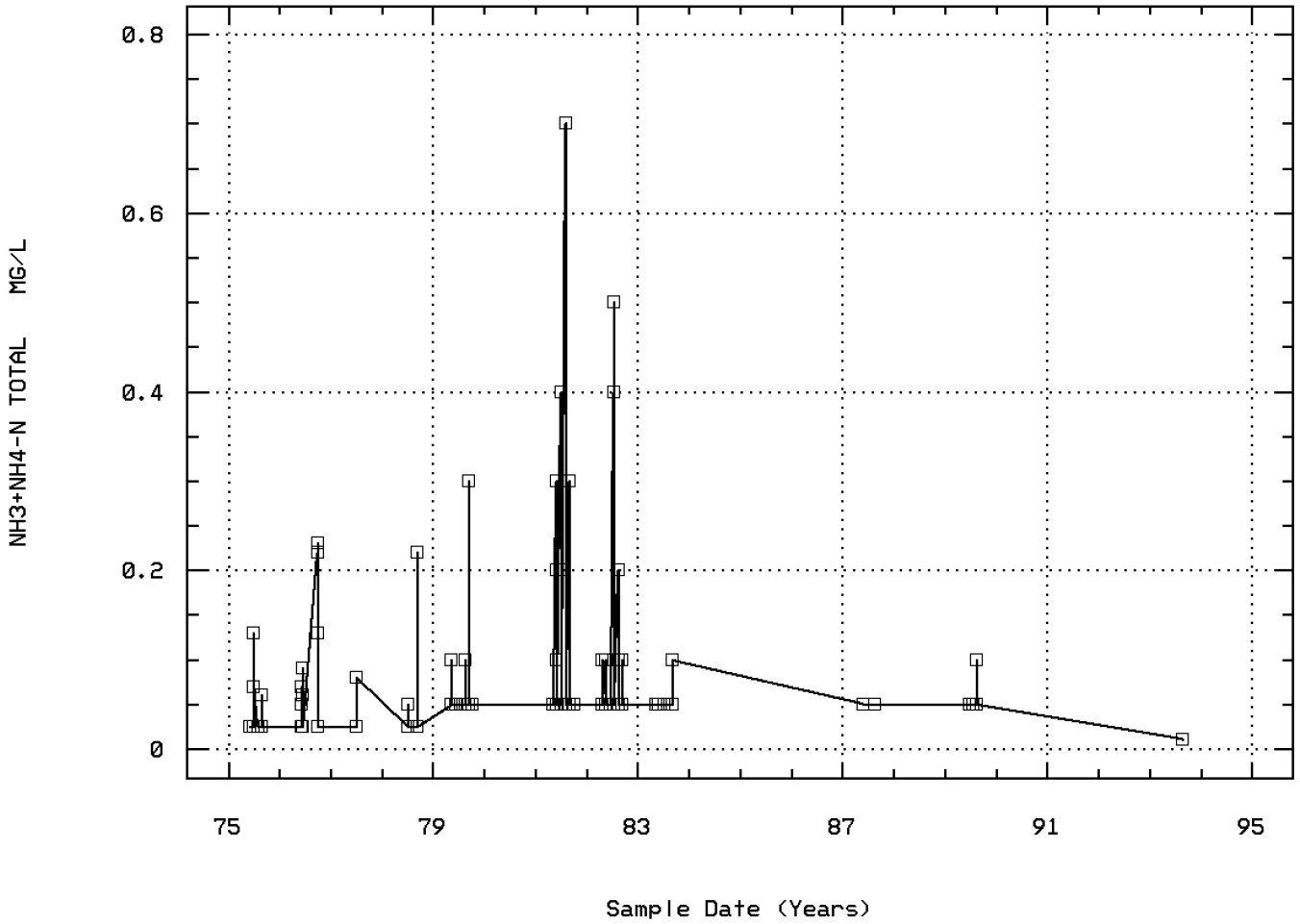
SUMMERSVILLE LAKE ON GAULEY R.



SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00610

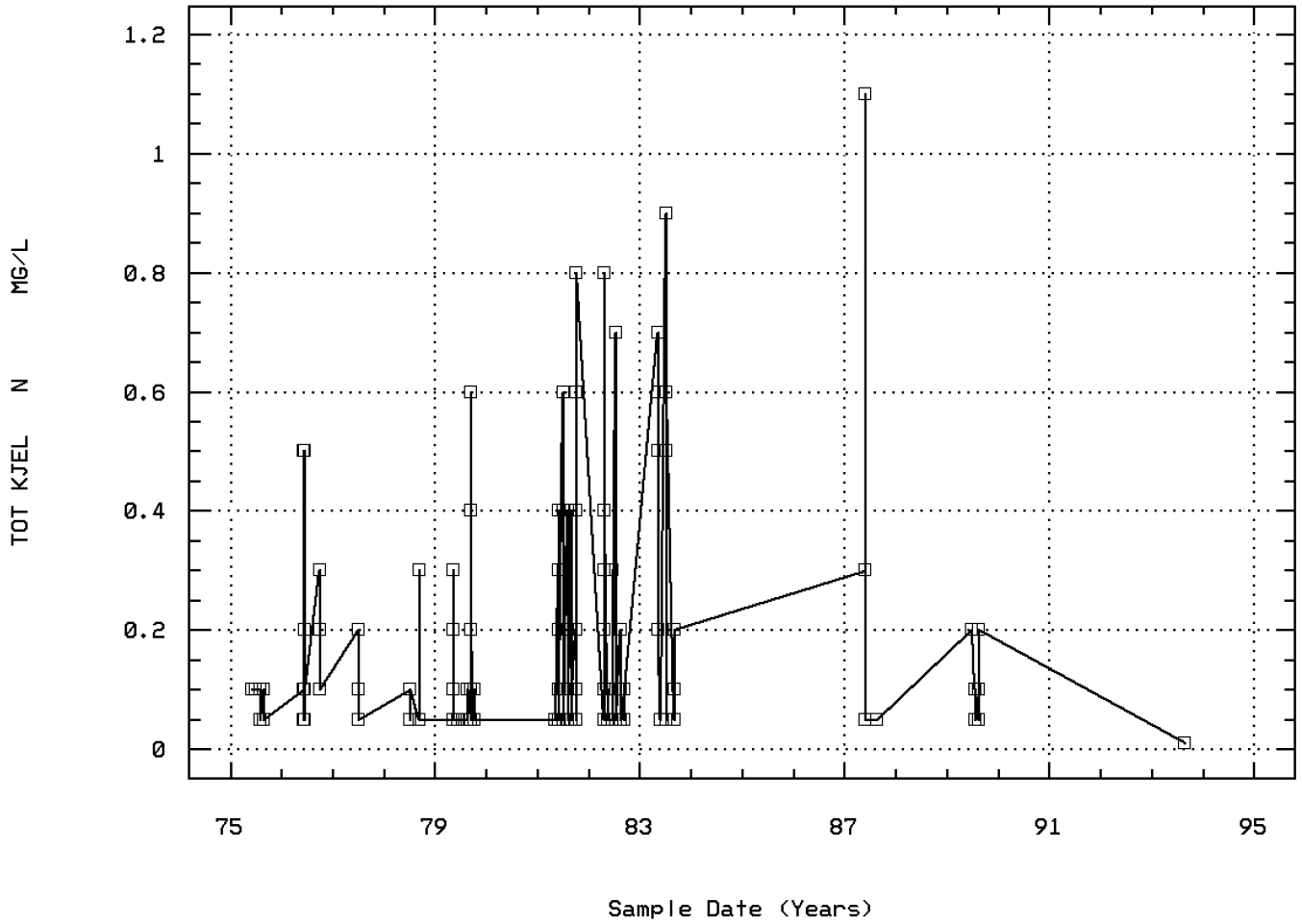
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



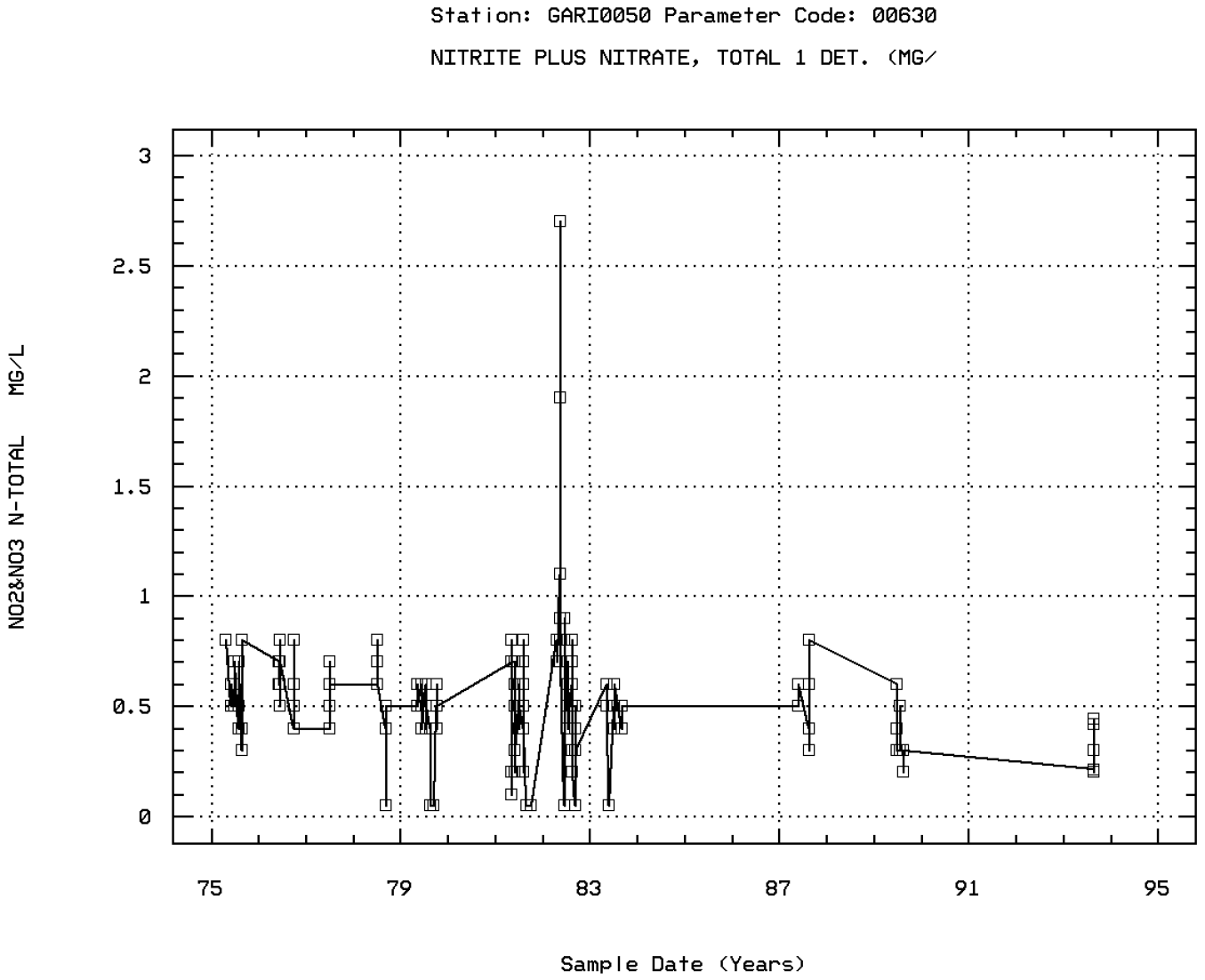
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00625

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



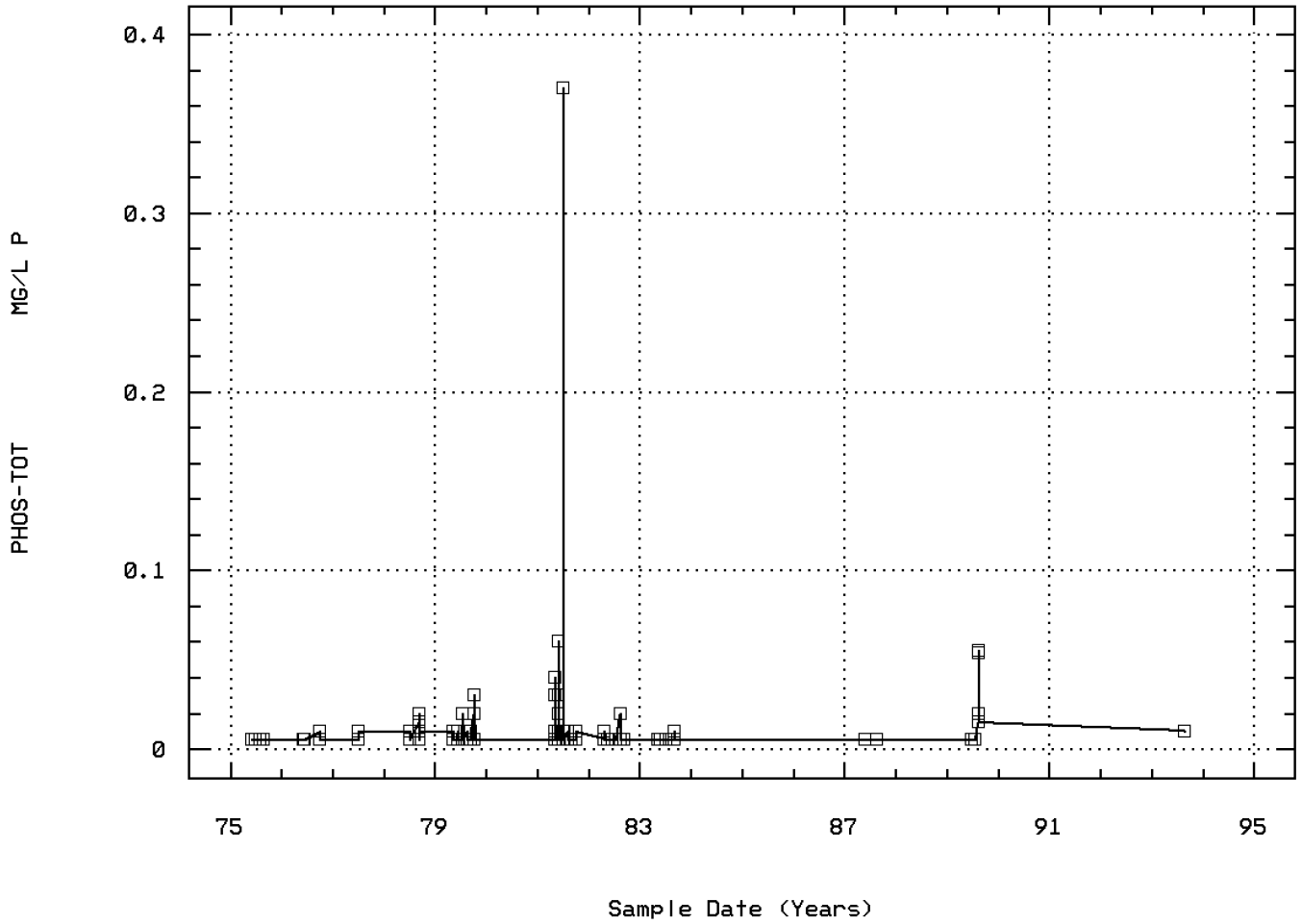
SUMMERSVILLE LAKE ON GAULEY R.



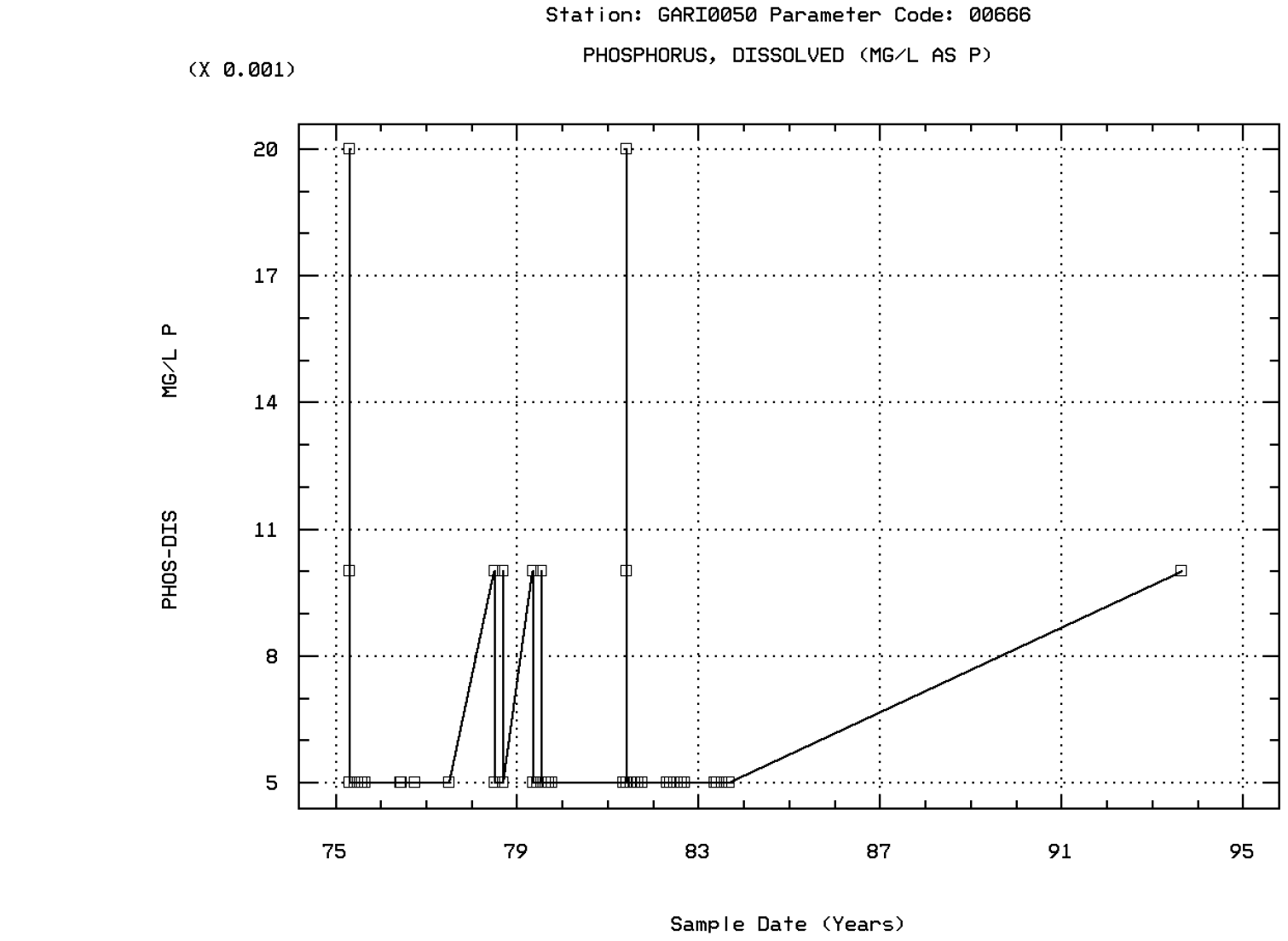
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00665

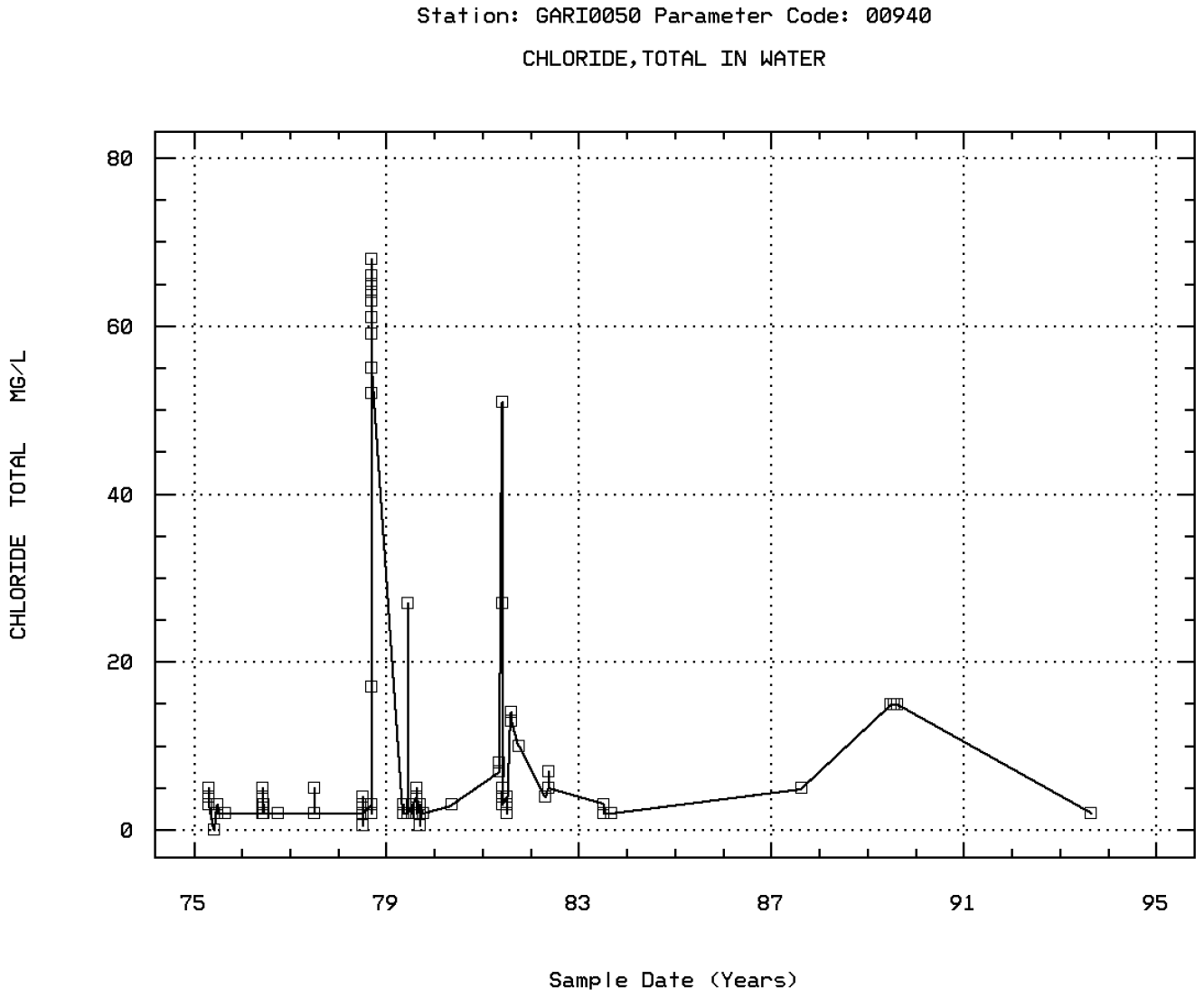
PHOSPHORUS, TOTAL (MG/L AS P)



SUMMERSVILLE LAKE ON GAULEY R.



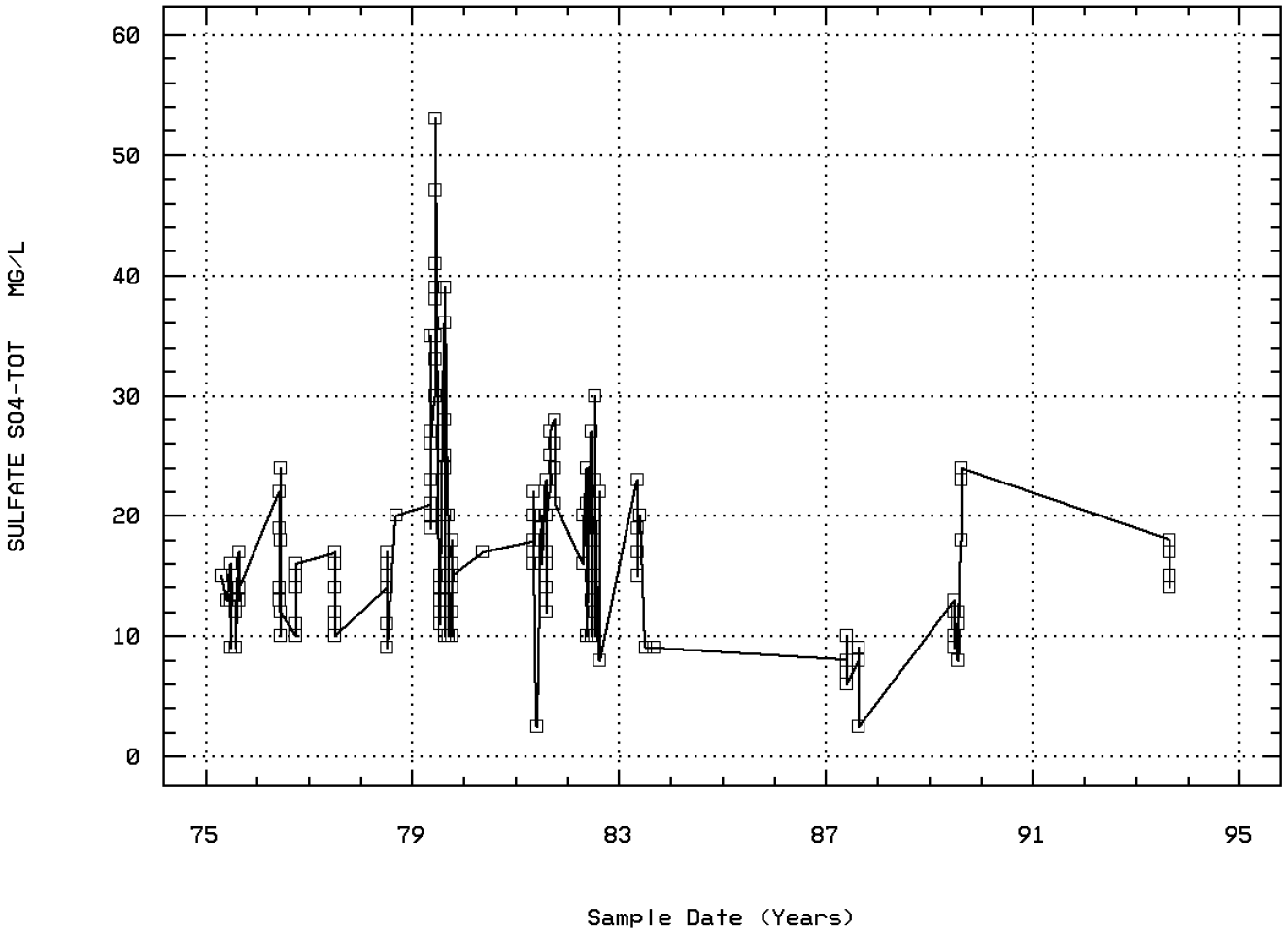
SUMMERSVILLE LAKE ON GAULEY R.



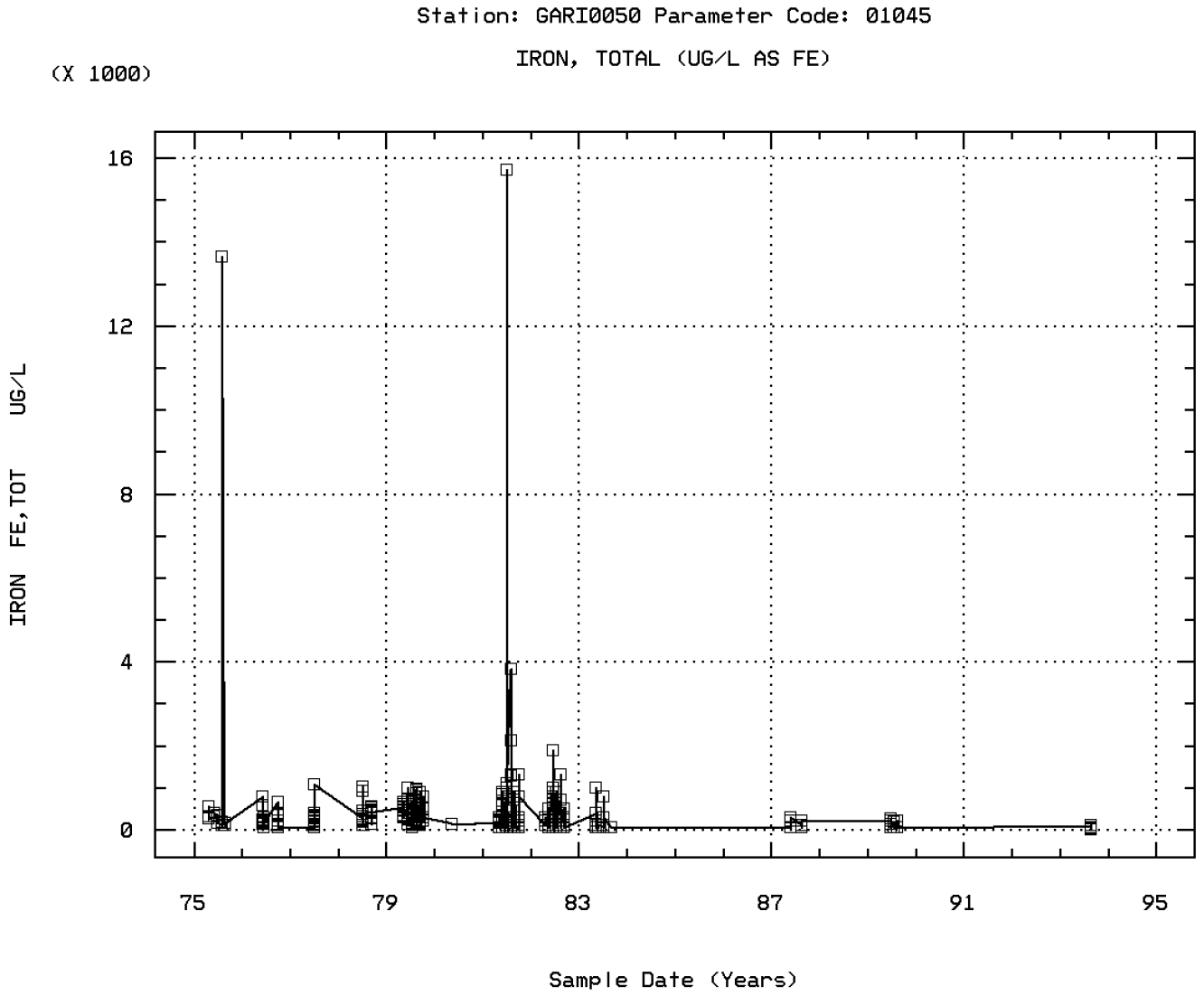
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00945

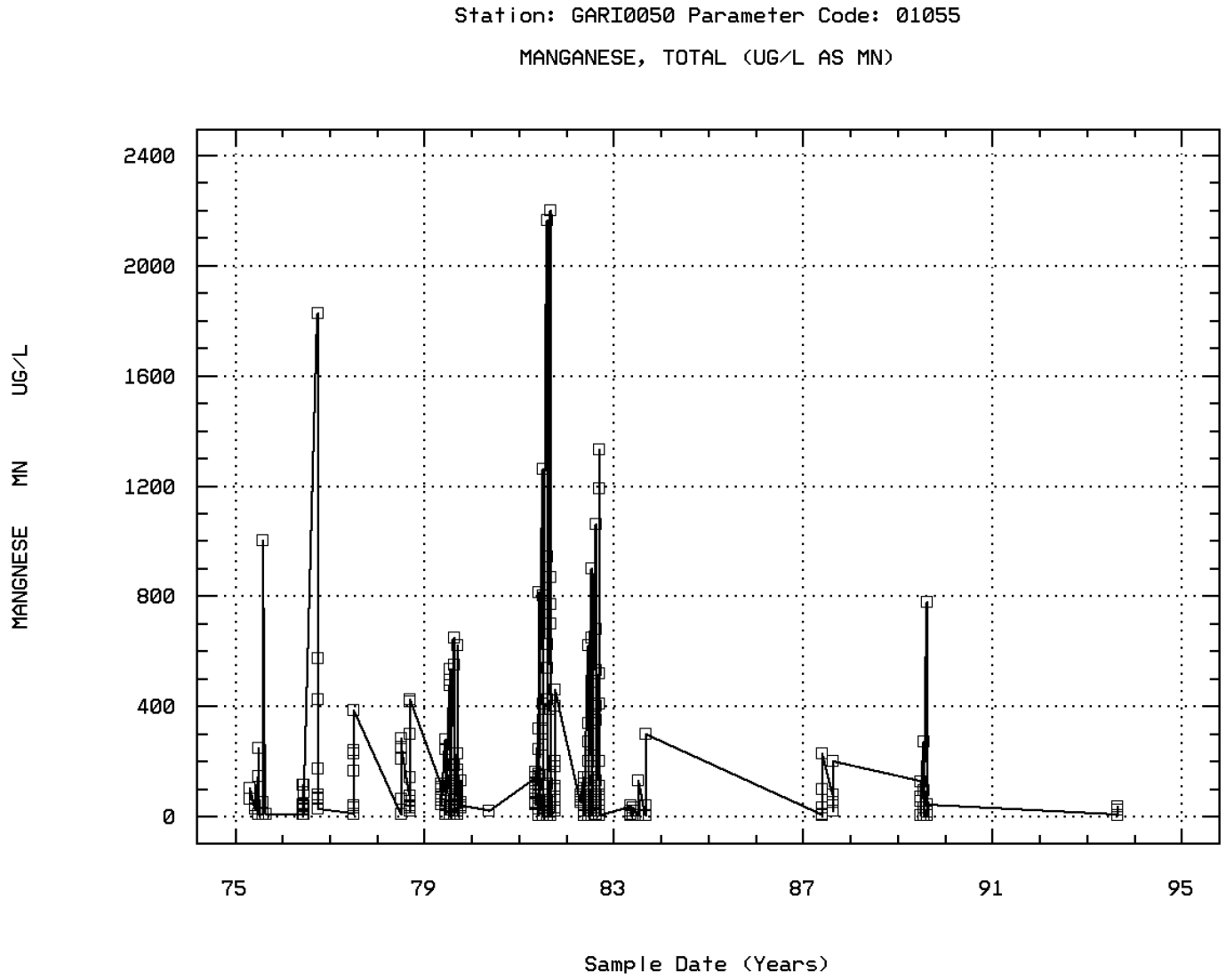
SULFATE, TOTAL (MG/L AS SO4)



SUMMERSVILLE LAKE ON GAULEY R.



SUMMERSVILLE LAKE ON GAULEY R.



SUMMERSVILLE LAKE ON GAULEY R.

Annual Analysis for 1974 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	136	17.7	17.376	27.2	8.7	13.993	3.741	11.94	15.925	18.8	22.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	6	23.	22.5	30.	12.	57.1	7.556	**	**	**	**
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	12	62.5	51.25	100.	1.	1695.477	41.176	1.6	5.5	93.5	100.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	8	4.	4.	4.	4.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/74-09/13/79	6	3.	3.	3.	3.	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	136	6.35	5.746	9.8	0.	5.759	2.4	1.61	4.5	7.6	8.1

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

Annual Analysis for 1975 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	182	15.9	14.965	27.9	5.	45.303	6.731	5.3	7.95	18.35	26.08
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	5	22.	23.4	31.	14.	46.3	6.804	**	**	**	**
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	36	38.	39.861	100.	1.	860.694	29.338	3.7	12.5	61.5	83.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/74-09/13/79	44	5.	4.582	7.	0.2	4.125	2.031	1.3	2.85	6.	7.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	76	55.	57.908	110.	45.	157.285	12.541	50.	50.	60.	75.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	182	8.5	8.827	12.2	3.6	4.317	2.078	6.23	7.4	11.4	11.9
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	76	6.2	6.42	8.9	5.5	0.386	0.622	5.9	6.	6.7	7.2
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	76	6.2	6.176	8.9	5.5	0.447	0.668	5.9	6.	6.7	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	76	0.631	0.667	3.162	0.001	0.281	0.53	0.063	0.2	1.	1.259
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	14	5.5	6.214	11.	4.	3.412	1.847	4.5	5.	7.25	9.5
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	13	42.	40.923	52.	28.	33.244	5.766	31.2	37.5	44.5	49.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	13 ##	2.5	4.346	9.	2.5	5.433	2.331	2.5	2.5	6.	8.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	11 ##	0.025	0.042	0.13	0.025	0.001	0.033	0.025	0.025	0.06	0.118
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	11	0.1	0.086	0.1	0.05	0.001	0.023	0.05	0.05	0.1	0.1
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	14	0.6	0.6	0.8	0.3	0.029	0.171	0.35	0.475	0.8	0.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	11 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	14 ##	0.005	0.006	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.015
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	14	20.	19.643	27.	16.	10.093	3.177	16.	16.	20.75	25.
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	13	3.5	4.262	10.	2.	6.859	2.619	2.2	2.8	4.05	10.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	13	2.	2.015	3.2	1.3	0.185	0.43	1.46	1.8	2.1	2.84
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	13	2.	5.846	51.	1.5	184.254	13.574	1.5	1.8	2.5	31.8
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	9	1.1	1.411	2.7	0.8	0.436	0.66	0.8	0.95	2.	2.7
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	14	2.	2.004	5.	0.05	1.831	1.353	0.525	1.	3.	4.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	14	13.	13.357	17.	9.	5.324	2.307	9.	12.75	15.	16.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	13 ##	25.	29.615	85.	25.	276.923	16.641	25.	25.	25.	61.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/25/75-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	13	305.	1297.769	13650.	104.	13790623.859	3713.573	108.4	155.	366.	8411.2
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	14 ##	50.	70.	150.	50.	1180.769	34.362	50.	50.	103.75	132.5
01051	LEAD, TOTAL (UG/L AS PB)	04/25/75-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	13	51.	137.077	1002.	10.	72110.077	268.533	10.	10.	123.5	699.6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	14	31.	90.857	510.	10.	19978.747	141.346	10.	10.	125.	375.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	13 ##	50.	120.769	700.	50.	34024.359	184.457	50.	50.	75.	528.
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	13	2.6	2.646	5.5	1.3	0.966	0.983	1.58	2.05	2.8	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

Annual Analysis for 1976 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	160	9.3	12.117	23.5	3.1	36.878	6.073	5.	7.125	19.375	21.29
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	9	24.	21.111	26.	5.	46.361	6.809	5.	19.5	24.	26.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/74-09/13/79	25	1.	0.968	1.6	0.5	0.143	0.378	0.5	0.5	1.25	1.54

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

Annual Analysis for 1976 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	141	447.	440.05	488.	-84.	4679.619	68.408	403.2	429.	475.	477.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	141	45.	46.482	67.	36.	83.194	9.121	37.	38.	50.	62.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	141	7.9	6.927	9.3	0.4	5.453	2.335	3.04	5.	8.6	9.
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	141	6.5	6.579	7.5	6.3	0.07	0.264	6.3	6.4	6.7	6.98
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	141	6.5	6.521	7.5	6.3	0.073	0.27	6.3	6.4	6.7	6.98
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	141	0.316	0.301	0.501	0.032	0.016	0.125	0.105	0.2	0.398	0.501
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	25	50.	49.	68.	25.	159.5	12.629	32.	37.5	60.	67.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	25 ##	2.5	2.74	6.	2.5	0.711	0.843	2.5	2.5	2.5	3.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	25 ##	0.025	0.052	0.23	0.025	0.003	0.058	0.025	0.025	0.055	0.166
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	25	0.1	0.19	0.5	0.05	0.028	0.168	0.05	0.1	0.25	0.5
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	25	0.6	0.612	0.8	0.4	0.017	0.13	0.4	0.5	0.7	0.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	25 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	25 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	25	20.	23.16	63.	16.	76.973	8.773	18.4	20.	24.	26.
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	25	4.1	4.572	8.7	2.4	1.477	1.215	3.5	4.	5.	6.06
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	25	2.2	2.424	3.9	1.8	0.272	0.521	1.86	2.1	2.65	3.34
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	25	2.8	2.762	3.6	0.25	0.507	0.712	2.	2.5	3.25	3.6
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	25	0.8	0.828	1.	0.7	0.006	0.079	0.76	0.8	0.85	1.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	25	2.	2.24	5.	1.	0.773	0.879	1.	2.	2.5	3.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	25	14.	14.68	24.	10.	18.31	4.279	10.	11.5	17.	22.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	06/04/76-08/12/82	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/25/75-08/12/82	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	25	184.	230.72	775.	50.	35652.71	188.819	50.	120.	266.	615.8
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	25 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/04/76-08/12/82	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	04/25/75-08/12/82	25 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	25	40.	156.4	1825.	10.	138390.167	372.008	10.	25.	100.	485.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	25	20.	138.76	1825.	10.	140993.023	375.49	10.	10.	62.5	475.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	25 ##	50.	63.2	380.	50.	4356.	66.	50.	50.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	25 ##	50.	144.4	2000.	50.	151719.417	389.512	50.	50.	50.	207.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	25 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/04/76-09/01/83	25 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	25 ##	0.5	1.012	3.1	0.5	0.771	0.878	0.5	0.5	1.8	2.6
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	25	1.	1.204	3.3	0.5	0.691	0.831	0.5	0.5	1.8	2.6

** - 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 1977 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	50	11.3	12.59	23.5	5.6	27.82	5.274	6.1	9.15	15.625	21.91
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/74-09/13/79	13	1.5	1.692	2.8	1.	0.346	0.588	1.	1.15	2.1	2.72
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	50	447.	426.2	480.	308.	3030.857	55.053	322.	406.25	469.	479.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	50	34.5	34.5	48.	28.	34.786	5.898	28.	29.	37.	43.9
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	50	7.6	7.564	8.7	5.6	0.357	0.598	6.9	7.1	8.1	8.29
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	50	6.5	6.79	8.4	6.3	0.272	0.521	6.4	6.4	7.025	7.6
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	50	6.5	6.604	8.4	6.3	0.307	0.554	6.4	6.4	7.025	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	50	0.316	0.249	0.501	0.004	0.024	0.155	0.025	0.095	0.398	0.398
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	13	114.	118.615	170.	67.	985.09	31.386	73.8	96.5	144.	169.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	13 ##	2.5	2.846	7.	2.5	1.558	1.248	2.5	2.5	2.5	5.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	13 ##	0.025	0.029	0.08	0.025	0.	0.015	0.025	0.025	0.025	0.058
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	13	0.1	0.119	0.2	0.05	0.004	0.06	0.05	0.075	0.2	0.2
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	13	0.6	0.6	0.7	0.4	0.012	0.108	0.4	0.55	0.7	0.7
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	13 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	13 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	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 1977 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	13	16.	20.769	68.	12.	209.026	14.458	12.8	15.	20.	49.6
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	13	4.3	4.623	9.4	3.5	2.264	1.505	3.62	3.85	4.6	7.72
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	13	2.	2.015	2.6	1.8	0.065	0.254	1.8	1.8	2.2	2.48
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	13	2.2	2.038	2.5	1.4	0.154	0.393	1.4	1.65	2.2	2.5
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	13	0.7	0.792	1.	0.7	0.021	0.144	0.7	0.7	1.	1.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	13	1.	1.692	5.	1.	1.231	1.109	1.	1.	2.	3.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	13	12.	13.077	17.	10.	8.41	2.9	10.	10.	16.5	17.
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	13	215.	277.231	1075.	50.	68968.859	262.619	74.	110.	332.5	807.
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	13 ##	50.	53.846	100.	50.	192.308	13.868	50.	50.	50.	80.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	13	30.	106.154	385.	10.	16288.141	127.625	10.	10.	230.	327.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	13	20.	102.308	385.	10.	16244.231	127.453	10.	10.	225.	323.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	13 ##	0.5	0.538	1.	0.5	0.019	0.139	0.5	0.5	0.5	0.8
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	13 ##	0.5	0.946	2.1	0.5	0.414	0.644	0.5	0.5	1.6	2.06

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Annual Analysis for 1978 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	101	18.5	16.276	26.	5.2	41.982	6.479	5.94	11.	21.25	25.06
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	3	30.	30.333	33.	28.	6.333	2.517	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	51	89.8	88.116	99.8	67.9	66.188	8.136	75.94	81.6	94.4	96.96
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	101	420.	410.119	491.	283.	2346.726	48.443	339.2	393.5	443.	454.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	101	39.	42.663	62.	19.	167.546	12.944	27.	34.	59.	60.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	101	7.2	6.354	9.4	0.1	6.096	2.469	3.6	3.9	8.5	8.88
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	101	6.3	6.284	7.3	5.7	0.172	0.414	5.9	5.9	6.5	7.
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	101	6.3	6.131	7.3	5.7	0.195	0.442	5.9	5.9	6.5	7.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	101	0.501	0.74	1.995	0.05	0.281	0.53	0.1	0.316	1.259	1.259
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	24 ##	2.25	3.958	10.	0.5	13.737	3.706	0.5	0.5	7.75	9.
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	13	50.	46.615	66.	20.	172.423	13.131	20.4	43.5	54.	63.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	14 ##	2.5	3.929	9.	2.5	5.879	2.425	2.5	2.5	6.25	8.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	25 ##	0.025	0.034	0.22	0.025	0.002	0.039	0.025	0.025	0.025	0.035
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	25 ##	0.05	0.08	0.3	0.05	0.003	0.052	0.05	0.05	0.1	0.1
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	25	0.6	0.598	1.	0.05	0.045	0.211	0.4	0.5	0.7	1.
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	25 ##	0.005	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.017
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	24 ##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.008
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	25	19.	27.2	148.	12.	958.333	30.957	16.	17.5	20.5	56.4
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	25	4.5	7.728	55.	2.5	148.334	12.179	3.5	4.	4.95	19.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	25	2.	1.944	2.5	1.5	0.043	0.206	1.6	1.8	2.	2.2
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	25	2.5	2.256	3.	1.3	0.25	0.5	1.5	1.85	2.6	3.
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	25	0.7	0.732	0.9	0.5	0.022	0.149	0.56	0.6	0.9	0.9
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	24	3.5	27.563	68.	0.5	882.55	29.708	1.5	2.	62.5	65.5
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	12	14.	14.083	20.	9.	10.083	3.175	9.6	11.	16.75	19.1
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/09/78-08/12/82	12 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	12 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	06/04/76-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/25/75-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	25	365.	397.	1025.	115.	44497.917	210.945	166.	270.	467.5	696.
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	25 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/04/76-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	04/25/75-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	25	30.	99.8	425.	10.	17440.083	132.061	10.	10.	173.5	346.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	25	20.	81.8	385.	10.	13335.917	115.481	10.	10.	106.	307.

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Annual Analysis for 1978 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	13 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/04/76-09/01/83	12 ##	250.	250.	250.	250.	0.	0.	250.	250.	250.	250.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	18 ##	0.5	0.881	2.37	0.5	0.373	0.611	0.5	0.5	1.34	2.001
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	15 ##	0.5	0.836	1.92	0.5	0.268	0.518	0.5	0.5	1.22	1.728
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	15 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	15	1.5	1.453	1.6	1.3	0.01	0.099	1.3	1.4	1.5	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	24 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	24 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5

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Annual Analysis for 1979 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	579	17.6	15.973	24.7	5.	22.944	4.79	6.3	14.	19.3	20.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	30	20.	20.6	32.	6.	53.145	7.29	6.	19.	25.75	29.9
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	312	75.	75.606	100.	40.	169.702	13.027	56.	67.	85.55	92.79
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/16/74-09/13/79	157	45.	49.484	81.	21.	243.764	15.613	30.	39.	65.	70.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	472	413.	405.148	500.	200.	2263.439	47.576	345.	380.	435.	455.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	526	54.	54.914	130.	32.	142.795	11.95	39.	47.	65.	70.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	526	7.3	6.64	9.4	0.	4.45	2.109	3.27	5.9	8.	8.5
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	472	6.4	6.54	7.4	5.7	0.179	0.423	6.	6.2	6.9	7.2
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	472	6.4	6.358	7.4	5.7	0.213	0.461	6.	6.2	6.9	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	472	0.398	0.439	1.995	0.04	0.154	0.392	0.063	0.126	0.631	1.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	74 ##	0.05	0.059	0.3	0.05	0.001	0.032	0.05	0.05	0.05	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	76 ##	0.05	0.086	0.6	0.05	0.007	0.085	0.05	0.05	0.1	0.2
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	76	0.4	0.35	0.6	0.05	0.045	0.213	0.05	0.05	0.5	0.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	76 ##	0.005	0.007	0.03	0.005	0.	0.004	0.005	0.005	0.01	0.01
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	76 ##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	64	16.	16.25	23.	13.	5.302	2.303	13.	14.25	18.	19.
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	76	3.45	3.993	13.	2.2	4.341	2.084	2.47	3.	4.	5.87
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	76	1.9	2.237	5.4	1.3	0.729	0.854	1.6	1.8	2.2	3.83
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	76	2.3	2.597	5.5	1.3	0.914	0.956	1.6	2.	2.875	4.09
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	76	1.1	1.659	5.1	0.5	2.162	1.471	0.7	0.8	1.3	4.73
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	76	2.	2.612	27.	0.5	8.744	2.957	1.	2.	3.	4.
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	76	18.	20.842	53.	10.	95.788	9.787	11.	13.25	25.75	36.6
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/09/78-08/12/82	75 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	76 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	62 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	62 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	76	300.	378.868	990.	50.	53842.836	232.041	128.5	200.	522.5	720.3
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	76 ##	50.	60.197	255.	50.	1309.627	36.189	50.	50.	50.	100.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	76	40.	102.934	650.	10.	21397.102	146.277	10.	30.	110.	255.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	74	30.	88.324	605.	10.	20313.044	142.524	10.	10.	90.	250.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	49 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	49 ##	50.	61.531	280.	50.	1913.754	43.746	50.	50.	50.	50.
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	34 ##	0.5	0.706	2.	0.5	0.201	0.449	0.5	0.5	0.5	1.7
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	37	1.1	1.008	2.	0.5	0.252	0.502	0.5	0.5	1.4	1.72

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Annual Analysis for 1980 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	153	19.5	17.608	29.5	7.5	38.293	6.188	9.54	11.1	22.5	25.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	153	380.	311.471	460.	70.	18806.211	137.136	130.	150.	435.	450.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	153	50.	50.804	70.	40.	78.79	8.876	40.	45.	60.	61.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	153	6.	5.373	8.2	0.2	6.234	2.497	1.72	3.3	7.65	8.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	1	0.98	0.98	0.98	0.98	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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

Annual Analysis for 1981 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	315	16.1	15.533	25.9	4.6	26.865	5.183	8.18	12.5	19.6	20.82
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	36	23.5	22.611	32.	7.	33.159	5.758	13.4	19.	26.	30.3
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	32	29.5	32.081	95.	0.	815.514	28.557	0.	1.9	52.75	73.5
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	266	69.5	62.892	100.	2.4	491.741	22.175	24.	59.25	76.	81.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	264	275.	298.189	481.	109.	7944.55	89.132	217.5	243.25	309.75	464.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	315	54.	54.346	97.	13.	492.762	22.198	15.	43.	73.	81.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	315	6.5	6.156	9.5	0.	5.351	2.313	3.	4.4	8.3	8.6
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	315	5.7	5.755	7.	5.1	0.122	0.35	5.3	5.5	5.9	6.2
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	315	5.7	5.641	7.	5.1	0.135	0.368	5.3	5.5	5.9	6.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	315	1.995	2.284	7.943	0.1	2.442	1.563	0.631	1.259	3.162	5.012
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	80	1.	3.163	19.	0.5	15.973	3.997	0.5	0.5	6.5	7.
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	75	50.	55.2	184.	16.	806.703	28.403	24.	38.	68.	86.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/81-08/25/93	77	38.	37.377	76.	16.	190.869	13.816	20.	24.	45.	54.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	73	12.	18.822	124.	5.	469.176	21.66	5.	5.	23.	54.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	80 ##	0.05	0.075	0.7	0.05	0.009	0.092	0.05	0.05	0.05	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	80 ##	0.05	0.136	1.	0.05	0.031	0.177	0.05	0.05	0.1	0.4
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	80	0.5	0.404	0.8	0.05	0.075	0.274	0.05	0.05	0.6	0.7
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	80 ##	0.005	0.013	0.37	0.005	0.002	0.041	0.005	0.005	0.005	0.02
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	80 ##	0.005	0.005	0.02	0.005	0.	0.002	0.005	0.005	0.005	0.005
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	80 ##	0.5	2.499	52.	0.5	37.806	6.149	0.5	0.5	3.	4.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	80	18.	19.55	73.	7.	62.732	7.92	8.4	18.	21.	26.
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	80	4.	4.619	16.	0.5	3.369	1.835	3.	4.	5.	6.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	80	2.	2.006	8.	0.5	0.725	0.851	1.	2.	2.	2.
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	80	2.	1.463	3.	0.5	0.625	0.791	0.5	0.5	2.	2.
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	80 ##	0.5	1.281	4.	0.5	0.942	0.971	0.5	0.5	2.	3.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	80	4.	6.425	51.	1.	53.387	7.307	1.	1.	10.	13.
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	80	19.	17.5	28.	2.5	62.437	7.902	2.5	16.	23.	27.
01007	BARIUM, TOTAL (UG/L AS BA)	05/05/81-08/16/89	80	33.	35.163	73.	24.	75.176	8.67	28.	31.	36.	43.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/05/81-08/16/89	80 ##	0.5	0.888	15.	0.5	4.139	2.034	0.5	0.5	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/09/78-08/12/82	25 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	25 ##	0.5	0.84	5.	0.5	1.078	1.038	0.5	0.5	0.5	2.4
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	23 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5

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Annual Analysis for 1981 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	25 ##	0.5	0.74	4.	0.5	0.711	0.843	0.5	0.5	0.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	06/04/76-08/12/82	25 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01042	COPPER, TOTAL (UG/L AS CU)	04/25/75-08/12/82	25 ##	2.5	3.3	11.	2.5	4.208	2.051	2.5	2.5	2.5	6.4
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	81	176.	577.284	15700.	50.	3208342.031	1791.185	50.	50.	645.5	1000.
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	80 ##	50.	66.25	300.	50.	2327.532	48.244	50.	50.	50.	100.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/04/76-08/12/82	25 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01051	LEAD, TOTAL (UG/L AS PB)	04/25/75-08/12/82	25 ##	1.	2.12	8.	1.	3.693	1.922	1.	1.	3.	5.4
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	77	73.	244.494	2200.	5.	169864.674	412.146	5.	30.	289.5	776.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	80	48.	194.975	2163.	5.	144392.278	379.99	5.	20.	149.5	653.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	80 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	80 ##	25.	59.9	620.	25.	6615.635	81.337	25.	25.	78.25	128.1
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/05/81-08/16/89	80 ##	50.	38.75	50.	5.	384.494	19.609	5.	16.25	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	80	158.5	292.05	2170.	25.	123336.833	351.193	74.3	107.75	368.5	685.6
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/04/76-09/01/83	80	72.	80.138	330.	25.	3561.513	59.678	25.	25.	91.	137.9
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	52 ##	0.5	0.931	6.31	0.5	0.888	0.942	0.5	0.5	1.223	1.927
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	31 ##	0.5	0.74	1.95	0.5	0.198	0.445	0.5	0.5	1.01	1.636
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	31 ##	0.5	0.587	1.4	0.5	0.056	0.237	0.5	0.5	0.5	1.122
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	31	1.4	1.339	1.6	1.1	0.014	0.12	1.12	1.3	1.4	1.5
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	27 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	27 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	315	20.	31.797	145.	10.	711.239	26.669	10.	15.	40.	65.

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Annual Analysis for 1982 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	292	15.2	13.904	26.1	4.6	36.784	6.065	6.	7.2	18.1	21.87
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	63	17.	19.451	82.	0.	389.394	19.733	0.1	0.6	29.	47.2
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	229	80.	73.943	100.	1.	512.405	22.636	34.	62.5	92.	100.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	244	343.	323.693	411.	104.	3327.819	57.687	248.5	289.	366.75	379.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	292	57.	56.805	83.	36.	80.103	8.95	43.	52.	62.	68.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	292	6.6	6.259	10.5	0.	5.717	2.391	3.	4.3	8.1	9.8
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	291	5.8	5.921	7.2	5.	0.246	0.496	5.3	5.6	6.2	6.8
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	291	5.8	5.691	7.2	5.	0.299	0.546	5.3	5.6	6.2	6.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	291	1.585	2.037	10.	0.063	4.215	2.053	0.158	0.631	2.512	5.012
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	71	9.	8.169	22.	0.5	38.614	6.214	0.5	0.5	12.	16.
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	61	58.	57.23	94.	5.	389.213	19.728	28.4	48.	69.	83.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/81-08/25/93	61	34.	34.623	80.	5.	210.005	14.492	14.8	26.	43.	54.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	61	22.	22.705	60.	5.	202.778	14.24	5.	10.	36.	41.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	77 ##	0.05	0.066	0.5	0.05	0.004	0.067	0.05	0.05	0.05	0.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	76 ##	0.05	0.136	0.8	0.05	0.027	0.163	0.05	0.05	0.1	0.3
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	77	0.6	0.588	2.7	0.05	0.227	0.476	0.05	0.3	0.8	0.8
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	75 ##	0.005	0.005	0.02	0.005	0.	0.002	0.005	0.005	0.005	0.005
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	67 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	73 ##	0.5	1.171	9.	0.5	2.765	1.663	0.5	0.5	1.	2.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	76	18.	14.553	31.	0.25	58.647	7.658	0.25	10.	21.	21.
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	72	4.	3.167	9.	0.5	3.394	1.842	0.5	2.	5.	5.
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	77	2.	1.662	3.	0.5	0.371	0.609	0.5	1.	2.	2.
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	77	2.	2.123	6.	0.5	0.817	0.904	1.	2.	2.	3.2
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	74 ##	0.75	1.115	4.	0.5	0.785	0.886	0.5	0.5	1.	3.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	33 ##	1.	1.879	7.	1.	3.11	1.763	1.	1.	1.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	61	16.	15.574	30.	8.	31.749	5.635	8.	10.	20.	22.
01007	BARIUM, TOTAL (UG/L AS BA)	05/05/81-08/16/89	68	34.	37.059	120.	22.	179.996	13.416	28.9	30.	40.75	47.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/05/81-08/16/89	77 ##	0.5	0.669	7.	0.5	0.826	0.909	0.5	0.5	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/09/78-08/12/82	14 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5

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Annual Analysis for 1982 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	14 ##	0.5	1.143	4.	0.5	1.324	1.151	0.5	0.5	2.	3.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	14 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	14 ##	0.5	0.75	4.	0.5	0.875	0.935	0.5	0.5	0.5	2.25
01040	COPPER, DISSOLVED (UG/L AS CU)	06/04/76-08/12/82	14 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01042	COPPER, TOTAL (UG/L AS CU)	04/25/75-08/12/82	14 ##	2.5	3.321	14.	2.5	9.446	3.074	2.5	2.5	2.5	8.25
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	74	200.	325.	1900.	50.	125154.11	353.771	50.	50.	425.	900.
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	75 ##	50.	76.	500.	50.	5227.027	72.298	50.	50.	50.	140.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/04/76-08/12/82	14 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01051	LEAD, TOTAL (UG/L AS PB)	04/25/75-08/12/82	14 ##	1.	1.571	6.	1.	2.264	1.505	1.	1.	1.	5.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	74	70.	187.23	1330.	5.	77919.275	279.14	7.5	40.	200.	575.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	73	50.	143.63	1020.	5.	52798.792	229.78	5.	20.	115.	510.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	76 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	74 ##	25.	77.973	2320.	25.	79487.616	281.935	25.	25.	25.	75.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/05/81-08/16/89	77 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	73	100.	192.808	1330.	25.	58684.018	242.248	25.	25.	280.	564.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/04/76-09/01/83	74 ##	25.	45.608	240.	25.	1670.516	40.872	25.	25.	60.	100.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	55 ##	0.5	0.925	3.63	0.5	0.719	0.848	0.5	0.5	1.08	2.61
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	31 ##	0.5	1.022	3.09	0.5	0.68	0.825	0.5	0.5	1.76	2.442
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	32 ##	0.5	0.621	1.92	0.5	0.121	0.349	0.5	0.5	0.5	1.163
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	32	1.3	1.356	1.7	1.	0.036	0.19	1.1	1.2	1.5	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	14 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	14 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	291	9.	15.086	160.	3.	326.203	18.061	4.	5.	20.	35.

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Annual Analysis for 1983 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	364	15.05	15.763	27.5	6.7	30.16	5.492	8.	11.525	19.8	23.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	7	20.	20.286	29.	11.	30.238	5.499	**	**	**	**
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	97	24.	24.878	92.	0.	360.329	18.982	1.3	7.	37.	49.2
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	321	79.	76.704	100.	48.	126.884	11.264	62.	68.	86.	90.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	332	195.	201.304	315.	130.	2234.557	47.271	147.	157.	225.	282.1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/80-09/01/83	332	62.	73.34	158.	43.	868.479	29.47	50.3	56.	73.75	141.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	332	8.1	7.689	10.2	1.	2.85	1.688	5.3	6.625	9.	9.6
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	332	6.4	6.502	7.9	6.	0.145	0.381	6.1	6.2	6.6	7.
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	332	6.4	6.386	7.9	6.	0.159	0.398	6.1	6.2	6.6	7.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	332	0.398	0.411	1.	0.013	0.059	0.244	0.1	0.251	0.631	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	21	5.	5.548	16.	0.5	21.648	4.653	0.5	1.75	7.5	13.
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	21	42.	43.429	72.	5.	376.757	19.41	9.2	31.	60.	69.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/81-08/25/93	20	33.	26.55	50.	5.	313.103	17.695	5.	5.	42.	49.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	20	14.	17.35	58.	5.	186.239	13.647	5.	5.	24.	35.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	21 ##	0.05	0.052	0.1	0.05	0.	0.011	0.05	0.05	0.05	0.05
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	21	0.2	0.324	0.9	0.05	0.085	0.291	0.05	0.05	0.6	0.7
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	21	0.5	0.412	0.6	0.05	0.046	0.216	0.05	0.225	0.6	0.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	21 ##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.005
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	21 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	21 ##	0.5	0.786	3.	0.5	0.389	0.624	0.5	0.5	1.	1.8
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	21	16.	14.048	31.	0.25	75.81	8.707	0.25	8.	18.	26.6
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	21	3.	3.357	9.	0.5	5.229	2.287	0.5	1.25	4.	7.4
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	21	2.	1.524	2.	0.5	0.412	0.642	0.5	1.	2.	2.
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	21	2.	1.69	2.	0.5	0.262	0.512	1.	1.	2.	2.
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	21 ##	0.5	0.714	2.	0.5	0.214	0.463	0.5	0.5	0.75	1.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	21 ##	1.	1.333	3.	1.	0.333	0.577	1.	1.	2.	2.
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	21	15.	14.381	23.	9.	29.648	5.445	9.	9.	20.	20.
01007	BARIUM, TOTAL (UG/L AS BA)	05/05/81-08/16/89	20	6.	9.35	23.	0.5	57.661	7.593	0.5	3.	17.	19.8

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Annual Analysis for 1983 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/05/81-08/16/89	21 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	21 ##	50.	176.19	1000.	50.	67404.762	259.624	50.	50.	150.	720.
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	21 ##	50.	52.381	100.	50.	119.048	10.911	50.	50.	50.	50.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	21	10.	33.333	300.	5.	4510.833	67.163	5.	5.	30.	112.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	21 ##	5.	25.476	280.	5.	4064.762	63.755	5.	5.	5.	104.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	21 ##	25.	169.762	3040.	25.	432538.69	657.677	25.	25.	25.	45.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	21 ##	25.	133.333	2060.	25.	195843.333	442.542	25.	25.	37.5	142.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/05/81-08/16/89	21 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	21	80.	122.857	370.	25.	11526.429	107.361	25.	65.	170.	354.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/04/76-09/01/83	21	60.	61.667	280.	25.	2885.833	53.72	25.	25.	70.	70.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	14	1.165	1.296	4.53	0.5	1.214	1.102	0.5	0.5	1.595	3.47
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	12 ##	0.5	0.643	1.6	0.5	0.123	0.35	0.5	0.5	0.5	1.456
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	13	1.	1.57	6.58	0.5	2.887	1.699	0.5	0.5	2.055	5.088
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	13	1.2	1.254	1.5	1.	0.034	0.185	1.04	1.1	1.45	1.5
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	18	64.5	64.833	70.	59.	12.618	3.552	59.9	61.	68.	69.1

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Annual Analysis for 1984 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	297	16.	16.881	27.4	8.1	27.633	5.257	11.2	11.9	21.3	25.02
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	294	6.9	6.733	10.6	3.1	2.066	1.437	4.9	5.5	7.7	8.4
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	294	6.2	6.233	7.4	5.5	0.17	0.412	5.75	5.9	6.6	6.8
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	294	6.2	6.074	7.4	5.5	0.195	0.442	5.75	5.9	6.6	6.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	294	0.631	0.844	3.162	0.04	0.402	0.634	0.158	0.251	1.259	1.79

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Annual Analysis for 1985 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	98	20.05	17.907	24.7	6.7	30.411	5.515	8.38	13.85	22.7	23.91
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	98	64.3	58.342	73.1	2.3	200.707	14.167	40.67	56.475	65.45	69.51
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	65	49.	52.077	89.	13.	407.728	20.192	21.2	40.	71.5	77.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	98	5.8	5.381	10.2	0.	10.097	3.178	0.79	2.6	8.425	9.31
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	98	7.1	6.888	8.2	5.	0.519	0.72	5.69	6.5	7.3	7.61
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	98	7.1	6.131	8.2	5.	1.098	1.048	5.69	6.5	7.3	7.61
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	98	0.079	0.74	10.	0.006	3.674	1.917	0.025	0.05	0.316	2.047
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	98	8.	8.969	25.	6.	10.154	3.186	7.	7.	9.	15.

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Annual Analysis for 1986 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	29	16.5	16.917	26.	4.8	31.868	5.645	5.7	15.35	20.75	25.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	29	27.	27.	27.	27.	0.	0.	27.	27.	27.	27.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	27	49.8	46.848	82.5	7.2	809.044	28.444	9.58	18.1	78.	81.88
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	29	62.	59.414	72.	43.	78.894	8.882	44.	54.	67.	69.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	29	7.4	7.266	8.5	3.8	1.252	1.119	5.5	6.65	8.15	8.3

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Annual Analysis for 1986 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	29	6.1	6.131	6.7	5.8	0.064	0.252	5.9	5.9	6.25	6.6
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	29	6.1	6.072	6.7	5.8	0.067	0.259	5.9	5.9	6.25	6.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	29	0.794	0.848	1.585	0.2	0.151	0.389	0.251	0.566	1.259	1.259
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	29	15.	15.931	30.	6.	53.281	7.299	6.	10.	22.5	25.

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Annual Analysis for 1987 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	52	15.5	16.138	27.9	6.9	48.653	6.975	8.43	9.525	21.85	27.44
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	52	71.65	65.812	98.	0.8	569.836	23.871	41.3	46.5	85.925	90.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	52	57.	60.154	80.	47.	71.976	8.484	51.	53.	66.	70.7
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	52	7.8	7.196	10.2	0.9	4.999	2.236	3.73	5.525	8.9	9.2
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	52	5.9	6.125	7.4	5.6	0.294	0.542	5.6	5.7	6.475	7.2
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	52	5.9	5.913	7.4	5.6	0.34	0.583	5.6	5.7	6.475	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	52	1.259	1.222	2.512	0.04	0.75	0.866	0.063	0.337	1.995	2.512
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	5	17.	20.2	31.	15.	43.7	6.611	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	11 ##	0.05	0.168	1.1	0.05	0.101	0.318	0.05	0.05	0.05	0.94
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	11	0.5	0.527	0.8	0.3	0.018	0.135	0.32	0.4	0.6	0.76
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	11 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	11	1.	0.909	1.	0.5	0.041	0.202	0.5	1.	1.	1.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	11	21.	20.727	27.	18.	6.218	2.494	18.	18.	21.	25.8
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	11	5.	4.818	6.	4.	0.364	0.603	4.	4.	5.	5.8
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	11	2.	2.091	3.	2.	0.091	0.302	2.	2.	2.	2.8
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	11	1.	1.5	3.	0.5	0.55	0.742	0.6	1.	2.	2.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	11 ##	1.	1.727	5.	1.	2.618	1.618	1.	1.	1.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	11	8.	7.409	10.	2.5	3.741	1.934	3.2	7.	8.	9.8
01007	BARIUM, TOTAL (UG/L AS BA)	05/05/81-08/16/89	11	10.	15.	30.	5.	125.	11.18	5.	5.	30.	30.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/05/81-08/16/89	11 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	11 ##	50.	127.273	300.	50.	10681.818	103.353	50.	50.	200.	300.
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	11	30.	68.182	230.	5.	6251.364	79.066	5.	10.	100.	224.
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	11 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	11	130.	150.455	370.	25.	13967.273	118.183	25.	25.	270.	354.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	3	1.63	1.26	1.65	0.5	0.433	0.658	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	3	1.2	1.017	1.35	0.5	0.206	0.454	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	3	1.5	1.533	1.6	1.5	0.003	0.058	**	**	**	**

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

Annual Analysis for 1989 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	77	17.4	18.325	25.5	11.1	12.18	3.49	15.24	16.25	20.	24.62
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	73	11.	16.051	75.	0.4	276.222	16.62	1.	2.	22.5	41.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	52	57.	49.077	81.	0.	719.798	26.829	8.3	16.5	72.	79.
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	77	239.	240.143	291.	181.	860.335	29.331	192.	223.5	263.5	281.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	77	99.	98.052	122.	77.	86.418	9.296	83.	92.	104.5	108.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	78	7.7	7.21	12.	2.5	2.003	1.415	5.3	6.2	8.2	8.7
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	77	6.3	6.392	7.5	5.7	0.22	0.47	5.88	6.	6.7	7.3
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	77	6.3	6.202	7.5	5.7	0.257	0.507	5.88	6.	6.7	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	77	0.501	0.628	1.995	0.032	0.267	0.517	0.05	0.2	1.	1.324
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	15	20.	21.333	25.	15.	8.81	2.968	18.	20.	25.	25.

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Annual Analysis for 1989 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	15	39.	40.533	62.	15.	176.695	13.293	17.4	34.	51.	60.2
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/81-08/25/93	15	23.	25.	48.	5.	133.714	11.563	9.2	17.	34.	43.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	10 ##	5.	12.2	45.	5.	182.622	13.514	5.	5.	18.5	43.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	15 ##	0.05	0.053	0.1	0.05	0.	0.013	0.05	0.05	0.05	0.07
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	15	0.1	0.137	0.2	0.05	0.004	0.064	0.05	0.1	0.2	0.2
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	14	0.3	0.343	0.6	0.2	0.012	0.109	0.2	0.3	0.4	0.55
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	15 ##	0.005	0.014	0.055	0.005	0.	0.017	0.005	0.005	0.015	0.054
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	15	1.	1.733	4.	1.	0.924	0.961	1.	1.	2.	3.4
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	15	26.	25.333	28.	22.	3.81	1.952	22.6	23.	27.	27.4
00916p	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	15	5.9	5.84	6.3	5.1	0.187	0.432	5.16	5.4	6.2	6.3
00927p	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	15	2.7	2.627	2.9	2.2	0.049	0.222	2.26	2.4	2.8	2.84
00929p	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	15	2.8	2.787	3.4	2.1	0.148	0.385	2.16	2.5	3.1	3.28
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	15 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	15	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	15	12.	14.867	24.	8.	35.695	5.975	8.6	11.	23.	24.
01007	BARIUM, TOTAL (UG/L AS BA)	05/05/81-08/16/89	15	32.	32.533	41.	27.	10.124	3.182	28.8	31.	34.	37.4
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/05/81-08/16/89	15 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	15 ##	50.	102.6	264.	50.	6490.829	80.566	50.	50.	196.	238.2
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	15	32.	100.933	778.	5.	40155.638	200.389	5.	5.	94.	474.4
01092p	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	15 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/05/81-08/16/89	15 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	15	118.	128.467	320.	25.	7155.981	84.593	25.	58.	165.	265.4
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	7	1.78	2.246	3.57	1.09	1.106	1.052	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	6 ##	0.77	0.883	1.54	0.5	0.202	0.449	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	6	2.415	2.273	3.48	0.5	1.586	1.259	**	**	**	**
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	6	1.2	1.217	1.3	1.2	0.002	0.041	**	**	**	**
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	52	60.	75.577	400.	50.	2934.955	54.175	60.	60.	70.	80.

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Annual Analysis for 1993 - Station GARI0050

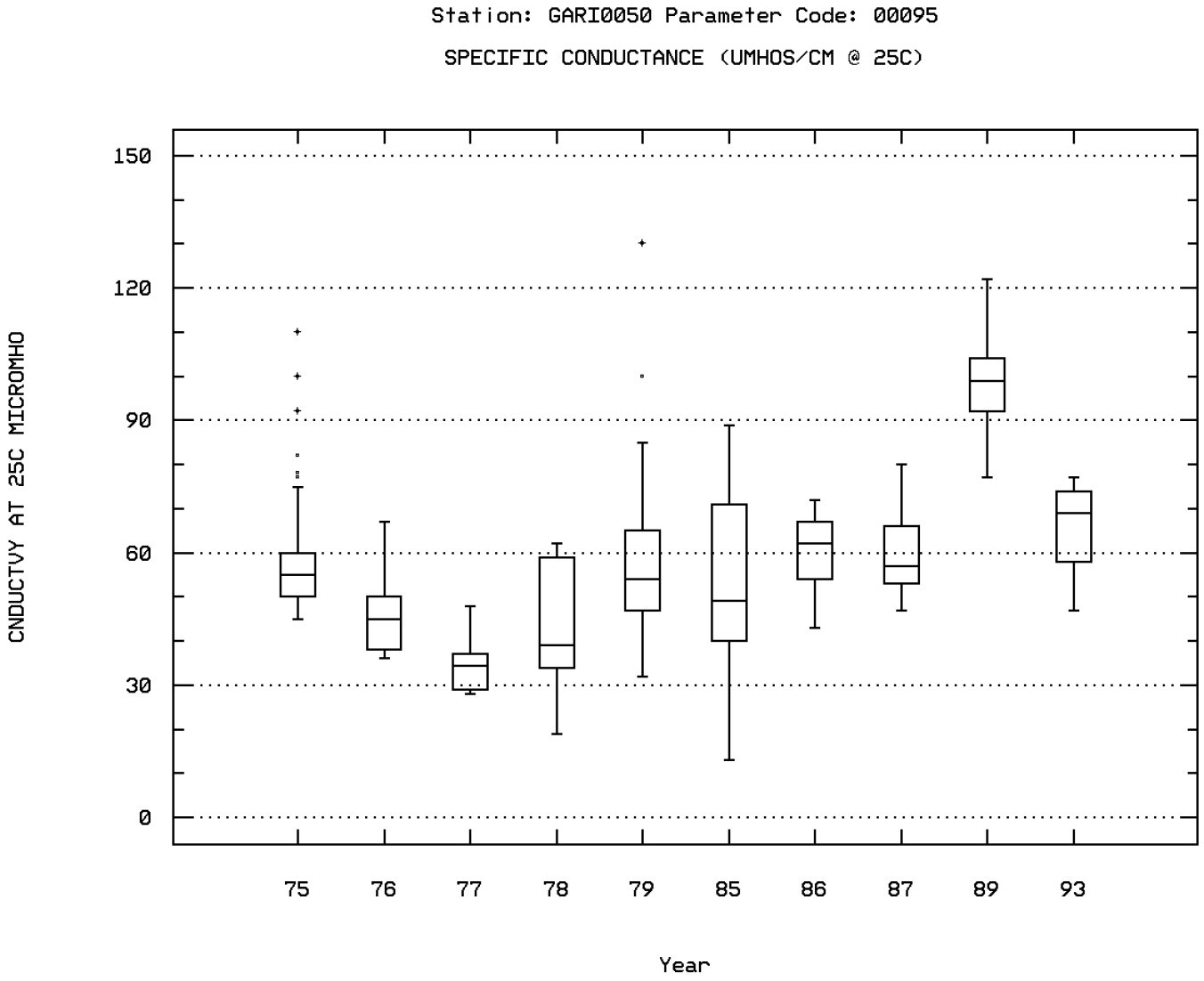
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	27	15.3	17.826	27.7	12.4	32.2	5.674	12.6	13.2	25.2	26.74
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	27	69.	66.852	77.	47.	70.67	8.407	57.8	58.	74.	77.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	27	6.	5.885	8.4	1.8	3.644	1.909	3.24	4.7	7.9	8.22
00400p	PH (STANDARD UNITS)	04/25/75-08/25/93	27	5.2	5.456	7.2	5.	0.442	0.665	5.08	5.1	5.3	7.12
00400p	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	27	5.2	5.249	7.2	5.	0.486	0.697	5.08	5.1	5.3	7.12
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	27	6.31	5.637	10.	0.063	7.382	2.717	0.076	5.012	7.943	8.355
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	3	24.	24.	28.	20.	16.	4.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	5	75.	72.4	80.	63.	62.8	7.925	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/81-08/25/93	5	70.	71.	88.	60.	142.	11.916	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	5 ##	0.5	0.9	2.	0.5	0.425	0.652	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	5 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	5 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	5	0.3	0.314	0.44	0.2	0.013	0.113	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	5 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	5 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	5	1.6	1.5	1.6	1.2	0.03	0.173	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	5	2.	2.	2.	2.	0.	0.	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	5	17.	16.4	18.	14.	3.3	1.817	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	5	25.	40.6	105.	10.	1509.3	38.85	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	5	6.	14.4	36.	3.	222.3	14.91	**	**	**	**
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	3	1.61	2.31	3.95	1.37	2.032	1.425	**	**	**	**
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	3	1.4	2.003	3.54	1.07	1.798	1.341	**	**	**	**
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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Annual Analysis for 1993 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	3	1.6	1.567	1.6	1.5	0.003	0.058	**	**	**	**

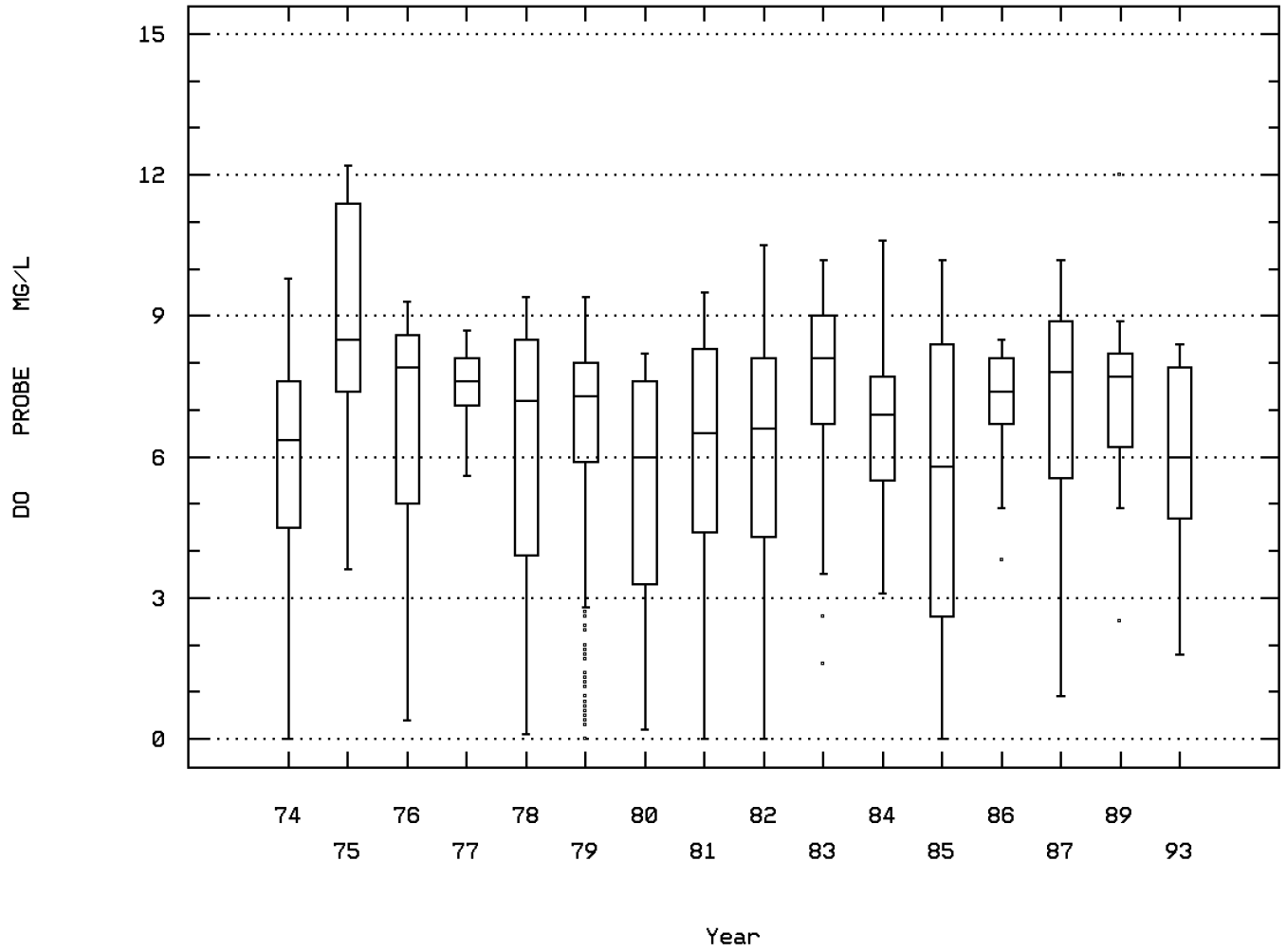
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00299

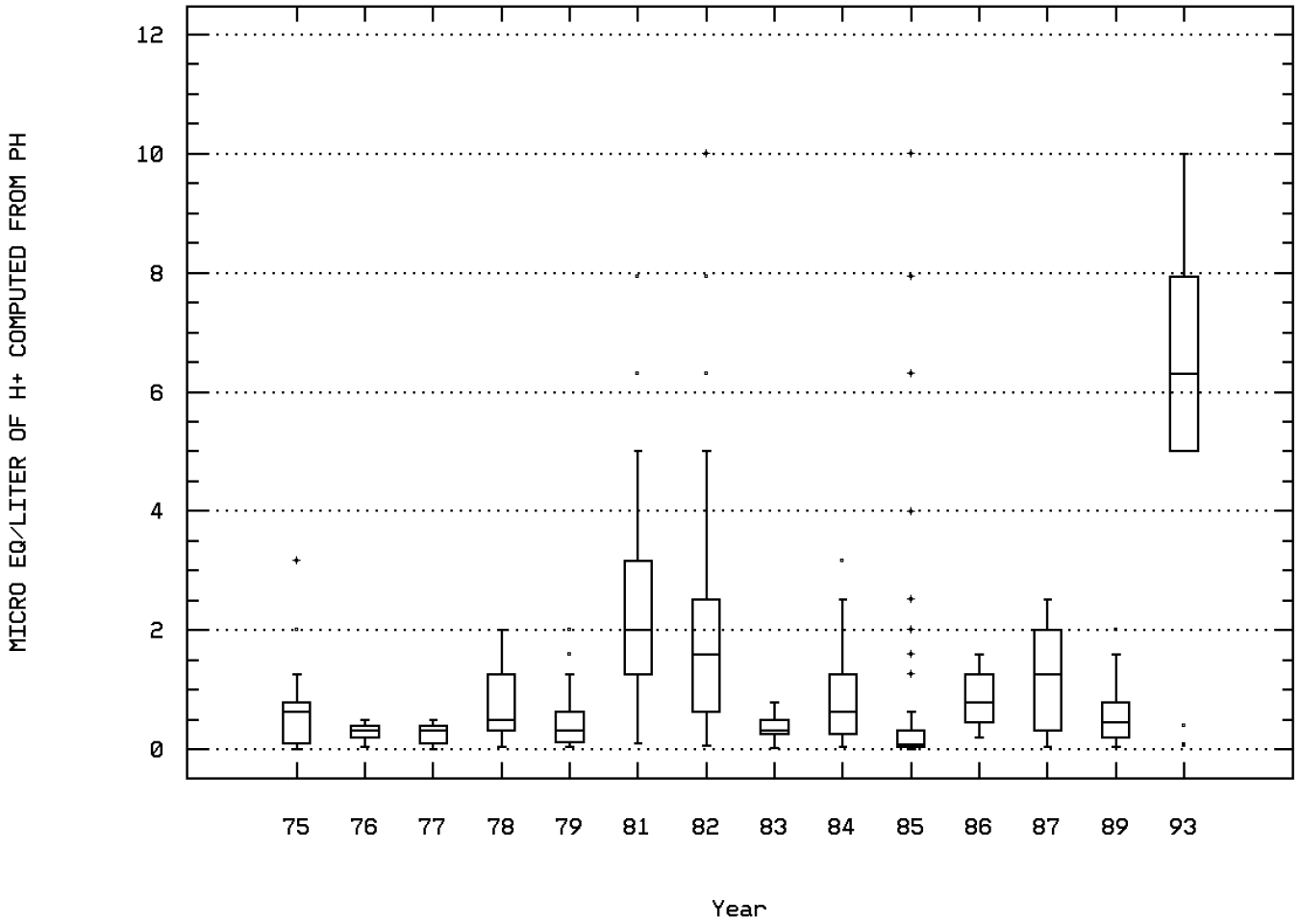
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00400

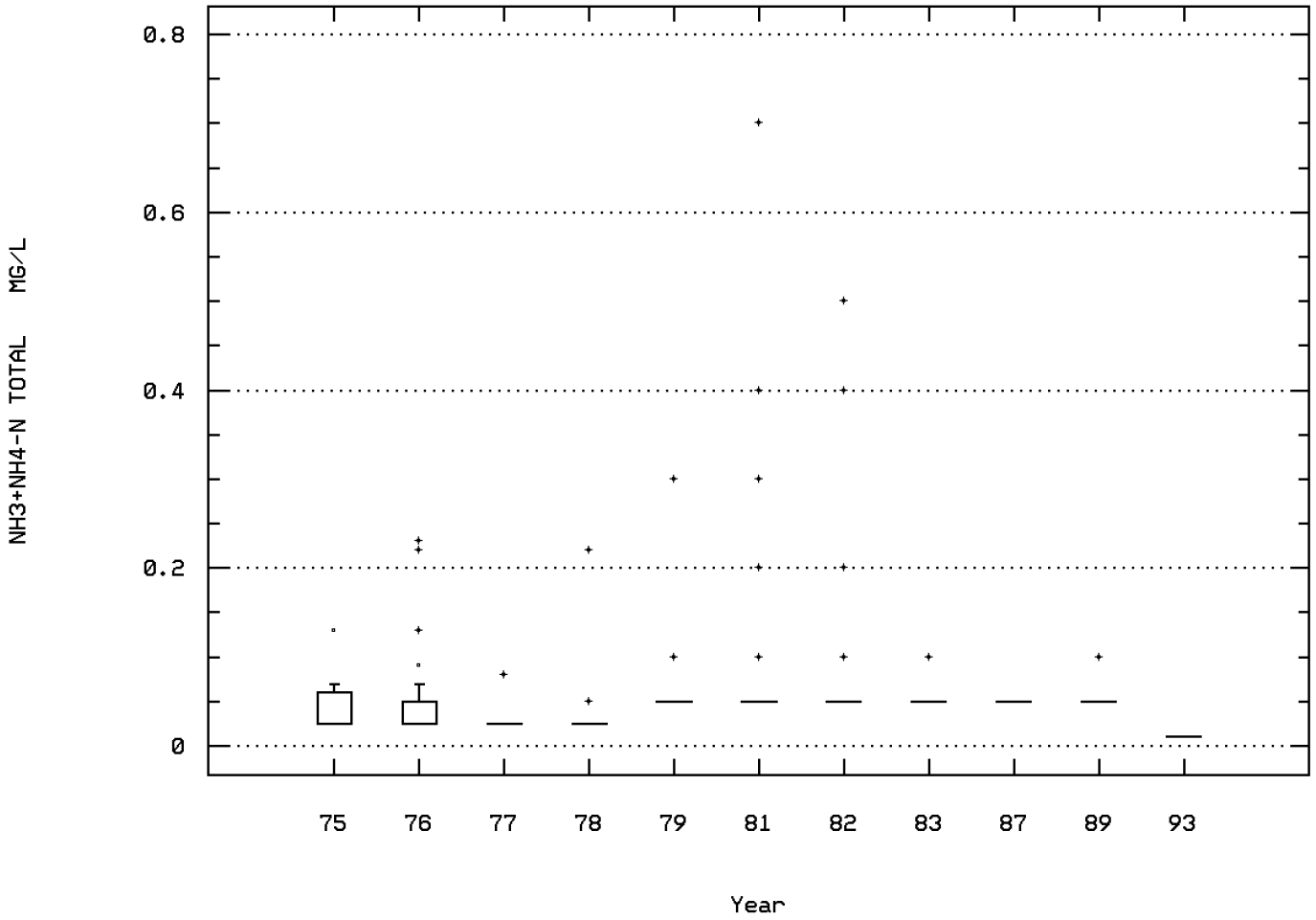
MICRO EQ/LITER OF H+ COMPUTED FROM PH



SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00610

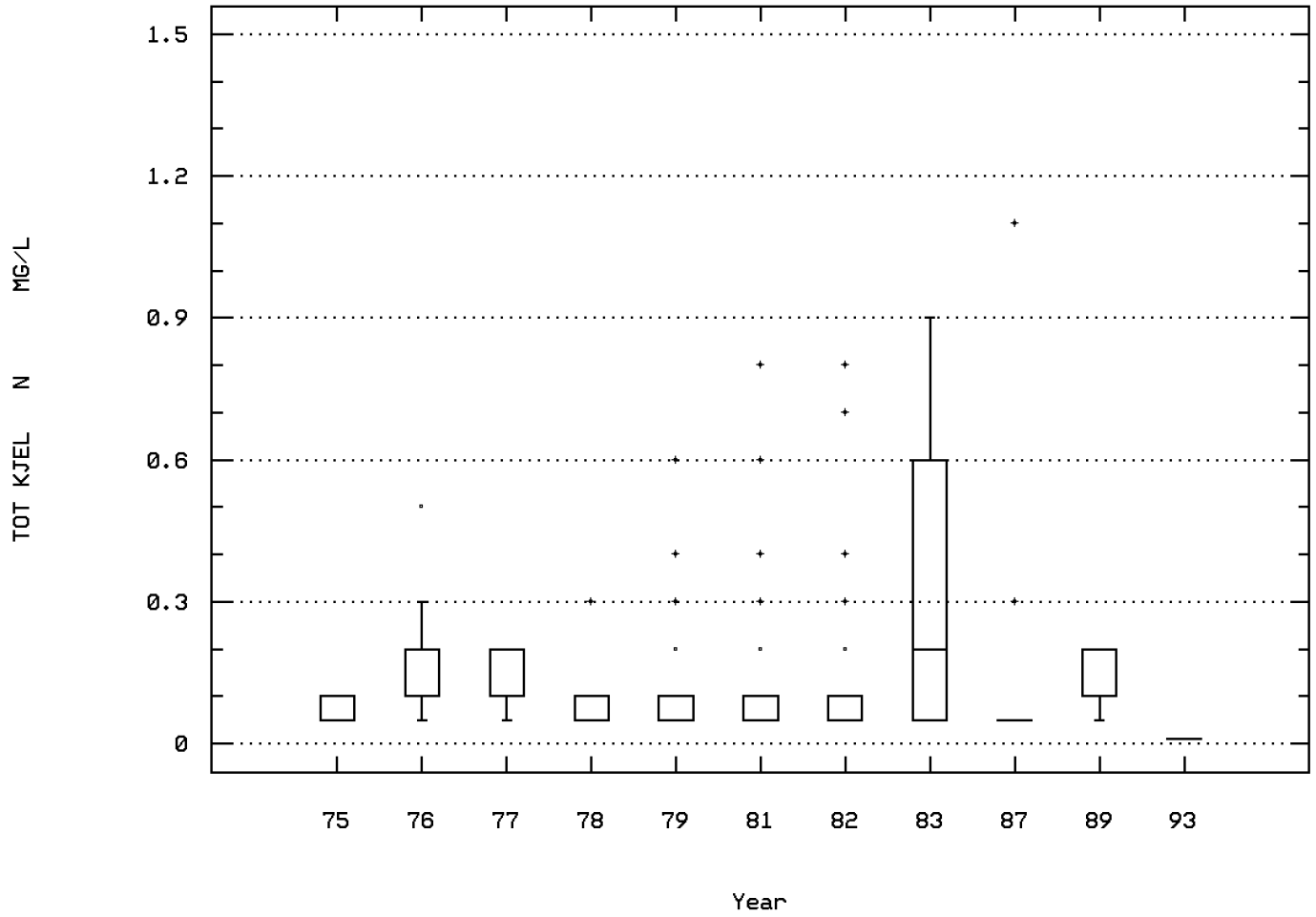
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



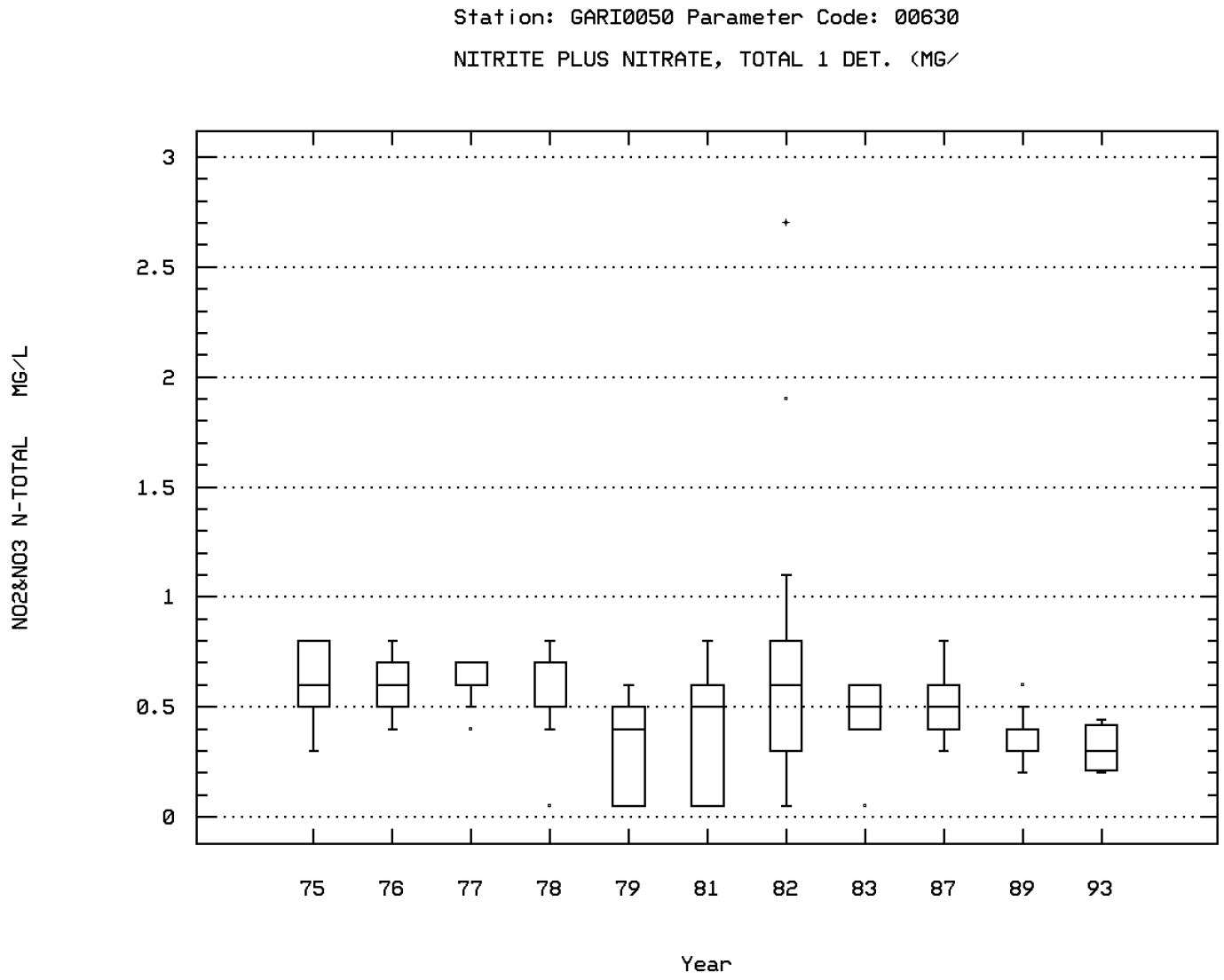
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00625

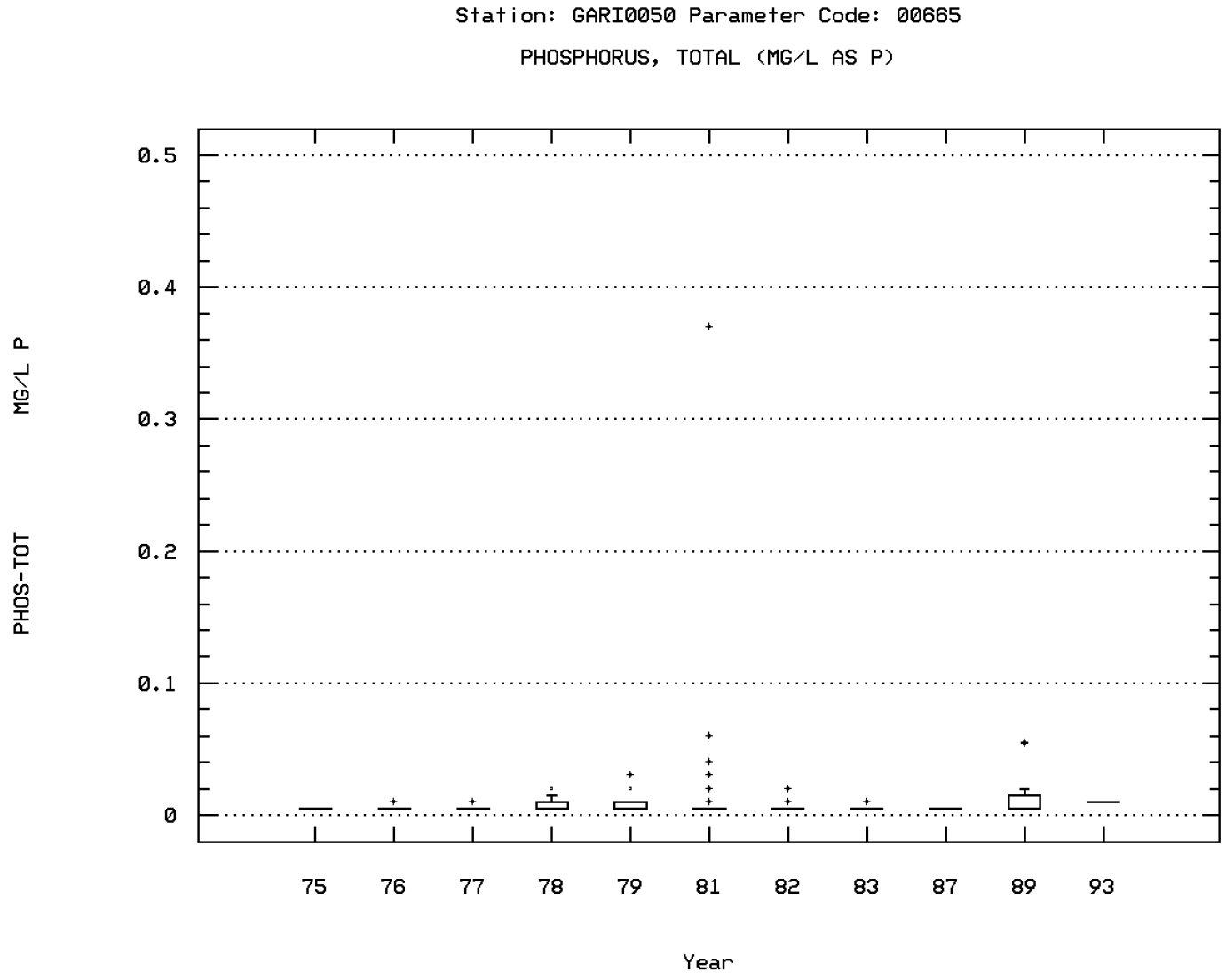
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



SUMMERSVILLE LAKE ON GAULEY R.



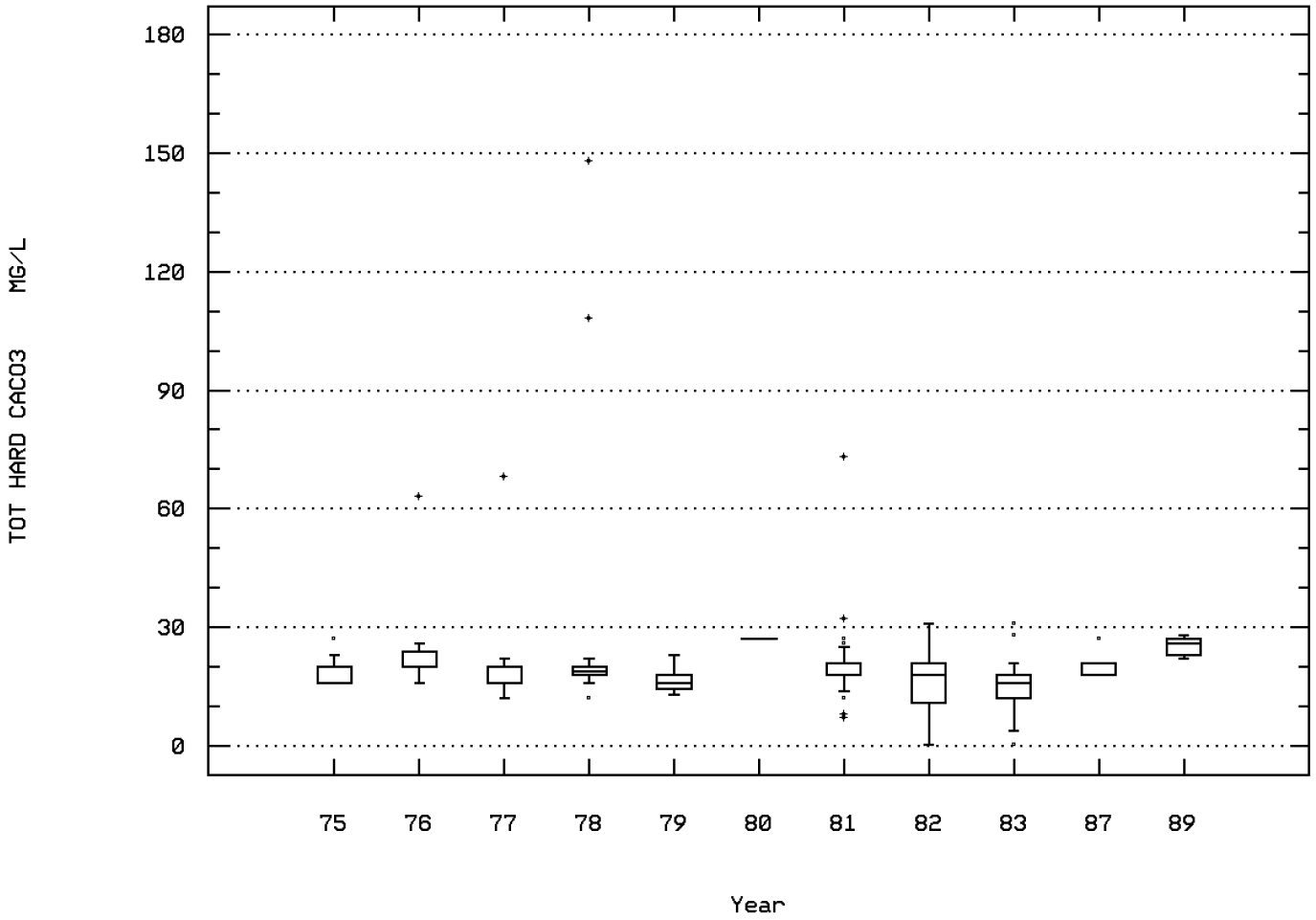
SUMMERSVILLE LAKE ON GAULEY R.



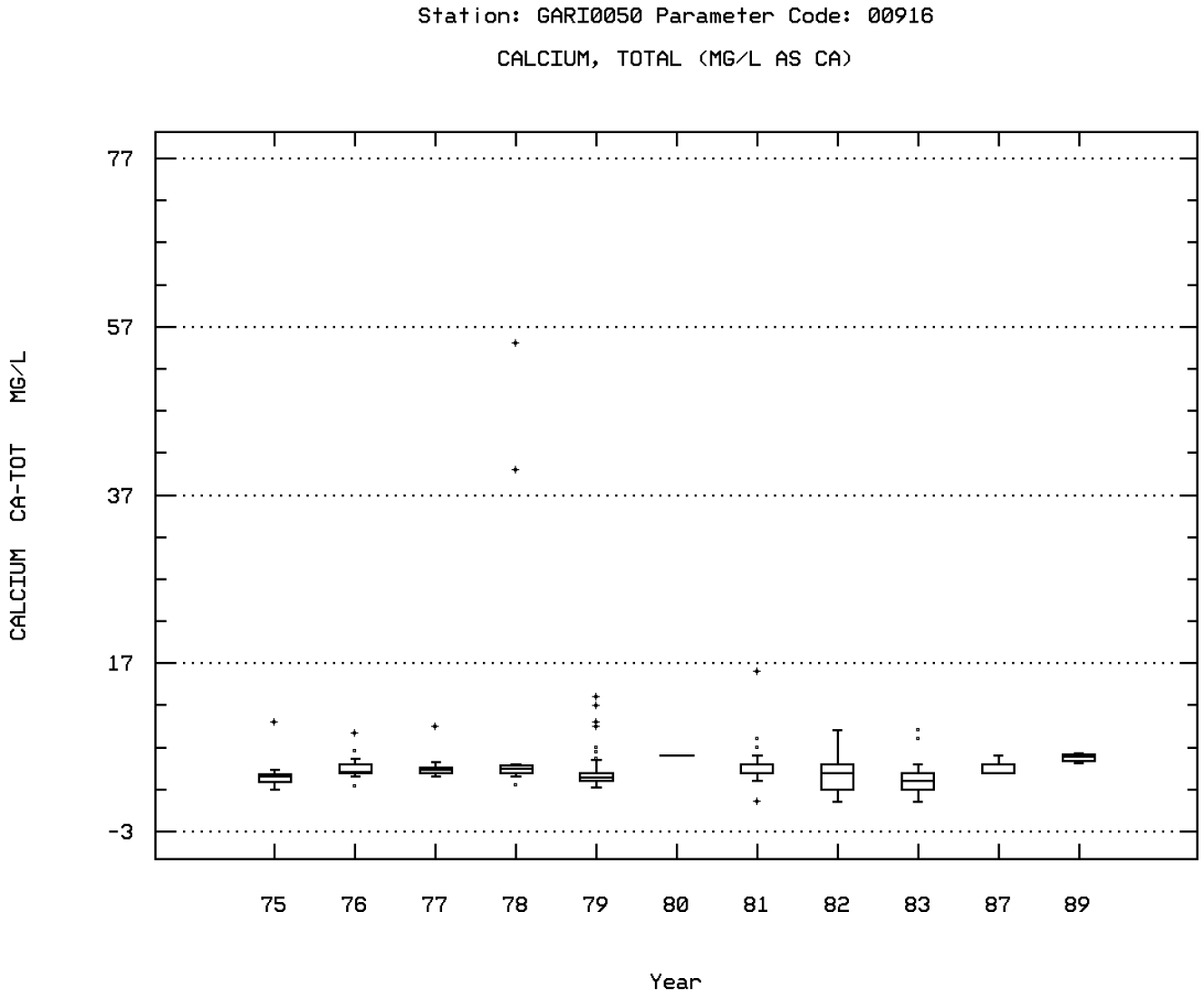
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00900

HARDNESS, TOTAL (MG/L AS CACO3)



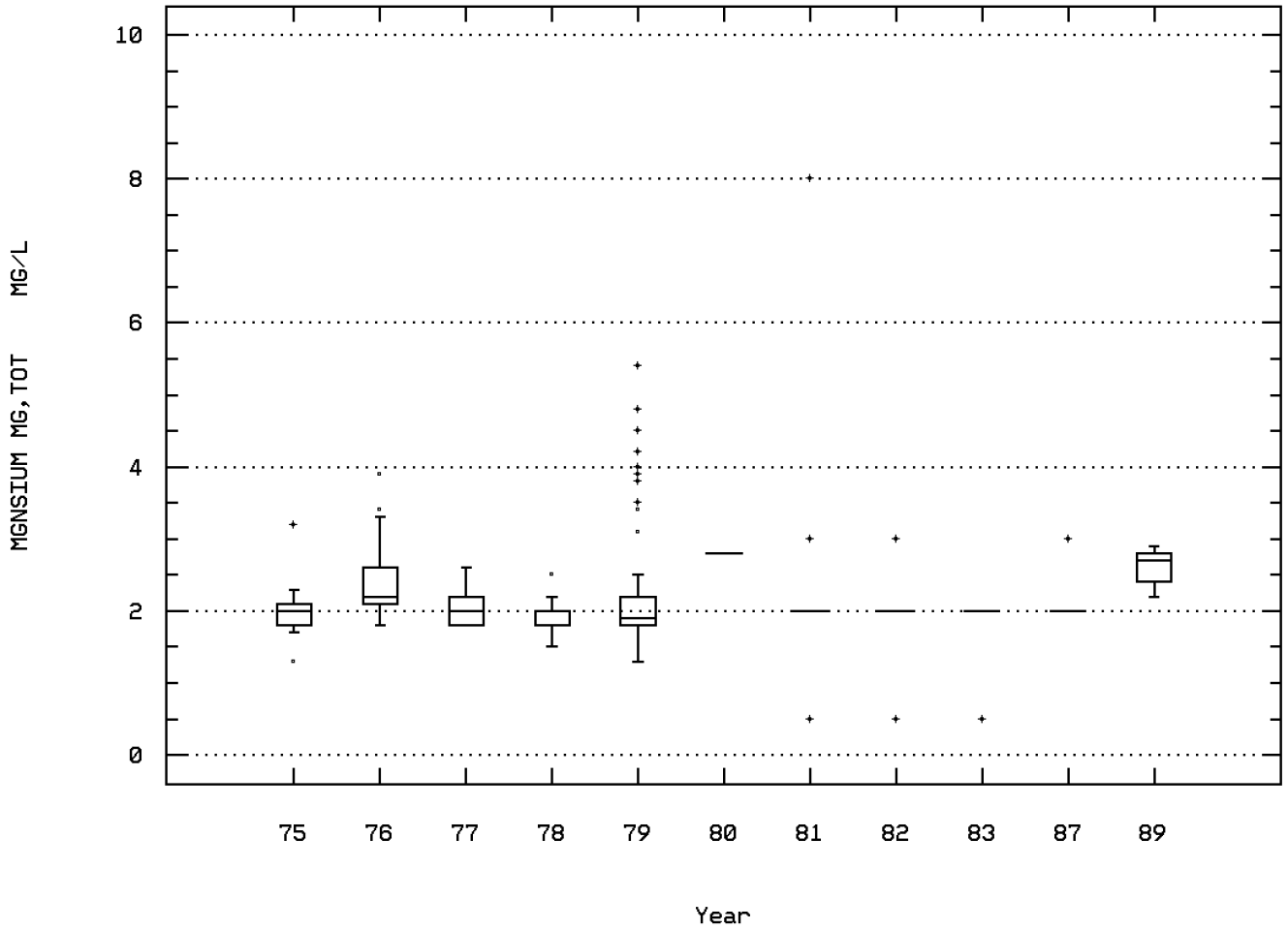
SUMMERSVILLE LAKE ON GAULEY R.



SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00927

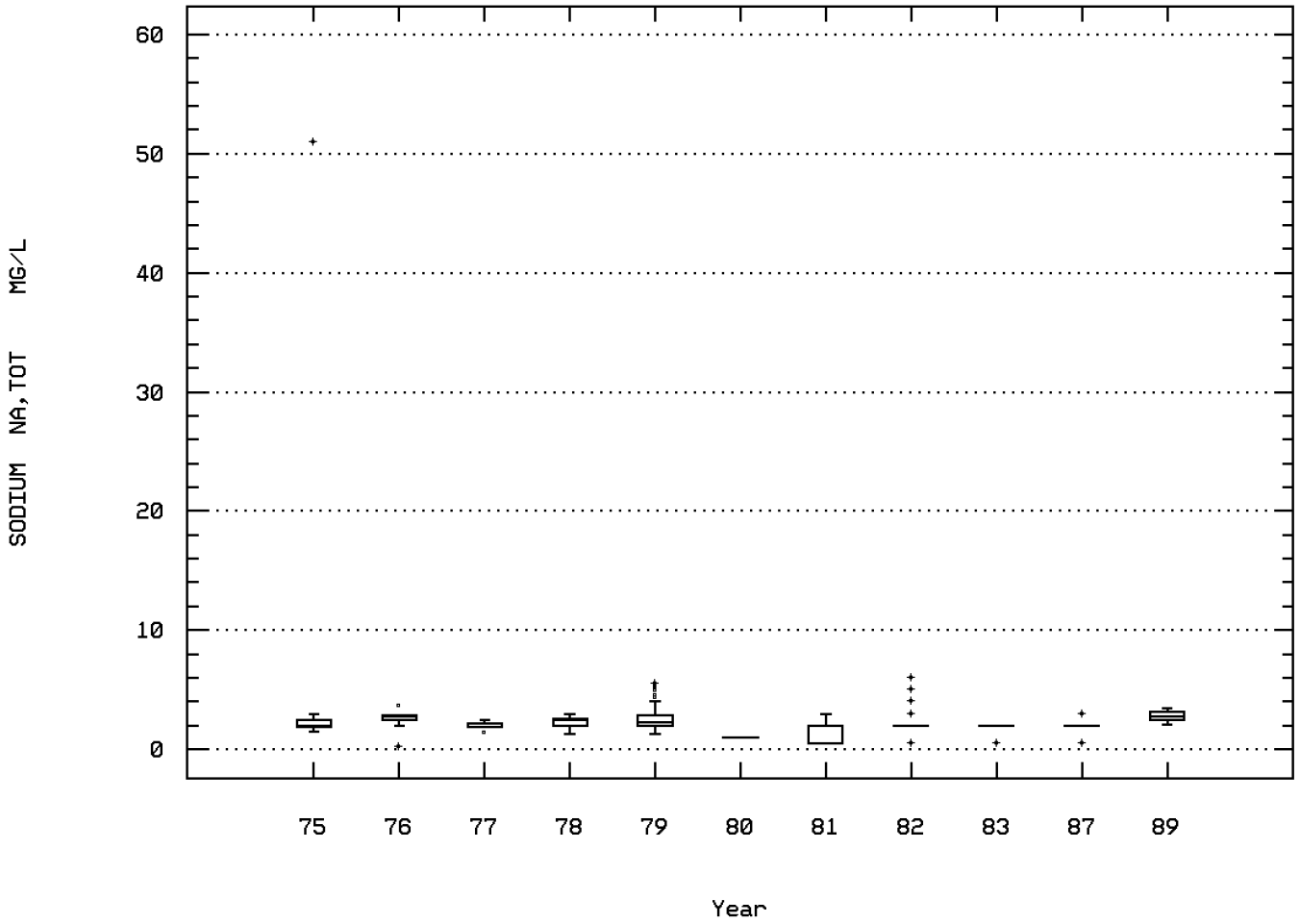
MAGNESIUM, TOTAL (MG/L AS MG)



SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00929

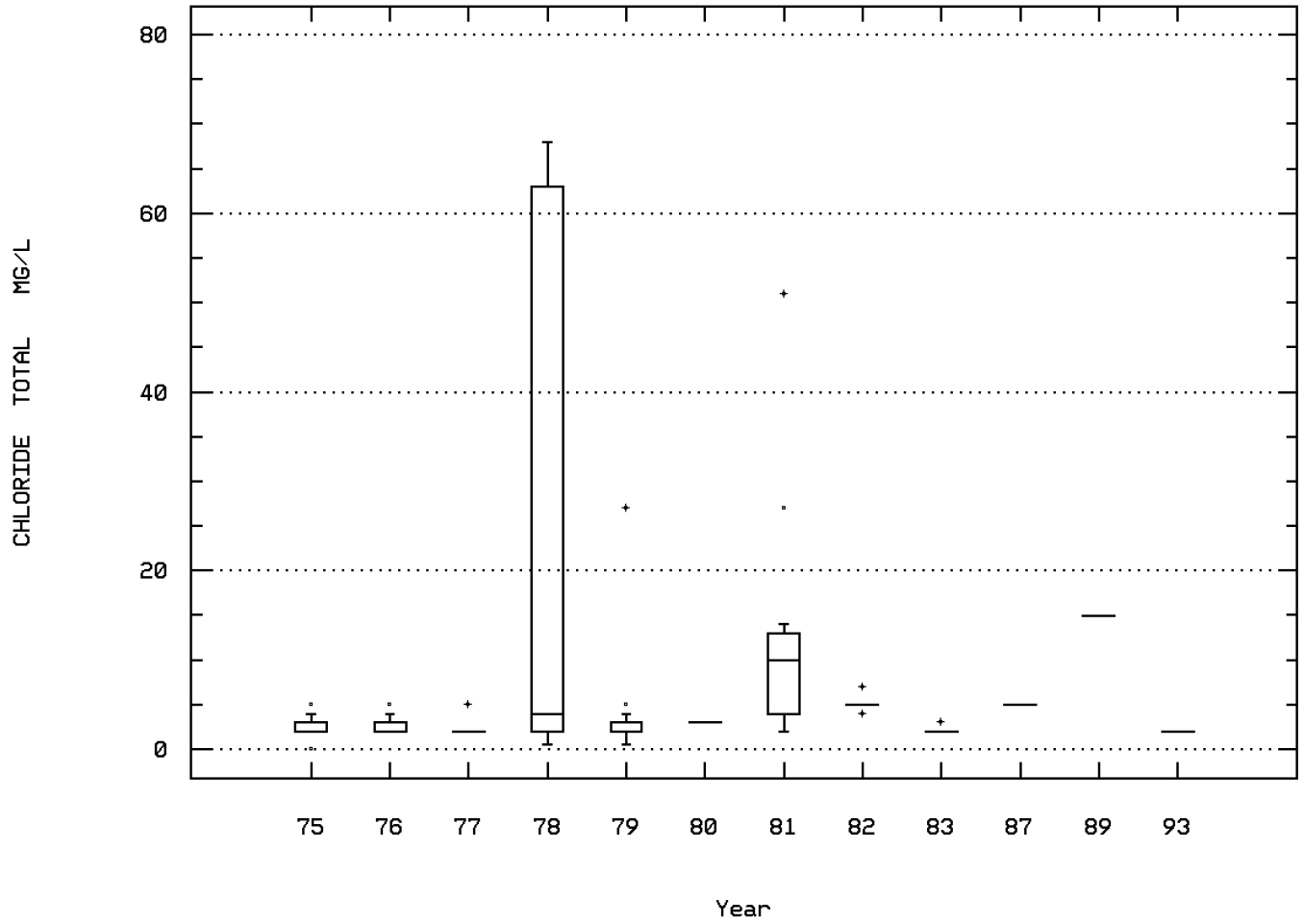
SODIUM, TOTAL (MG/L AS NA)



SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00940

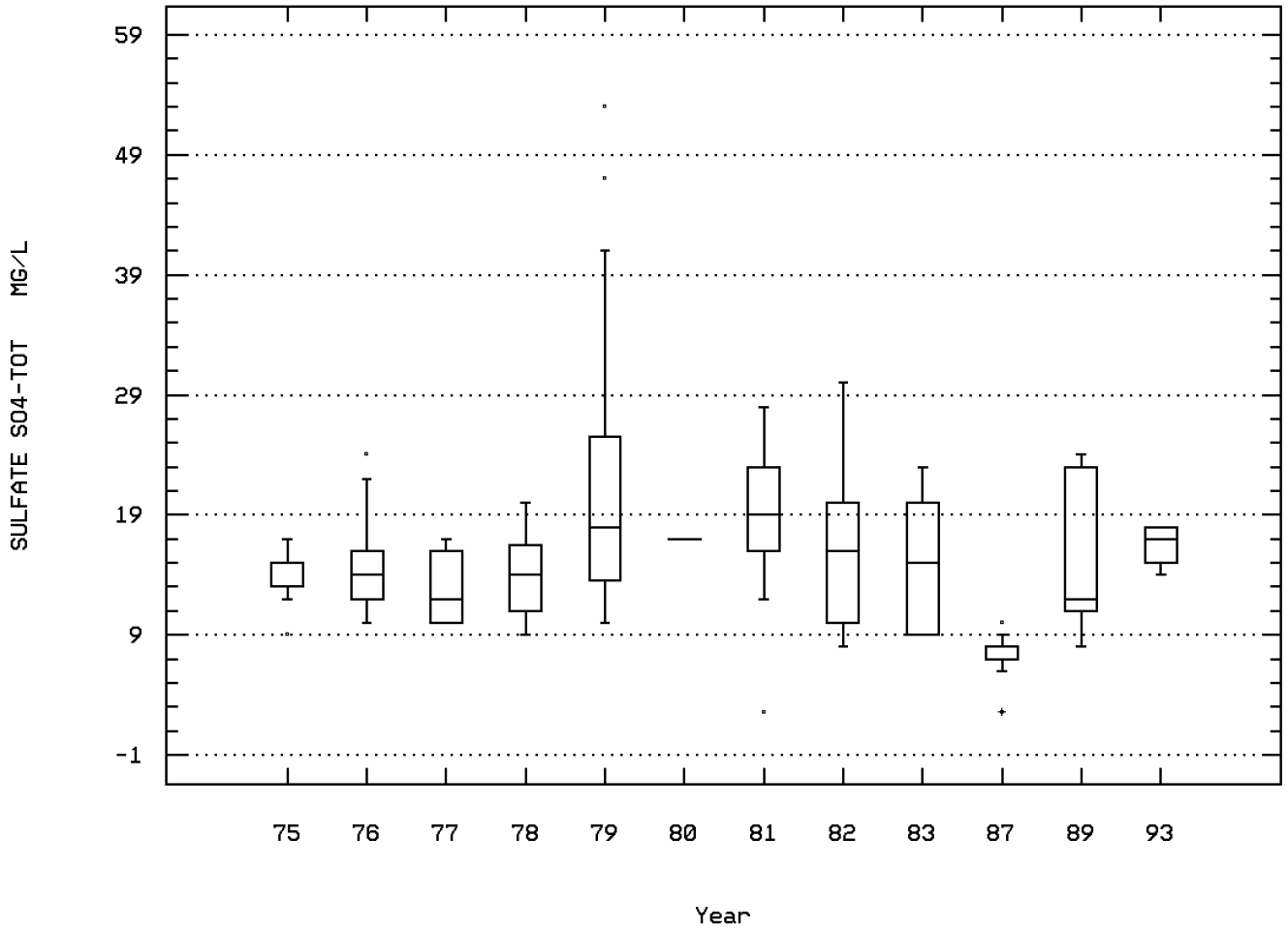
CHLORIDE,TOTAL IN WATER



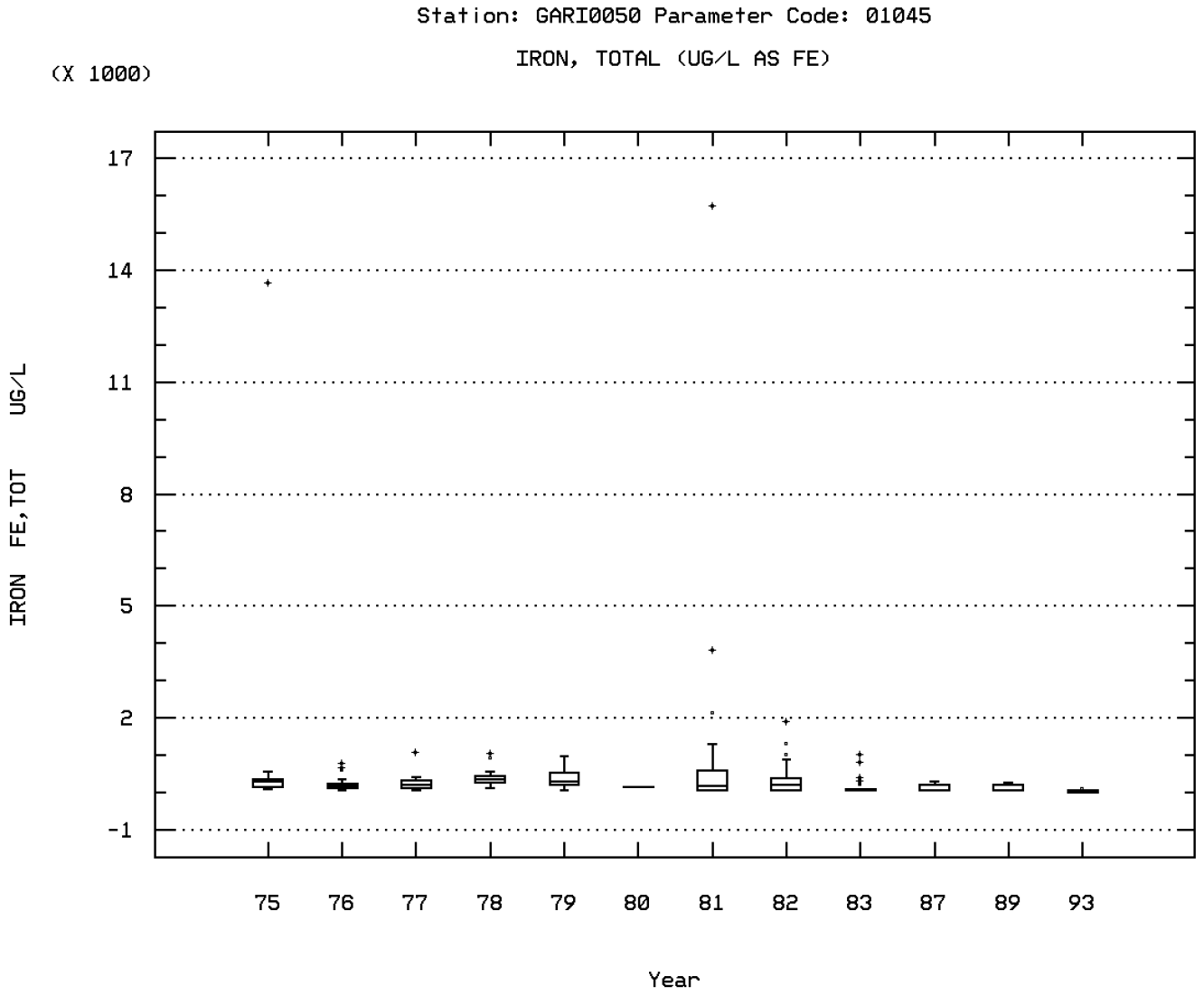
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 00945

SULFATE, TOTAL (MG/L AS SO4)



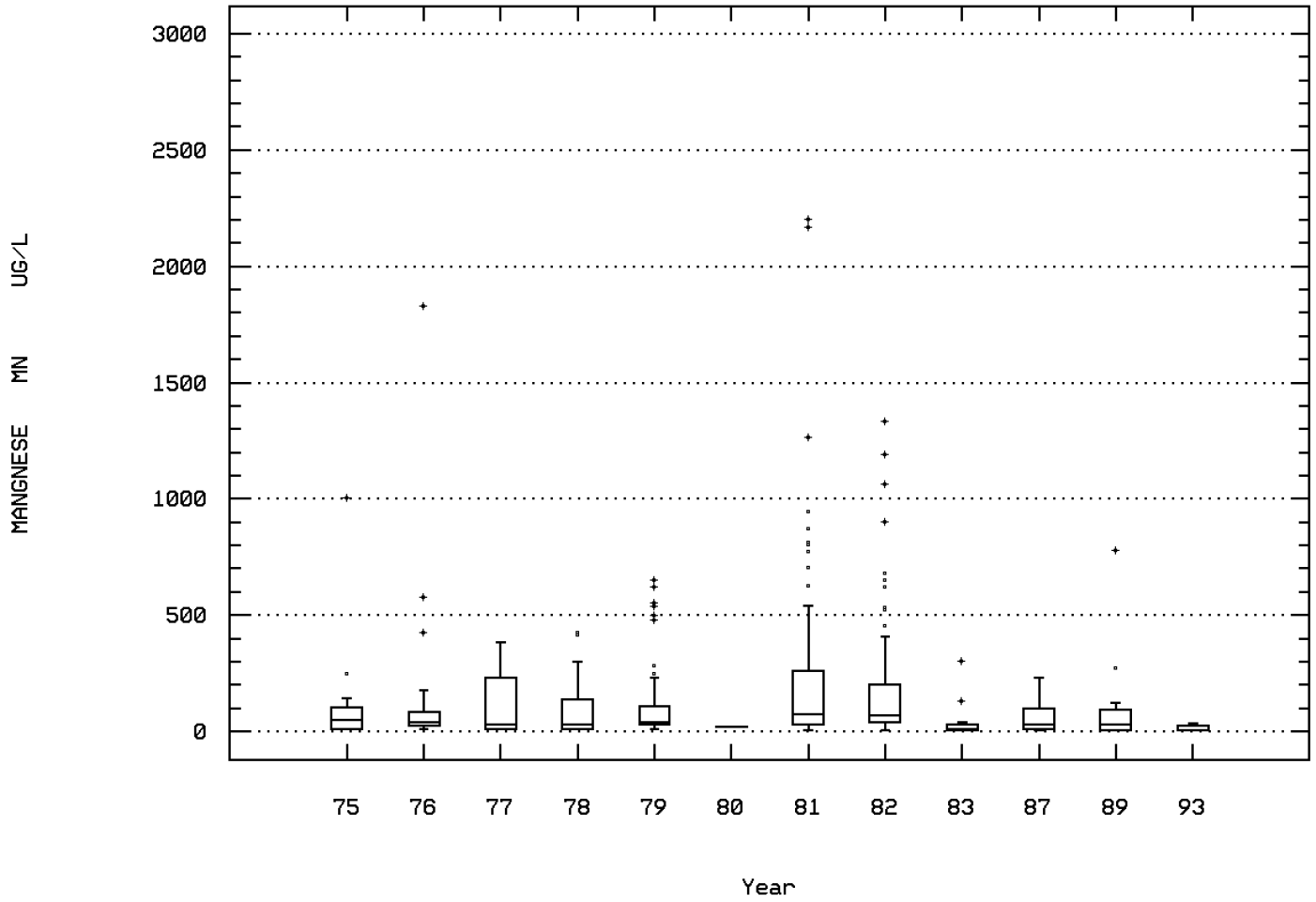
SUMMERSVILLE LAKE ON GAULEY R.



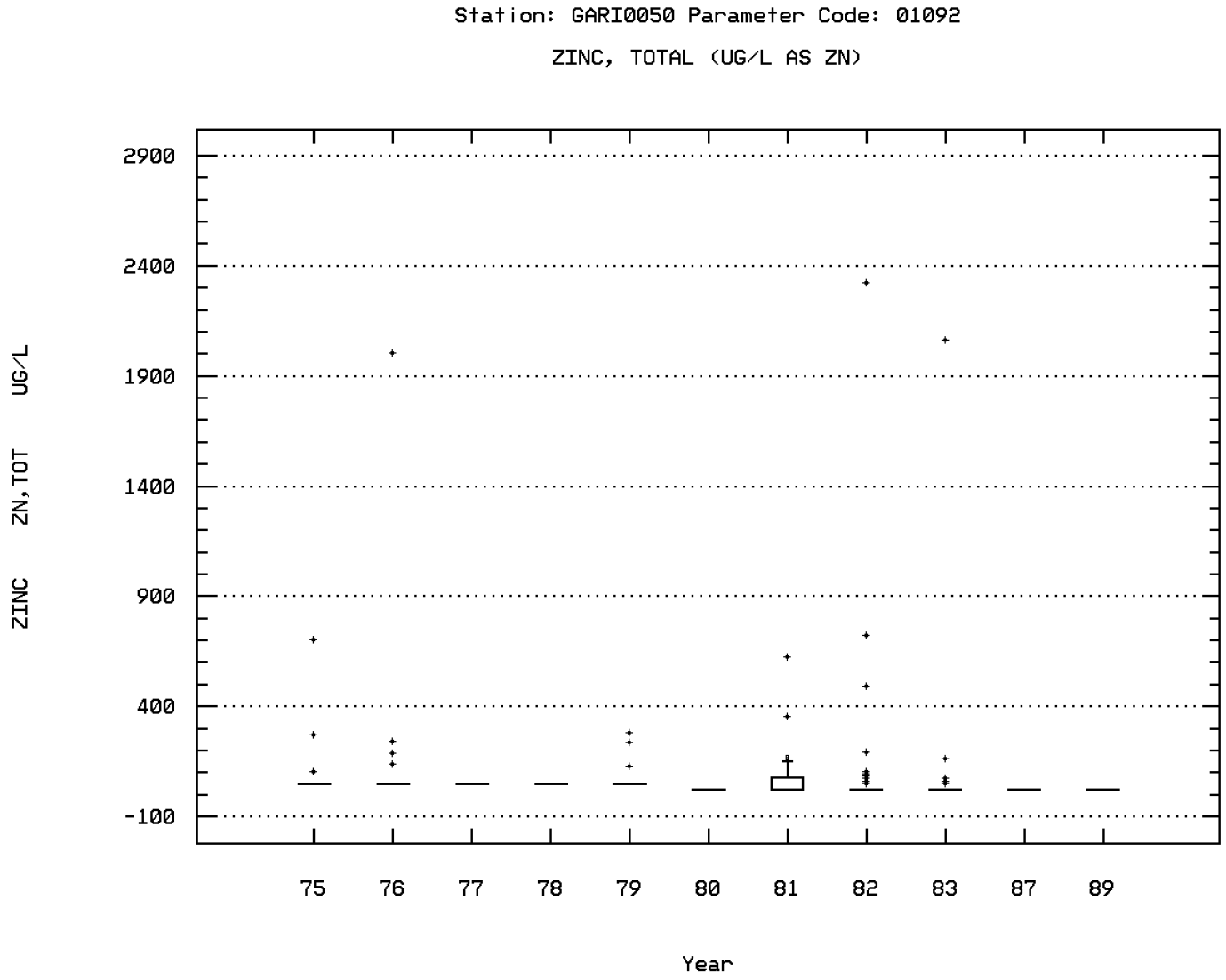
SUMMERSVILLE LAKE ON GAULEY R.

Station: GARI0050 Parameter Code: 01055

MANGANESE, TOTAL (UG/L AS MN)



SUMMERSVILLE LAKE ON GAULEY R.



SUMMERSVILLE LAKE ON GAULEY R.

Seasonal Analysis for Season #1: 10/01 to 4/14 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	343	17.5	15.33	20.8	5.	26.399	5.138	5.4	14.	18.7	20.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	8	6.	9.	19.	5.	24.286	4.928	**	**	**	**
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	87	91.	80.255	100.	2.3	419.876	20.491	57.38	64.9	94.	99.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/28/76-08/25/93	1	162.	162.	162.	162.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	160	450.	442.875	500.	325.	981.871	31.335	410.	425.	455.	475.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	246	47.	50.825	130.	32.	205.271	14.327	35.7	40.	60.	71.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	271	7.6	6.383	9.6	0.	7.886	2.808	0.92	5.8	8.	9.1
00400	PH (STANDARD UNITS)	04/25/75-08/25/93	192	6.7	6.683	7.3	5.	0.219	0.468	6.2	6.5	7.	7.2
00400	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	192	6.7	6.28	7.3	5.	0.382	0.618	6.2	6.5	7.	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	192	0.2	0.525	10.	0.05	1.922	1.386	0.063	0.1	0.316	0.631
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	13 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	13 ##	0.05	0.069	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	13	0.5	0.492	0.6	0.4	0.002	0.049	0.4	0.5	0.5	0.56
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	13 ##	0.005	0.008	0.03	0.005	0.	0.008	0.005	0.005	0.005	0.026
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	13 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	13	17.	17.231	23.	14.	7.526	2.743	14.	14.5	19.	21.8
00916	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	13	4.	3.615	5.	3.	0.423	0.65	3.	3.	4.	4.6
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	13	2.	2.015	2.5	1.6	0.083	0.288	1.64	1.75	2.25	2.46
00929	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	13	2.6	2.777	3.9	2.	0.349	0.59	2.08	2.3	3.2	3.82
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	13	1.1	1.069	1.2	1.	0.004	0.063	1.	1.	1.1	1.16
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	13	2.	1.615	2.	1.	0.256	0.506	1.	1.	2.	2.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	13	16.	15.462	18.	10.	5.436	2.332	10.8	14.5	17.	18.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	13	300.	330.769	800.	200.	25641.026	160.128	200.	250.	300.	680.
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	13 ##	50.	57.692	100.	50.	352.564	18.777	50.	50.	50.	100.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	13	40.	43.077	130.	30.	723.077	26.89	30.	30.	40.	98.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	13	30.	38.462	130.	20.	814.103	28.532	20.	25.	40.	94.
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	32	8.	8.125	25.	6.	10.565	3.25	6.	7.	8.	9.

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

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/74-08/25/93	2569	16.1	15.829	29.5	3.1	32.723	5.72	7.5	11.4	20.	23.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/16/74-08/25/93	119	26.	24.16	34.	7.	24.152	4.914	19.	20.	27.	30.
00031	LIGHT,INCIDENT, PERCENT REMAING AT CERTAIN DEPTH	07/16/74-08/16/89	313	21.	25.198	100.	0.	571.402	23.904	0.5	4.	37.5	57.
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	07/16/74-07/19/89	1329	72.	69.506	100.	0.	413.258	20.329	45.	62.	83.	90.
00077	TRANSPARENCY, SECCHI DISC (INCHES)	09/28/76-08/25/93	26	162.	144.192	324.	18.	8486.162	92.12	21.	38.25	207.	265.2
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/04/76-08/16/89	1674	330.	320.09	491.	-84.	10903.231	104.419	163.5	232.	412.	450.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/25/93	898	55.	56.751	122.	13.	330.201	18.171	37.	46.	65.	77.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/74-08/25/93	2535	7.2	6.746	12.2	0.	4.918	2.218	3.6	5.5	8.3	9.
00400	PH (STANDARD UNITS)	04/25/75-08/25/93	2163	6.2	6.256	8.9	5.	0.296	0.544	5.6	5.9	6.6	7.
00400	CONVERTED PH (STANDARD UNITS)	04/25/75-08/25/93	2163	6.2	5.965	8.9	5.	0.381	0.617	5.6	5.9	6.6	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/25/93	2163	0.631	1.084	10.	0.001	1.967	1.403	0.1	0.251	1.259	2.512
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/25/75-08/25/93	233	5.	6.972	31.	0.5	49.388	7.028	0.5	0.5	11.	18.2
00500	RESIDUE, TOTAL (MG/L)	04/25/75-08/25/93	241	52.	55.676	184.	5.	733.695	27.087	26.4	38.5	66.	84.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/05/81-08/25/93	178	36.	35.118	88.	5.	256.184	16.006	16.9	24.	44.	54.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/25/75-08/25/93	234	5.	14.741	124.	0.5	283.404	16.835	2.5	5.	22.	38.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/75-08/25/93	344 ##	0.05	0.059	0.7	0.01	0.004	0.062	0.025	0.05	0.05	0.095
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/75-08/25/93	345 ##	0.05	0.136	1.1	0.01	0.028	0.168	0.05	0.05	0.1	0.3
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/25/93	348	0.5	0.474	2.7	0.05	0.098	0.314	0.05	0.3	0.6	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/75-08/25/93	344 ##	0.005	0.008	0.37	0.005	0.	0.021	0.005	0.005	0.005	0.01

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

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/25/75-08/25/93	312 ##	0.005	0.005	0.02	0.005	0.	0.002	0.005	0.005	0.005	0.005
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/81-08/25/93	205 ##	0.5	1.685	52.	0.5	16.191	4.024	0.5	0.5	2.	3.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/25/75-08/16/89	332	18.	18.735	148.	0.25	133.044	11.534	12.	16.	21.	26.
00916	CALCIUM, TOTAL (MG/L AS CA)	04/25/75-08/16/89	339	4.	4.408	55.	0.5	15.084	3.884	2.	3.	5.	6.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/25/75-08/16/89	344	2.	2.009	8.	0.5	0.55	0.741	1.	1.9	2.	2.8
00929	SODIUM, TOTAL (MG/L AS NA)	04/25/75-08/16/89	344	2.	2.222	51.	0.25	7.784	2.79	1.	1.9	2.5	3.
00937	POTASSIUM, TOTAL MG/L AS K)	07/01/75-08/16/89	326	0.9	1.393	5.1	0.5	1.703	1.305	0.5	0.5	2.	4.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/25/75-08/25/93	305	2.	5.921	68.	0.05	133.201	11.541	1.	1.	4.	14.
00945	SULFATE, TOTAL (MG/L AS SO4)	04/25/75-08/25/93	321	16.	16.609	53.	2.5	58.921	7.676	8.	11.	20.	26.
01007	BARIUM, TOTAL (UG/L AS BA)	05/05/81-08/16/89	194	32.	31.82	120.	0.5	188.931	13.745	14.5	28.	36.	43.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/05/81-08/16/89	204 ##	0.5	1.289	15.	0.5	3.958	1.989	0.5	0.5	0.5	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/25/75-08/12/82	128 ##	25.	17.949	85.	0.5	160.952	12.687	0.5	0.5	25.	25.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/04/76-08/12/82	124 ##	25.	17.69	25.	0.5	126.685	11.255	0.5	0.5	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/25/75-08/12/82	140 ##	25.	18.068	25.	0.5	121.206	11.009	0.5	0.5	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	06/04/76-08/12/82	77 ##	2.5	13.604	25.	2.5	128.206	11.323	2.5	2.5	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	04/25/75-08/12/82	90 ##	25.	15.6	25.	2.5	119.361	10.925	2.5	2.5	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	04/25/75-08/25/93	347	200.	399.003	15700.	10.	1322423.893	1149.967	50.	50.	405.	800.
01046	IRON, DISSOLVED (UG/L AS FE)	04/25/75-09/01/83	317 ##	50.	63.58	500.	50.	2250.352	47.438	50.	50.	50.	100.
01049	LEAD, DISSOLVED (UG/L AS PB)	06/04/76-08/12/82	77 ##	1.	12.844	25.	1.	145.87	12.078	1.	1.	25.	25.
01051	LEAD, TOTAL (UG/L AS PB)	04/25/75-08/12/82	90 ##	25.	15.	25.	1.	133.596	11.558	1.	1.	25.	25.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/25/75-08/25/93	343	51.	153.257	2200.	3.	79275.542	281.559	5.	20.	140.	424.2
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/25/75-09/01/83	313	30.	130.319	2163.	5.	69311.686	263.271	5.	10.	110.	410.
01067	NICKEL, TOTAL (UG/L AS NI)	04/25/75-08/12/82	53 ##	2.5	9.217	25.	2.5	90.928	9.536	2.5	2.5	20.	25.
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/04/76-09/01/83	278 ##	25.	46.115	3040.	25.	33049.835	181.796	25.	25.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	04/25/75-08/16/89	315 ##	25.	74.705	2320.	25.	46860.266	216.472	25.	25.	50.	90.8
01097	ANTIMONY, TOTAL (UG/L AS SB)	05/05/81-08/16/89	193 ##	50.	45.337	50.	5.	189.079	13.751	5.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/04/76-08/16/89	238	166.	223.113	2170.	25.	64630.624	254.226	25.	80.	250.	480.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	06/04/76-09/01/83	212 ##	70.	95.901	330.	25.	7446.962	86.296	25.	25.	108.25	250.
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	07/09/78-08/25/93	152 ##	0.5	1.051	6.31	0.5	0.899	0.948	0.5	0.5	1.37	2.384
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	101 ##	0.5	0.884	3.54	0.5	0.422	0.65	0.5	0.5	1.185	1.856
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	06/02/81-08/25/93	60 ##	0.5	0.639	2.25	0.5	0.142	0.377	0.5	0.5	0.5	1.178
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	07/09/78-08/25/93	103 ##	0.5	0.802	6.58	0.5	0.716	0.846	0.5	0.5	0.5	1.638
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	07/09/78-08/25/93	103	1.4	1.355	1.7	1.	0.027	0.164	1.1	1.2	1.5	1.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/04/76-09/01/83	129 ##	0.5	0.657	3.1	0.5	0.236	0.486	0.5	0.5	0.5	1.
71900	MERCURY, TOTAL (UG/L AS HG)	04/25/75-09/01/83	145 ##	0.5	0.983	5.5	0.5	0.644	0.803	0.5	0.5	1.3	2.1
82537	TURBIDITY,FORWARD SCATTER JTU	05/05/81-07/19/89	771	20.	26.698	400.	3.	897.325	29.955	6.	9.	35.	60.

** - Less than 9 observations ## - Computed 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: GARI0051

NPS Station ID: GARI0051
LAT/LON: 38.223115/ -80.908948
Agency: 11COEHUN
Date Created: 03/29/80
Location: BATTLE RUN
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0014
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 034.75
HUC: 05050005
Depth of Water: 10
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 19.940
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005003400.00
RF3 Mile Point: 0.70
Distance from RF3: 0.01
On/Off RF3:
Description:
STATION IS LOCATED ON SUMMERSVILLE LAKE AT THE BATTLE RUN CAMPGROUND ACROSS FROM THE BEACH. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON WV
304-529-5694 SUMMERSVILLE WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/79-07/20/79	1	24.5	24.5	24.5	24.5	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	07/20/79-07/20/79	1	350.	350.	350.	350.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/79-07/20/79	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/20/79-07/20/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/79-07/20/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/79-07/20/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/79-07/20/79	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/31/79-07/20/79	2	440.	440.	780.	100.	231200.	480.833	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/31/79-07/20/79	2	2.446	2.446	2.892	2.	0.398	0.631	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			279.285								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-07/20/79	2	4.	4.	6.	2.	8.	2.828	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/31/79-07/20/79	2	0.54	0.54	0.778	0.301	0.114	0.337	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.464								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/31/79-07/20/79	2	30.5	30.5	43.	18.	312.5	17.678	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/31/79-07/20/79	2	1.444	1.444	1.633	1.255	0.072	0.267	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			27.821								

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

EPA Water Quality Criteria Analysis for Station: GARI0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	2	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						

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

Station Inventory for Station: GARI0052

NPS Station ID: GARI0052
LAT/LON: 38.224420/ -80.909476
Agency: 11COEHUN
Date Created: 03/29/80
Location: SUMMERSVILLE LAKE
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0025
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 034.75
HUC: 05050005
Depth of Water: 10
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005029
RF1 Mile Point: 19.940
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005022700.00
RF3 Mile Point: 0.60
Distance from RF3: 0.10
On/Off RF3:
Description:
STATION IS LOCATED ON SUMMERSVILLE LAKE AT THE BEACH AT BATTLE RUN CAMPGROUND. SAMPLED BY THE CORPS OF ENGINEERS HUNTINGTON 304-529-5694
SUMMERSVILLE DAM WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/79-09/16/81	13	25.9	25.769	28.	24.5	1.086	1.042	24.54	25.	26.5	27.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/79-08/17/79	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	06/15/79-06/15/79	1	359.	359.	359.	359.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/15/79-09/10/79	3	48.	49.667	62.	39.	134.333	11.59	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/15/79-09/10/79	3	9.5	9.233	9.6	8.6	0.303	0.551	**	**	**	**
00400	PH (STANDARD UNITS)	06/15/79-09/10/79	3	7.6	7.6	8.2	7.	0.36	0.6	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/15/79-09/10/79	3	7.6	7.358	8.2	7.	0.448	0.669	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/79-09/10/79	3	0.025	0.044	0.1	0.006	0.002	0.05	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	06/15/79-09/16/81	14	12.5	103.714	825.	2.	51741.912	227.468	2.5	3.	67.	590.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	06/15/79-09/16/81	14	1.094	1.252	2.916	0.301	0.681	0.825	0.389	0.477	1.808	2.733
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			17.885								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/16/81	14	2.5	13.	120.	1.	965.846	31.078	1.	1.75	10.	67.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/15/79-09/16/81	14	0.389	0.614	2.079	0.	0.337	0.58	0.	0.226	1.	1.613
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.112								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/15/79-09/16/81	14	11.	43.071	265.	1.	4971.148	70.506	1.5	6.75	49.	180.5
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/15/79-09/16/81	14	1.041	1.201	2.423	0.	0.438	0.662	0.151	0.828	1.659	2.203
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			15.901								

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

EPA Water Quality Criteria Analysis for Station: GARI0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	3	0	0.00				3	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00				3	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	14	0	0.00				14	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	14	0	0.00				14	0	0.00						

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

Station Inventory for Station: GARI0053

NPS Station ID: GARI0053
LAT/LON: 38.300004/ -80.916671
Agency: 112WRD
Date Created: 11/07/81
Location: R64.0 PETERS CR NR GILBOA WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381800080550001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 1.10
On/Off RF1:
RF3 Index: 05050005004500.42
RF3 Mile Point: 0.47
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/15/83	3	18.	15.667	21.5	7.5	53.083	7.286	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/15/83	3	6.	19.	47.	4.	589.	24.269	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/15/83	3	480.	389.	510.	177.	33933.	184.209	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/15/83	2	9.8	9.8	10.7	8.9	1.62	1.273	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/81-03/15/83	3	8.3	8.167	8.5	7.7	0.173	0.416	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/81-03/15/83	3	8.3	8.028	8.5	7.7	0.202	0.45	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/15/83	3	0.005	0.009	0.02	0.003	0.	0.009	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/15/83	3	7.8	7.8	8.3	7.3	0.25	0.5	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/81-03/15/83	3	7.8	7.626	8.3	7.3	0.295	0.544	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/15/83	3	0.016	0.024	0.05	0.005	0.001	0.024	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	3	76.	74.	111.	35.	1447.	38.039	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.71	0.71	0.71	0.71	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/24/81-08/24/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	3	110.	98.	130.	54.	1552.	39.395	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-03/15/83	2	27.	27.	35.	19.	128.	11.314	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/15/83	3	26.	22.333	29.	12.	82.333	9.074	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/15/83	3	11.	9.933	13.	5.8	13.813	3.717	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/15/83	3	53.	39.333	54.	11.	602.333	24.542	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/20/81-03/15/83	3	2.1	1.733	2.4	0.7	0.823	0.907	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/15/83	3	5.	6.	10.	3.	13.	3.606	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/15/83	3	98.	87.333	120.	44.	1529.333	39.107	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/15/83	3	350.	413.333	550.	340.	14033.333	118.462	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GARI0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/15/83	3	440.	460.	570.	370.	10300.	101.489	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/15/83	3	29.	45.	90.	16.	1561.	39.509	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	710.	710.	710.	710.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/15/83	3	40.	46.667	100.	0.	2533.333	50.332	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/15/83	3	600.	713.333	1300.	240.	290533.333	539.011	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/15/83	3	620.	673.333	1200.	200.	252133.333	502.129	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/15/83	2	214.5	214.5	317.	112.	21012.5	144.957	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	1	239.	239.	239.	239.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	2	3.685	3.685	5.05	2.32	3.726	1.93	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	2	0.38	0.38	0.43	0.33	0.005	0.071	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/24/81-08/24/81	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/24/81-08/24/81	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/15/83	2	16.5	16.5	19.	14.	12.5	3.536	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	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 time series plot

EPA Water Quality Criteria Analysis for Station: GARI0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
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.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0054

NPS Station ID: GARI0054
LAT/LON: 38.208753/ -80.921392
Agency: 11COEHUN
Date Created: 03/29/80
Location: GAULEY RIVER
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0102
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: Yes
RMI-Miles: 0953.80 0715.40 096.70 031.90
HUC: 05050005
Depth of Water: 10
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005024
RF1 Mile Point: 2.500
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005002500.01
RF3 Mile Point: 1.22
Distance from RF3: 0.01
On/Off RF3:
Description:
LOCATED ON GAULEY RIVER 3.35 MILES BELOW SUMMERSVILLE DAM. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON 304-529-5694 SUMMERSVILLE DAM WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/79-10/04/79	6	17.05	16.583	17.5	15.1	1.202	1.096	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/79-10/04/79	6	59.5	62.167	77.	58.	53.367	7.305	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/04/79-10/04/79	6	10.9	10.733	11.1	9.8	0.227	0.476	**	**	**	**
00400	PH (STANDARD UNITS)	10/04/79-10/04/79	6	6.7	6.65	6.8	6.3	0.039	0.197	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/04/79-10/04/79	6	6.689	6.608	6.8	6.3	0.041	0.203	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/79-10/04/79	6	0.205	0.247	0.501	0.158	0.018	0.133	**	**	**	**

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: GARI0054

				Total	Exceed	Prop.	----------10/01-4/14----------			----------4/15-9/30----------			--------------n/a--------------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	6	0	0.00									
00400	PH	Other-Hi Lim.	9.	6	0	0.00	6	0	0.00									
		Other-Lo Lim.	6.5	6	1	0.17	6	1	0.17									

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

Station Inventory for Station: GARI0055

NPS Station ID: GARI0055
LAT/LON: 38.334171/ -80.922505
Agency: 112WRD
Date Created: 11/06/82
Location: TRIBUTARY TO GARDEN CR
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 382003080552101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 14.60
On/Off RF1:
RF3 Index: 05050005019600.66
RF3 Mile Point: 1.58
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/82-08/16/82	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/16/82-08/16/82	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/82-08/16/82	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/82-08/16/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/82-08/16/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/82-08/16/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/82-08/16/82	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/82-08/16/82	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/82-08/16/82	1	25118.864	25118.864	25118.864	25118.864	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/16/82-08/16/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/82-08/16/82	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/82-08/16/82	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/82-08/16/82	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/16/82-08/16/82	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/82-08/16/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/82-08/16/82	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	08/16/82-08/16/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/82-08/16/82	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/82-08/16/82	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/16/82-08/16/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/82-08/16/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/82-08/16/82	1	17.	17.	17.	17.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/82-08/16/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/16/82-08/16/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/16/82-08/16/82	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

EPA Water Quality Criteria Analysis for Station: GARI0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0056

NPS Station ID: GARI0056
LAT/LON: 38.320559/ -80.927504
Agency: 112WRD
Date Created: 11/06/82
Location: GARDEN CK NR GILBO
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381914080553901
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 9.70
On/Off RF1:
RF3 Index: 05050005019600.66
RF3 Mile Point: 0.75
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/82-08/16/82	1	20.5	20.5	20.5	20.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/16/82-08/16/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/82-08/16/82	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/82-08/16/82	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/82-08/16/82	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/82-08/16/82	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/82-08/16/82	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/82-08/16/82	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/82-08/16/82	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/16/82-08/16/82	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/16/82-08/16/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/82-08/16/82	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/82-08/16/82	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/82-08/16/82	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/16/82-08/16/82	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/82-08/16/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/82-08/16/82	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	08/16/82-08/16/82	1	470.	470.	470.	470.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/16/82-08/16/82	1	630.	630.	630.	630.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/82-08/16/82	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/16/82-08/16/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/16/82-08/16/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/16/82-08/16/82	1	93.	93.	93.	93.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/82-08/16/82	1	119.	119.	119.	119.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	08/16/82-08/16/82	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/16/82-08/16/82	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 time series plot

EPA Water Quality Criteria Analysis for Station: GARI0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0057

NPS Station ID: GARI0057
LAT/LON: 38.304170/ -80.936671
Agency: 112WRD
Date Created: 11/07/81
Location: R65.0 BUCK GARDEN CR @ GILBOA WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381815080561201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 0.50
On/Off RF1:
RF3 Index: 05050005005200.00
RF3 Mile Point: 0.05
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/15/83	3	18.5	16.	23.	6.5	72.75	8.529	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/15/83	3	0.9	9.833	28.	0.6	247.543	15.734	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/15/83	3	191.	158.	210.	73.	5509.	74.223	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/15/83	2	9.75	9.75	11.2	8.3	4.205	2.051	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/81-03/15/83	3	7.8	7.6	8.	7.	0.28	0.529	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/81-03/15/83	3	7.8	7.377	8.	7.	0.354	0.595	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/15/83	3	0.016	0.042	0.1	0.01	0.003	0.05	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/15/83	3	7.4	7.367	8.	6.7	0.423	0.651	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/81-03/15/83	3	7.4	7.08	8.	6.7	0.546	0.739	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/15/83	3	0.04	0.083	0.2	0.01	0.01	0.102	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	3	51.	37.333	53.	8.	646.333	25.423	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	3	51.	44.333	58.	24.	322.333	17.954	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-03/15/83	2	11.5	11.5	16.	7.	40.5	6.364	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/15/83	3	12.	10.2	14.	4.6	24.52	4.952	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/15/83	3	5.2	4.567	5.6	2.9	2.123	1.457	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/15/83	3	14.	11.633	19.	1.9	77.303	8.792	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/20/81-03/15/83	3	0.9	0.767	1.2	0.2	0.263	0.513	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/15/83	3	1.	2.	4.	1.	3.	1.732	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/15/83	3	32.	30.333	39.	20.	92.333	9.609	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/15/83	3	550.	586.667	760.	450.	25033.333	158.219	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/15/83	3	610.	663.333	790.	590.	12133.333	110.151	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/15/83	3	62.	78.667	140.	34.	3017.333	54.93	**	**	**	**

** - Less than 9 observations ## - 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: GARI0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	420.	420.	420.	420.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/15/83	3	10.	20.	40.	10.	300.	17.321	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/15/83	3	30.	46.667	80.	30.	833.333	28.868	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/15/83	3	20.	28.333	45.	20.	208.333	14.434	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	1	95.	95.	95.	95.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	2600.	2600.	2600.	2600.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/15/83	2	94.	94.	124.	64.	1800.	42.426	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	1	102.	102.	102.	102.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	2	0.235	0.235	0.3	0.17	0.008	0.092	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	2	0.155	0.155	0.17	0.14	0.	0.021	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/15/83	2	19.	19.	23.	15.	32.	5.657	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GARI0057

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	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.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0058

NPS Station ID: GARI0058
LAT/LON: 38.192531/ -80.944310
Agency: 11COEHUN
Date Created: 03/29/80
Location: MEADOW RIVER
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0107
RMI-Indexes: 1021500 007720 15040 2370 0500
Within Park Boundary: Yes
RMI-Miles: 0953.80 0715.40 096.70 028.20 000.10
HUC: 05050005
Depth of Water: 5
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005024
RF1 Mile Point: 0.240
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005000603.85
RF3 Mile Point: 3.85
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION IS LOCATED ON THE MEADOW RIVER AT THE MOUTH. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON 304-529-5694 SUMMERSVILLE DAM QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/01/79-10/01/79	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/79-10/01/79	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/01/79-10/01/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/01/79-10/01/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/01/79-10/01/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/01/79-10/01/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/79-10/01/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/79-10/01/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/01/79-10/01/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/01/79-10/01/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/01/79-10/01/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/79-10/01/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/01/79-10/01/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/01/79-10/01/79	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/01/79-10/01/79	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/01/79-10/01/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/01/79-10/01/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/01/79-10/01/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/01/79-10/01/79	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/79-10/01/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/01/79-10/01/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/79-10/01/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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Parameter Inventory for Station: GARI0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/79-10/01/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/01/79-10/01/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/01/79-10/01/79	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/01/79-10/01/79	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/79-10/01/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/01/79-10/01/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GARI0058

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
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									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	0 &	0	0.00												
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	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									
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									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00	1	1	1.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
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									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: GARI0059

NPS Station ID: GARI0059
LAT/LON: 38.194170/ -80.945032
Agency: 11COEHUN
Date Created: 03/29/80
Location: GAULEY RIVER BELOW MEADOW RIVER
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0103
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: Yes
RMI-Miles: 0953.80 0715.40 096.70 028.00
HUC: 05050005
Depth of Water: 10
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005024
RF1 Mile Point: 0.240
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005002402.04
RF3 Mile Point: 2.48
Distance from RF3: 0.02
On/Off RF3:
Description:
STATION IS LOCATED ON GAULEY RIVER 500 FT BELOW MEADOW RIVER. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON 304-529-5694 SUMMERSVILLE DAM WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/01/79-10/01/79	1	17.8	17.8	17.8	17.8	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/79-10/01/79	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/01/79-10/01/79	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/01/79-10/01/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/01/79-10/01/79	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/01/79-10/01/79	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/01/79-10/01/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/01/79-10/01/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/01/79-10/01/79	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/01/79-10/01/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/01/79-10/01/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/79-10/01/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/01/79-10/01/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/01/79-10/01/79	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/01/79-10/01/79	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/01/79-10/01/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/01/79-10/01/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/01/79-10/01/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/01/79-10/01/79	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/79-10/01/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/01/79-10/01/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/79-10/01/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: GARI0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	10/01/79-10/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/79-10/01/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/01/79-10/01/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/01/79-10/01/79	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/01/79-10/01/79	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/01/79-10/01/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/79-10/01/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/01/79-10/01/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
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									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	0 &	0	0.00												
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	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									
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									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00	1	1	1.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
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									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: GARI0060

NPS Station ID: GARI0060
LAT/LON: 38.189727/ -80.946948
Agency: 112WRD
Date Created: / /
Location: MEADOW RIVER NEAR MT. LOOKOUT, WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03190400
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005007
RF1 Mile Point: 0.110
Distance from RF1: 21.30
On/Off RF1: OFF
RF3 Index: 05050005007302.92
RF3 Mile Point: 2.98
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/67-08/10/83	96	11.	11.764	26.	0.	65.629	8.101	1.85	4.125	20.	23.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/18/66-08/10/83	73	13.	13.363	30.	-5.	81.217	9.012	4.2	7.	21.	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/18/66-08/10/83	94	456.	813.713	13000.	13.	2116006.013	1454.65	52.	122.	973.25	1715.
00065	STAGE, STREAM (FEET)	03/04/71-05/28/71	3	5.21	4.963	5.61	4.07	0.639	0.799	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/21/80-08/21/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/30/80-10/30/80	1	142.	142.	142.	142.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/69-08/10/83	59	72.	80.407	190.	25.	999.556	31.616	50.	58.	96.	126.
00300	OXYGEN, DISSOLVED MG/L	04/26/73-03/16/83	30	10.15	10.287	14.4	2.2	7.405	2.721	7.27	8.725	12.2	14.09
00400	PH (STANDARD UNITS)	10/09/69-07/13/83	57	7.	6.953	8.4	4.	0.46	0.679	6.48	6.7	7.2	7.66
00400	CONVERTED PH (STANDARD UNITS)	10/09/69-07/13/83	57	7.	5.694	8.4	4.	2.073	1.44	6.48	6.7	7.2	7.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/69-07/13/83	57	0.1	2.022	100.	0.004	175.009	13.229	0.022	0.063	0.2	0.333
00403	PH, LAB, STANDARD UNITS SU	10/30/80-03/16/83	9	7.1	7.056	7.8	6.7	0.118	0.343	6.7	6.75	7.2	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	10/30/80-03/16/83	9	7.1	6.961	7.8	6.7	0.128	0.358	6.7	6.75	7.2	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-03/16/83	9	0.079	0.109	0.2	0.016	0.004	0.065	0.016	0.063	0.179	0.2
00405	CARBON DIOXIDE (MG/L AS CO2)	10/30/80-12/03/81	8	2.15	3.025	8.6	1.	6.391	2.528	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/26/71-03/16/83	20	11.5	15.15	38.	4.	87.818	9.371	5.1	7.25	23.5	27.6
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/26/80-08/24/82	14	1.25	2.143	5.	0.	5.632	2.373	0.	0.	5.	5.
00440	BICARBONATE ION (MG/L AS HCO3)	01/26/71-12/03/81	10	13.	16.5	34.	6.	92.5	9.618	6.1	8.5	24.25	33.1
00445	CARBONATE ION (MG/L AS CO3)	10/30/80-12/03/81	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/05/80-08/24/82	8	0.015	0.019	0.05	0.005	0.	0.016	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/20/81-07/20/81	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/05/80-08/24/82	8 ##	0.005	0.004	0.005	0.	0.	0.002	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12/05/80-12/05/80	1	0.58	0.58	0.58	0.58	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/26/80-08/24/82	10	0.6	0.525	0.8	0.05	0.05	0.223	0.075	0.375	0.7	0.79
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/05/80-12/03/81	2	0.105	0.105	0.21	0.	0.022	0.148	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/26/80-07/11/80	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/05/80-08/24/82	8 ##	0.005	0.013	0.07	0.	0.001	0.023	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/80-08/21/80	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/26/71-03/16/83	24	22.5	23.208	47.	0.	164.781	12.837	2.	16.	26.	44.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/26/71-03/16/83	19	14.	12.737	26.	0.	57.871	7.607	0.	8.	16.	26.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/26/71-03/16/83	24	5.95	6.379	12.	0.	9.563	3.092	1.85	5.025	9.425	11.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/80-03/16/83	19	2.2	2.547	4.5	1.5	0.81	0.9	1.6	1.9	3.6	4.1
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/80-03/16/83	19	2.1	3.032	6.9	1.6	2.817	1.678	1.6	1.8	4.9	5.8
00931	SODIUM ADSORPTION RATIO	03/26/80-03/16/83	19	0.2	0.258	0.5	0.1	0.013	0.112	0.2	0.2	0.3	0.5
00932	SODIUM, PERCENT	10/30/80-10/30/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/30/80-10/30/80	1	2.1	2.1	2.1	2.1	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

Parameter Inventory for Station: GARI0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	01/26/71-03/16/83	24	3.	3.375	7.	1.	2.766	1.663	2.	2.	4.75	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/80-03/16/83	19	15.	17.	33.	8.	48.778	6.984	11.	12.	23.	31.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/30/80-10/30/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/30/80-08/24/82	9	3.7	3.356	4.5	1.8	1.025	1.013	1.8	2.25	4.25	4.5
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/05/80-08/24/82	8	40.	41.	51.	29.	39.143	6.256	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/05/80-08/24/82	8 ##	0.5	0.513	1.	0.25	0.048	0.218	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/05/80-08/24/82	8 ##	0.5	0.75	2.	0.5	0.286	0.535	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	12/05/80-08/24/82	8 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/05/80-08/24/82	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	03/26/80-03/16/83	18	535.	851.111	6500.	30.	2144104.575	1464.276	75.	225.	860.	2000.
01045	IRON, TOTAL (UG/L AS FE)	03/26/80-03/16/83	18	605.	925.	6600.	70.	2171391.176	1473.564	142.	272.5	972.5	2100.
01046	IRON, DISSOLVED (UG/L AS FE)	03/26/80-03/16/83	19	67.	95.526	460.	10.	9242.93	96.14	27.	53.	110.	150.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/05/80-08/24/82	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/26/80-03/16/83	17	20.	52.059	330.	0.	6497.059	80.604	4.	10.	60.	186.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/80-03/16/83	18	35.	69.167	370.	5.	7771.324	88.155	9.5	27.5	82.5	217.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/26/80-03/16/83	19	12.	20.526	89.	5.	427.263	20.67	5.	9.	22.	50.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/05/80-08/24/82	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/05/80-08/24/82	8	41.5	48.	84.	34.	324.571	18.016	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	12/05/80-08/24/82	8 ##	3.	3.5	7.	3.	2.	1.414	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/05/80-08/24/82	8 ##	2.	3.688	12.	1.5	13.353	3.654	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	12/05/80-08/24/82	8 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	490.	490.	490.	490.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/26/81-08/24/82	7	220.	184.143	400.	11.	27070.143	164.53	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	02/26/81-08/24/82	7	2.342	1.957	2.602	1.041	0.438	0.662	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			90.672								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/26/81-08/24/82	7	170.	922.714	5300.	7.	3761459.571	1939.448	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/26/81-08/24/82	7	2.23	2.167	3.724	0.845	0.935	0.967	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			146.819								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/26/80-03/16/83	18	47.5	48.5	80.	8.	271.794	16.486	29.6	41.5	56.25	72.8
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/30/80-08/24/82	8	40.5	47.875	74.	34.	238.125	15.431	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	03/26/80-08/24/82	15	67.4	87.495	266.	7.03	5624.374	74.996	9.712	16.1	129.	221.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/26/80-08/24/82	18	0.07	0.067	0.11	0.01	0.001	0.024	0.037	0.058	0.083	0.101
71825	ACIDITY, TOTAL (MG/L AS H)	04/13/71-03/16/83	19	0.05	0.087	1.	0.	0.05	0.224	0.	0.	0.05	0.1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/05/80-08/24/82	8	0.02	0.026	0.06	0.01	0.	0.019	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	12/05/80-12/05/80	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/05/80-12/05/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/21/80-03/16/83	5	9.	21.6	58.	5.	530.8	23.039	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/21/80-07/20/81	2	91.55	91.55	182.	1.1	16362.405	127.916	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/26/80-03/26/80	1	6.	6.	6.	6.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0060

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0060

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	30	1	0.03	13	0	0.00	17	1	0.06						
00400	PH	Other-Hi Lim.	9.	57	0	0.00	30	0	0.00	27	0	0.00						
		Other-Lo Lim.	6.5	57	8	0.14	30	4	0.13	27	4	0.15						
00403	PH, LAB	Other-Hi Lim.	9.	9	0	0.00	5	0	0.00	4	0	0.00						
		Other-Lo Lim.	6.5	9	0	0.00	5	0	0.00	4	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	8	0	0.00	4	0	0.00	4	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.	10	0	0.00	5	0	0.00	5	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	24	0	0.00	13	0	0.00	11	0	0.00						
		Drinking Water	250.	24	0	0.00	13	0	0.00	11	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	19	0	0.00	10	0	0.00	9	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	8	0	0.00	4	0	0.00	4	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	4.	8	0	0.00	4	0	0.00	4	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	5.	8	0	0.00	4	0	0.00	4	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	1300.	8	0	0.00	4	0	0.00	4	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	15.	8	0	0.00	4	0	0.00	4	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	5000.	8	0	0.00	4	0	0.00	4	0	0.00						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	7	4	0.57	3	3	1.00	4	1	0.25						
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 criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 10/01 to 4/14 - Station GARI0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/67-08/10/83	53	5.	5.987	23.	0.	24.465	4.946	0.	2.25	8.75	14.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/18/66-08/10/83	40	8.5	8.413	30.	-5.	66.909	8.18	2.65	4.625	12.25	20.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/18/66-08/10/83	51	690.	1095.549	13000.	13.	3453414.693	1858.337	80.	347.	1120.	2262.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/69-08/10/83	31	62.	74.161	190.	42.	1003.273	31.674	50.	55.	83.	130.8
00300	OXYGEN, DISSOLVED MG/L	04/26/73-03/16/83	13	12.5	12.431	14.4	9.6	2.536	1.592	9.88	11.15	14.05	14.28
00400	PH (STANDARD UNITS)	10/09/69-07/13/83	30	7.	6.977	8.4	4.	0.578	0.76	6.5	6.6	7.3	7.965
00400	CONVERTED PH (STANDARD UNITS)	10/09/69-07/13/83	30	7.	5.461	8.4	4.	2.956	1.719	6.5	6.6	7.3	7.965
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/69-07/13/83	30	0.1	3.463	100.	0.004	332.45	18.233	0.011	0.05	0.251	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/26/71-03/16/83	10	10.	11.6	24.	4.	44.933	6.703	4.1	6.5	16.5	23.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/26/71-03/16/83	13	22.	20.923	47.	0.	213.244	14.603	0.	9.5	25.5	46.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/26/71-03/16/83	10	14.5	14.3	26.	0.	59.122	7.689	0.8	10.25	17.75	26.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/26/71-03/16/83	13	5.6	5.685	12.	0.	11.931	3.454	0.	4.35	7.05	11.6
00940	CHLORIDE,TOTAL IN WATER MG/L	01/26/71-03/16/83	13	4.	3.846	7.	2.	2.474	1.573	2.	2.5	5.	6.6
71825	ACIDITY, TOTAL (MG/L AS H)	04/13/71-03/16/83	11 ##	0.05	0.127	1.	0.	0.085	0.291	0.	0.	0.05	0.82

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

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/67-08/10/83	43	20.	18.884	26.	8.5	24.141	4.913	11.4	14.5	23.	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/18/66-08/10/83	33	20.	19.364	29.5	7.	33.426	5.782	9.8	15.	24.	25.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/18/66-08/10/83	43	201.	479.442	3120.	30.	363383.729	602.813	40.8	84.	741.	1286.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/69-08/10/83	28	80.	87.321	155.	25.	938.078	30.628	50.	64.5	114.75	127.8
00300	OXYGEN, DISSOLVED MG/L	04/26/73-03/16/83	17	8.9	8.647	11.4	2.2	4.929	2.22	4.52	8.1	9.95	10.76
00400	PH (STANDARD UNITS)	10/09/69-07/13/83	27	7.	6.926	7.9	5.4	0.346	0.588	5.96	6.7	7.2	7.62
00400	CONVERTED PH (STANDARD UNITS)	10/09/69-07/13/83	27	7.	6.375	7.9	5.4	0.661	0.813	5.96	6.7	7.2	7.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/09/69-07/13/83	27	0.1	0.421	3.981	0.013	1.076	1.037	0.024	0.063	0.2	1.432
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/26/71-03/16/83	10	21.	18.7	38.	6.	112.456	10.605	6.2	8.	25.	37.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/26/71-03/16/83	11	24.	25.909	42.	12.	108.291	10.406	12.4	19.	40.	41.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	01/26/71-03/16/83	9	13.	11.	22.	0.	57.25	7.566	0.	3.	16.	22.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/26/71-03/16/83	11	6.4	7.2	11.	4.	6.31	2.512	4.16	5.1	10.	10.8
00940	CHLORIDE,TOTAL IN WATER MG/L	01/26/71-03/16/83	11	2.	2.818	6.	1.	2.764	1.662	1.2	2.	3.	6.
71825	ACIDITY, TOTAL (MG/L AS H)	04/13/71-03/16/83	8	0.025	0.031	0.1	0.	0.001	0.037	**	**	**	**

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

Station Inventory for Station: GARI0061

NPS Station ID: GARI0061 LAT/LON: 38.196948/ -80.947504 Agency: 112WRD Date Created: 11/07/81
Location: R63.0 GAULEY R BLW MOUTH OF MEADOW R WV FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 381149080565101
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05050005 RF1 Mile Point: 0.000 Distance from RF1: 11.30 On/Off RF1:
RF3 Index: 05050005058200.76 RF3 Mile Point: 0.87 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GARI0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/16/83	3	19.	15.833	20.	8.5	40.583	6.371	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/16/83	2	197.5	197.5	345.	50.	43512.5	208.597	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/16/83	3	52.	72.	116.	48.	1456.	38.158	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/24/81-08/24/81	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/81-03/16/83	3	7.2	7.	7.6	6.2	0.52	0.721	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/81-03/16/83	3	7.2	6.62	7.6	6.2	0.736	0.858	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/16/83	3	0.063	0.24	0.631	0.025	0.115	0.339	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/16/83	3	6.6	7.	7.8	6.6	0.48	0.693	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/81-03/16/83	3	6.6	6.763	7.8	6.6	0.565	0.751	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/16/83	3	0.251	0.173	0.251	0.016	0.018	0.136	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/24/81-08/24/81	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/16/83	3	5.	9.667	19.	5.	65.333	8.083	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-03/16/83	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/81-08/24/81	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-03/16/83	3	17.	23.667	39.	15.	177.333	13.317	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-03/16/83	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/16/83	3	4.1	5.9	10.	3.6	12.67	3.559	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/16/83	3	1.7	2.167	3.4	1.4	1.163	1.079	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/16/83	3	1.9	2.867	5.4	1.3	4.903	2.214	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/20/81-03/16/83	3	0.2	0.233	0.4	0.1	0.023	0.153	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/16/83	3	2.	1.933	3.	0.8	1.213	1.102	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/16/83	3	11.	14.	21.	10.	37.	6.083	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: GARI0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/16/83	3	220.	220.	230.	210.	100.	10.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/16/83	3	280.	270.	280.	250.	300.	17.321	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/16/83	3	53.	50.	70.	27.	469.	21.656	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	260.	260.	260.	260.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/16/83	3	20.	26.667	50.	10.	433.333	20.817	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/16/83	3	50.	50.	70.	30.	400.	20.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/16/83	3	22.	23.333	28.	20.	17.333	4.163	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	1	78.	78.	78.	78.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	370.	370.	370.	370.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/16/83	2	36.5	36.5	41.	32.	40.5	6.364	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	1	58.	58.	58.	58.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-07/20/81	1	29.8	29.8	29.8	29.8	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	2	0.06	0.06	0.08	0.04	0.001	0.028	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-03/16/83	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/16/83	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	1	0.33	1	0	0.00	2	1	0.50						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	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.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0062

NPS Station ID: GARI0062
LAT/LON: 38.190281/ -80.948616
Agency: 112WRD
Date Created: 12/02/81
Location: MEADOW R NEAR MT LOOKOUT, WV
FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381125080565501
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 6.80
On/Off RF1:
RF3 Index: 05050005078400.00
RF3 Mile Point: 0.61
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/80-03/26/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/26/80-03/26/80	1	3050.	3050.	3050.	3050.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/80-03/26/80	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/26/80-03/26/80	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/26/80-03/26/80	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/80-03/26/80	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/80-03/26/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/26/80-03/26/80	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/26/80-03/26/80	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/26/80-03/26/80	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/26/80-03/26/80	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/26/80-03/26/80	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/26/80-03/26/80	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/26/80-03/26/80	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/26/80-03/26/80	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	03/26/80-03/26/80	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/80-03/26/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/80-03/26/80	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	03/26/80-03/26/80	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/80-03/26/80	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/26/80-03/26/80	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/26/80-03/26/80	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/80-03/26/80	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/26/80-03/26/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/26/80-03/26/80	1	32.	32.	32.	32.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	03/26/80-03/26/80	1	264.	264.	264.	264.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/26/80-03/26/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	03/26/80-03/26/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/26/80-03/26/80	1	6.	6.	6.	6.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a 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									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: GARI0063

NPS Station ID: GARI0063
LAT/LON: 38.279727/ -80.975837
Agency: 112WRD
Date Created: 11/07/81
Location: R66.0 PETERS CR NR DRENNEN WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381647080583301
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 05050005003702.97
RF3 Mile Point: 3.31
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/81-03/15/83	3	20.	16.667	24.	6.	89.333	9.452	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/20/81-03/15/83	3	7.	43.333	117.	6.	4070.333	63.799	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/81-03/15/83	3	385.	303.667	399.	127.	23457.333	153.158	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/24/81-03/15/83	2	11.1	11.1	11.6	10.6	0.5	0.707	**	**	**	**
00400	PH (STANDARD UNITS)	07/20/81-03/15/83	3	8.3	8.3	9.	7.6	0.49	0.7	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/20/81-03/15/83	3	8.3	7.984	9.	7.6	0.64	0.8	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/15/83	3	0.005	0.01	0.025	0.001	0.	0.013	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/20/81-03/15/83	3	7.9	7.9	8.8	7.	0.81	0.9	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/20/81-03/15/83	3	7.9	7.42	8.8	7.	1.156	1.075	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/81-03/15/83	3	0.013	0.038	0.1	0.002	0.003	0.054	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/81-03/15/83	3	83.	66.667	89.	28.	1130.333	33.62	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/81-08/24/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/81-08/24/81	2	100.	100.	100.	100.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/81-08/24/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/81-03/15/83	3	24.	19.233	25.	8.7	83.463	9.136	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/81-03/15/83	3	9.5	8.067	10.	4.7	8.563	2.926	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/81-03/15/83	3	37.	27.633	40.	5.9	356.503	18.881	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/20/81-08/24/81	2	1.75	1.75	1.9	1.6	0.045	0.212	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/81-03/15/83	3	6.	5.667	8.	3.	6.333	2.517	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/81-03/15/83	3	84.	67.333	84.	34.	833.333	28.868	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/81-08/24/81	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/24/81-08/24/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/24/81-08/24/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/20/81-03/15/83	3	320.	323.333	370.	280.	2033.333	45.092	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/81-03/15/83	3	340.	353.333	400.	320.	1733.333	41.633	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/20/81-03/15/83	3	31.	30.	40.	19.	111.	10.536	**	**	**	**

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

Parameter Inventory for Station: GARI0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/20/81-03/15/83	3	20.	20.	30.	10.	100.	10.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/81-03/15/83	3	50.	83.333	170.	30.	5733.333	75.719	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/20/81-03/15/83	3	40.	65.	140.	15.	4375.	66.144	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-08/24/81	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/24/81-08/24/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/24/81-08/24/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	49.	49.	49.	49.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/81-08/24/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	8000.	8000.	8000.	8000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/81-03/15/83	2	159.5	159.5	221.	98.	7564.5	86.974	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/81-08/24/81	1	218.	218.	218.	218.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/20/81-08/24/81	2	3.975	3.975	4.42	3.53	0.396	0.629	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/20/81-08/24/81	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/24/81-08/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/24/81-08/24/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/20/81-03/15/83	2	14.	14.	24.	4.	200.	14.142	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/20/81-07/20/81	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

EPA Water Quality Criteria Analysis for Station: GARI0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	1	0.33	1	0	0.00	2	1	0.50						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	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.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0064

NPS Station ID: GARI0064
LAT/LON: 38.125005/ -80.981948
Agency: 12NSS
Date Created: 10/22/88
Location: HEDRICKS CREEK
FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2C046050L /2CN2C046050L
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 603
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 20.90
On/Off RF1:
RF3 Index: 05050005006801.97
RF3 Mile Point: 2.99
Distance from RF3: 0.07
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: GARI0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/86-05/05/86	2	13.4	13.4	13.8	13.	0.32	0.566	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/18/86-05/05/86	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/86-05/05/86	2	25.	25.	25.	25.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/86-05/05/86	2	62.5	62.5	66.	59.	24.5	4.95	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/86-05/05/86	2	9.05	9.05	9.2	8.9	0.045	0.212	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/18/86-05/05/86	2	6.55	6.55	6.6	6.5	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/18/86-05/05/86	2	6.547	6.547	6.6	6.5	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/86-05/05/86	2	0.284	0.284	0.316	0.251	0.002	0.046	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/18/86-05/05/86	2	86.8	86.8	90.	83.6	20.48	4.525	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/18/86-05/05/86	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/86-05/05/86	2	0.003	0.003	0.004	0.001	0.	0.002	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/18/86-05/05/86	2	0.65	0.65	1.	0.3	0.245	0.495	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/18/86-05/05/86	2	1.65	1.65	1.8	1.5	0.045	0.212	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/18/86-05/05/86	2	3.1	3.1	3.2	3.	0.02	0.141	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/18/86-05/05/86	2	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/18/86-05/05/86	2	4.735	4.735	4.87	4.6	0.036	0.191	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/18/86-05/05/86	2	1.45	1.45	1.48	1.42	0.002	0.042	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/18/86-05/05/86	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/18/86-05/05/86	2	6.75	6.75	7.2	6.3	0.405	0.636	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/18/86-05/05/86	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/86-05/05/86	2	4.1	4.1	4.4	3.8	0.18	0.424	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/18/86-05/05/86	2	657.55	657.55	746.5	568.6	15824.205	125.794	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/86-05/05/86	2	30.5	30.5	37.	24.	84.5	9.192	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/18/86-05/05/86	2	1.	1.	1.2	0.8	0.08	0.283	**	**	**	**
71885	IRON (UG/L AS FE)	04/18/86-05/05/86	2	1486.935	1486.935	1568.88	1404.99	13429.966	115.888	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/18/86-05/05/86	2	1980.	1980.	1980.	1980.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/18/86-05/05/86	2	1.65	1.65	1.8	1.5	0.045	0.212	**	**	**	**
83509	STREAM, WIDTH METER	04/18/86-05/05/86	2	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00				2	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	1	0.50				2	1	0.50						
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	2	1.00				2	2	1.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00				2	0	0.00						
		Drinking Water	250.	2	0	0.00				2	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00				2	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				2	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00				2	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00				2	0	0.00						

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

Station Inventory for Station: GARI0065

NPS Station ID: GARI0065
LAT/LON: 38.118615/ -80.984726
Agency: 12NSS
Date Created: 10/22/88
Location: HEDRICKS CREEK
FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2C046050U /2CN2C046050U
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 655
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 19.40
On/Off RF1:
RF3 Index: 05050005007400.00
RF3 Mile Point: 6.54
Distance from RF3: 0.20
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: GARI0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/18/86-05/05/86	2	10.	10.	11.5	8.5	4.5	2.121	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/18/86-05/05/86	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/18/86-05/05/86	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/18/86-05/05/86	2	23.	23.	24.	22.	2.	1.414	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/18/86-05/05/86	2	7.65	7.65	8.3	7.	0.845	0.919	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/18/86-05/05/86	2	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/18/86-05/05/86	2	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/18/86-05/05/86	2	6.31	6.31	6.31	6.31	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	04/18/86-05/05/86	2	10.1	10.1	13.6	6.6	24.5	4.95	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/18/86-05/05/86	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/18/86-05/05/86	2	0.011	0.011	0.021	0.001	0.	0.014	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/18/86-05/05/86	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	04/18/86-05/05/86	2	1.05	1.05	1.1	1.	0.005	0.071	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/18/86-05/05/86	2	1.05	1.05	1.1	1.	0.005	0.071	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/18/86-05/05/86	2	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/18/86-05/05/86	2	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/18/86-05/05/86	2	0.635	0.635	0.65	0.62	0.	0.021	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/18/86-05/05/86	2	0.75	0.75	0.8	0.7	0.005	0.071	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/18/86-05/05/86	2	6.45	6.45	6.7	6.2	0.125	0.354	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/18/86-05/05/86	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/18/86-05/05/86	2	5.15	5.15	5.4	4.9	0.125	0.354	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/18/86-05/05/86	2	10.5	10.5	14.	7.	24.5	4.95	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/18/86-05/05/86	2	54.	54.	55.	53.	2.	1.414	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	04/18/86-05/05/86	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
71885	IRON (UG/L AS FE)	04/18/86-05/05/86	2	7.495	7.495	14.99	0.	112.35	10.6	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/18/86-05/05/86	2	2150.	2150.	2150.	2150.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/18/86-05/05/86	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
83509	STREAM, WIDTH METER	04/18/86-05/05/86	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0065

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

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

Station Inventory for Station: GARI0066

NPS Station ID: GARI0066
LAT/LON: 38.203392/ -81.014171
Agency: 11COEHUN
Date Created: 03/29/80
Location: GAULEY RIVER
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 1SUMW0104
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: Yes
RMI-Miles: 0953.80 0715.40 096.70 021.80
HUC: 05050005
Depth of Water: 10
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: GUYANDOTTE RIVER
ECO Region:
RF1 Index: 05050005006
RF1 Mile Point: 4.130
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005000610.11
RF3 Mile Point: 10.11
Distance from RF3: 0.04
On/Off RF3:
Description:
STATION IS LOCATED ON GAULEY RIVER AT RAMSEY BRANCH. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON WV 304-529-5694 ANSTEAD WV QUAD. NICHOLAS COUNTY

Parameter Inventory for Station: GARI0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/02/79-10/02/79	1	16.3	16.3	16.3	16.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/02/79-10/02/79	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/02/79-10/02/79	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/02/79-10/02/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/02/79-10/02/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/02/79-10/02/79	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/02/79-10/02/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/02/79-10/02/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/02/79-10/02/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/02/79-10/02/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/02/79-10/02/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/02/79-10/02/79	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/02/79-10/02/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/02/79-10/02/79	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/02/79-10/02/79	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/02/79-10/02/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/02/79-10/02/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/02/79-10/02/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/02/79-10/02/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/02/79-10/02/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/02/79-10/02/79	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/02/79-10/02/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/02/79-10/02/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/02/79-10/02/79	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: GARI0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	10/02/79-10/02/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/02/79-10/02/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/02/79-10/02/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/02/79-10/02/79	1	700.	700.	700.	700.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/02/79-10/02/79	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/02/79-10/02/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/02/79-10/02/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/02/79-10/02/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/02/79-10/02/79	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0066

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
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									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	0 &	0	0.00												
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	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									
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									
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00	1	1	1.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
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									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: GARI0067

NPS Station ID: GARI0067
LAT/LON: 38.261116/ -81.022227
Agency: 112WRD
Date Created: 06/16/79
Location: R22.0PETERS CR NR LOCKWOOD WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381540081012039
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.00
On/Off RF1:
RF3 Index: 05050005006100.00
RF3 Mile Point: 3.52
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-08/27/80	16	16.25	14.781	26.5	1.	62.566	7.91	1.7	8.375	20.75	26.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/21/79-05/23/80	6	14.25	12.583	22.	0.5	80.142	8.952	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-08/27/80	89	228.	272.539	1016.	2.	45425.615	213.133	25.	156.	338.	524.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-08/27/80	87	128.	148.011	438.	64.	3625.616	60.213	114.	118.	150.	210.6
00300	OXYGEN, DISSOLVED MG/L	08/27/80-08/27/80	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/24/79-08/27/80	13	7.3	7.223	7.9	6.6	0.164	0.404	6.64	6.85	7.5	7.86
00400	CONVERTED PH (STANDARD UNITS)	05/24/79-08/27/80	13	7.3	7.063	7.9	6.6	0.192	0.438	6.64	6.85	7.5	7.86
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/24/79-08/27/80	13	0.05	0.087	0.251	0.013	0.006	0.075	0.014	0.032	0.142	0.231
00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-09/10/79	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	5	20.	24.4	38.	13.	129.3	11.371	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	5	0.	3.	10.	0.	20.	4.472	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/10/80-07/10/80	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/10/80-07/10/80	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/80-07/10/80	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/80-07/10/80	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	5	45.	49.	67.	35.	218.5	14.782	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/24/79-08/19/80	5	23.	22.4	34.	7.	106.8	10.334	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/79-08/19/80	5	10.	11.12	15.	8.1	10.147	3.185	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/79-08/19/80	5	4.8	5.12	7.1	3.5	2.787	1.669	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-08/19/80	4	5.65	6.675	12.	3.4	16.009	4.001	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/10/79-08/19/80	4	0.4	0.425	0.7	0.2	0.049	0.222	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/24/79-08/19/80	5	4.	4.	6.	2.	2.5	1.581	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-08/19/80	5	35.	39.	60.	27.	189.5	13.766	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/19/80	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/19/80	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/19/80	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/19/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/19/80	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/19/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/19/80	4	3900.	3875.	5100.	2600.	1469166.667	1212.092	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/19/80	5	3100.	3212.	5100.	460.	3511720.	1873.958	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: GARI0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-08/19/80	5	50.	59.8	90.	40.	405.2	20.13	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/19/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-09/10/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-09/10/79	1	750.	750.	750.	750.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/19/80	5	210.	226.	480.	30.	31530.	177.567	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/19/80	5	360.	390.	620.	200.	29100.	170.587	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-08/19/80	5	170.	164.	310.	20.	10580.	102.859	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/19/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/19/80	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/19/80	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/19/80	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-09/10/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/19/80	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-09/10/79	1	9600.	9600.	9600.	9600.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/24/79-08/19/80	5	88.	97.4	136.	59.	1061.8	32.585	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/19/80	5	32.5	40.88	84.3	10.9	767.282	27.7	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/24/79-08/19/80	5	0.12	0.134	0.19	0.08	0.002	0.045	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-08/19/80	5	0.05	0.08	0.2	0.	0.006	0.076	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	05/24/79-08/20/80	77	460.	1071.117	9540.	27.	2408408.394	1551.905	156.4	253.5	1345.	2954.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	05/24/79-08/20/80	77	337.	1147.015	11200.	0.15	4628897.091	2151.487	47.6	112.5	1095.	3078.
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	1	110.	110.	110.	110.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	13	0	0.00	5	0	0.00	8	0	0.00						
		Other-Lo Lim.	6.5	13	0	0.00	5	0	0.00	8	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.	5	0	0.00	1	0	0.00	4	0	0.00						
		Drinking Water	250.	5	0	0.00	1	0	0.00	4	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	1	0	0.00	4	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0068

NPS Station ID: GARI0068
LAT/LON: 38.262504/ -81.023337
Agency: 112WRD
Date Created: / /
Location: PETERS CREEK NEAR LOCKWOOD, WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03191500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 05050005000700.07
RF3 Mile Point: 0.06
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	211	14.5	13.936	29.5	0.	68.38	8.269	3.	6.5	21.5	24.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	135	18.	16.441	33.5	-3.	87.683	9.364	2.	9.	23.5	28.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	218	26.	58.024	826.	0.04	12383.144	111.28	2.	6.	55.25	120.6
00065	STAGE, STREAM (FEET)	01/21/71-09/17/71	5	2.51	2.406	2.8	1.77	0.152	0.389	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/01/81-05/01/81	1	188.	188.	188.	188.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-09/19/83	54	200.	223.685	461.	64.	9402.446	96.966	119.	150.	286.25	380.
00300	OXYGEN, DISSOLVED MG/L	08/27/80-03/14/83	19	10.	10.079	14.3	5.7	4.696	2.167	6.5	8.7	11.3	13.4
00400	PH (STANDARD UNITS)	10/27/66-09/19/83	51	7.3	7.252	8.2	6.1	0.183	0.428	6.7	6.9	7.5	7.88
00400	CONVERTED PH (STANDARD UNITS)	10/27/66-09/19/83	51	7.3	7.038	8.2	6.1	0.23	0.479	6.7	6.9	7.5	7.88
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/27/66-09/19/83	51	0.05	0.092	0.794	0.006	0.015	0.122	0.013	0.032	0.126	0.2
00403	PH, LAB, STANDARD UNITS SU	06/24/82-03/14/83	3	7.4	7.4	8.	6.8	0.36	0.6	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/82-03/14/83	3	7.4	7.158	8.	6.8	0.448	0.669	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/82-03/14/83	3	0.04	0.069	0.158	0.01	0.006	0.079	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/23/81-12/10/81	2	4.7	4.7	5.3	4.1	0.72	0.849	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/27/66-03/14/83	23	32.	38.87	83.	13.	567.209	23.816	14.	16.	54.	80.8
00435	ACIDITY, TOTAL (MG/L AS CACO3)	03/21/80-08/18/82	11	0.	1.364	10.	0.	10.455	3.233	0.	0.	0.	9.
00440	BICARBONATE ION (MG/L AS HCO3)	10/27/66-12/10/81	5	32.	42.4	83.	17.	803.3	28.343	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/27/66-12/10/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/10/80-07/10/80	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	12/05/80-08/18/82	8	0.04	0.063	0.16	0.005	0.003	0.055	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	12/05/80-08/18/82	8 ##	0.008	0.011	0.03	0.005	0.	0.009	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/01/81-08/18/82	4	0.865	0.838	1.1	0.52	0.059	0.243	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/10/80-07/10/80	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/80-08/18/82	10	0.9	0.86	1.1	0.5	0.038	0.196	0.51	0.75	1.025	1.1
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/05/80-02/24/81	2 ##	0.038	0.038	0.06	0.015	0.001	0.032	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/80-07/10/80	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/05/80-08/18/82	8 ##	0.005	0.007	0.02	0.005	0.	0.005	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/27/66-03/14/83	26	50.5	53.923	110.	0.	1048.954	32.388	4.	35.75	81.75	100.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/27/66-03/14/83	22	27.	25.182	49.	0.	183.965	13.563	2.1	16.25	34.75	43.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/21/71-03/14/83	25	12.	13.556	27.	0.	58.283	7.634	2.4	8.35	20.5	24.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/80-03/14/83	20	6.2	6.53	9.9	3.5	4.586	2.142	3.66	4.725	8.9	9.59
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/80-03/14/83	20	13.5	17.055	41.	3.4	148.063	12.168	3.92	7.2	28.25	36.8
00931	SODIUM ADSORPTION RATIO	03/21/80-03/14/83	20	0.75	0.905	1.9	0.2	0.274	0.524	0.31	0.425	1.35	1.78
00932	SODIUM, PERCENT	10/16/80-10/16/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/16/80-10/16/80	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/27/66-03/14/83	26	6.	6.154	17.	2.	11.735	3.426	2.7	4.	8.	10.9

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

Parameter Inventory for Station: GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	10/27/66-03/14/83	21	45.	51.381	90.	27.	455.248	21.337	28.4	35.5	77.5	85.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/16/80-10/16/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/18/82	10	5.2	4.96	6.7	2.1	2.025	1.423	2.27	3.8	6.125	6.65
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/24/81-08/24/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/18/82	9	43.	46.556	62.	30.	116.528	10.795	30.	39.5	57.5	62.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/18/82	9 ##	0.5	0.439	0.5	0.25	0.009	0.096	0.25	0.35	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/18/82	9 ##	0.5	1.111	4.	0.5	1.424	1.193	0.5	0.5	1.5	4.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/18/82	9 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/18/82	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/24/81-08/24/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	03/21/80-03/14/83	20	605.	1301.	5800.	110.	2529177.895	1590.339	200.	270.	1675.	4540.
01045	IRON, TOTAL (UG/L AS FE)	03/21/80-03/14/83	20	650.	1348.	5900.	160.	2541195.789	1594.113	242.	315.	1675.	4630.
01046	IRON, DISSOLVED (UG/L AS FE)	03/21/80-03/14/83	20	40.5	54.35	170.	17.	1525.924	39.063	19.1	27.5	73.25	110.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/18/82	9 ##	5.	9.111	42.	5.	152.111	12.333	5.	5.	5.	42.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/24/81-08/24/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/24/81-08/24/81	1	470.	470.	470.	470.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	03/21/80-03/14/83	20	25.	71.	480.	0.	12377.895	111.256	0.	10.	95.	204.
01055	MANGANESE, TOTAL (UG/L AS MN)	03/21/80-03/14/83	20	200.	191.	500.	40.	13335.789	115.481	70.	90.	255.	356.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/80-03/14/83	20	114.	120.55	260.	20.	4682.682	68.43	31.4	55.75	177.5	209.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/18/82	9 ##	5.	6.667	20.	5.	25.	5.	5.	5.	5.	20.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/18/82	9	130.	154.556	280.	67.	5244.778	72.421	67.	92.	220.	280.
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/18/82	9 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/18/82	9 ##	2.	6.611	18.	1.5	45.361	6.735	1.5	2.	13.5	18.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/24/81-08/24/81	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/81-08/24/81	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/24/81-08/24/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/24/81-08/24/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/18/82	9	5.	5.111	10.	2.	10.361	3.219	2.	2.	8.	10.
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/24/81-08/24/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/24/81-08/24/81	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	7	700.	887.143	1700.	270.	300290.476	547.988	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	7	2.845	2.866	3.23	2.431	0.09	0.301	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			734.077								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	7	260.	438.571	1300.	100.	172080.952	414.826	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	7	2.415	2.498	3.114	2.	0.141	0.376	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			314.839								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/27/66-03/14/83	20	112.	136.15	242.	59.	3888.871	62.361	74.4	88.	207.75	232.7
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/16/80-08/18/82	8	113.	136.75	212.	71.	3278.5	57.258	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	03/21/80-08/18/82	19	12.4	21.04	84.3	3.26	426.011	20.64	3.29	8.81	32.5	48.4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/27/66-08/18/82	20	0.16	0.193	0.33	0.08	0.007	0.087	0.101	0.12	0.295	0.319
71825	ACIDITY, TOTAL (MG/L AS H)	03/21/80-03/14/83	19	0.	0.024	0.2	0.	0.003	0.051	0.	0.	0.05	0.1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/05/80-08/18/82	8	0.05	0.082	0.21	0.01	0.005	0.07	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/27/66-08/18/82	5	3.6	2.98	4.9	0.	3.667	1.915	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	12/05/80-08/18/82	5	0.03	0.049	0.1	0.015	0.001	0.035	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/24/81-08/24/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/08/80-03/14/83	10	49.	285.2	2040.	1.	394866.4	628.384	1.4	11.75	211.25	1876.4
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/08/80-06/12/81	5	77.	125.1	387.	2.5	24234.8	155.675	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	1	110.	110.	110.	110.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	19	0	0.00	10	0	0.00	9	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Other-Hi Lim.	9.	51	0	0.00	25	0	0.00	26	0	0.00						
		Other-Lo Lim.	6.5	51	2	0.04	25	2	0.08	26	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	8	0	0.00	4	0	0.00	4	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	4	0	0.00	1	0	0.00	3	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	10	0	0.00	5	0	0.00	5	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	26	0	0.00	13	0	0.00	13	0	0.00						
		Drinking Water	250.	26	0	0.00	13	0	0.00	13	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	21	0	0.00	11	0	0.00	10	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	9	0	0.00	4	0	0.00	5	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	4.	9	0	0.00	4	0	0.00	5	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	1	0.11	4	0	0.00	5	1	0.20						
		Drinking Water	5.	9	0	0.00	4	0	0.00	5	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	1300.	9	0	0.00	4	0	0.00	5	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	15.	9	1	0.11	4	0	0.00	5	1	0.20						
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	5000.	9	0	0.00	4	0	0.00	5	0	0.00						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	7	7	1.00	3	3	1.00	4	4	1.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	5	0	0.00	2	0	0.00	3	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	5	0	0.00	2	0	0.00	3	0	0.00						

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

Annual Analysis for 1945 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	4	13.75	13.25	16.5	9.	10.083	3.175	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	4	20.	19.875	25.5	14.	30.229	5.498	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	4	33.	37.25	77.	6.	1014.25	31.847	**	**	**	**

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

Annual Analysis for 1946 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	10	18.	15.75	24.5	1.5	76.292	8.735	1.8	6.	24.	24.45
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	10	19.	19.4	31.	7.5	73.6	8.579	7.65	12.375	27.625	31.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	10	1.5	2.449	11.	0.04	11.568	3.401	0.041	0.163	3.5	10.4

** - 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 1947 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	4	23.75	22.75	24.5	19.	6.75	2.598	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	4	27.5	27.5	29.5	25.5	5.333	2.309	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	4	15.	20.25	47.	4.	425.583	20.63	**	**	**	**

** - 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

Annual Analysis for 1948 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	4	16.	15.875	23.5	8.	53.563	7.319	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	4	23.25	20.875	28.	9.	82.729	9.096	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	4	28.	28.5	56.	2.	702.333	26.502	**	**	**	**

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

Annual Analysis for 1949 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	5	11.	17.3	29.5	8.5	101.575	10.078	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	5	20.	23.6	33.5	16.	61.925	7.869	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	5	33.	93.	364.	5.	23178.5	152.245	**	**	**	**

** - 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 1950 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	9	12.	12.278	21.	3.	36.944	6.078	3.	7.5	18.25	21.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	9	20.5	17.556	23.5	0.	53.403	7.308	0.	15.	22.5	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	9	93.	140.222	384.	11.	16875.444	129.906	11.	39.5	253.	384.

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

Annual Analysis for 1951 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	9	20.5	17.889	28.5	4.	79.986	8.943	4.	8.25	25.75	28.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	8	23.75	23.25	31.	11.	44.286	6.655	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	9	32.	119.778	826.	1.	71023.444	266.502	1.	4.	70.5	826.

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

Annual Analysis for 1952 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	5	5.5	9.8	23.5	4.5	65.95	8.121	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	6	11.	11.167	22.	4.5	42.667	6.532	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	6	26.5	39.833	109.	1.	1836.567	42.855	**	**	**	**

** - 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

Annual Analysis for 1953 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	3	13.5	13.667	22.	5.5	68.083	8.251	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	4	21.	20.375	23.5	16.	10.563	3.25	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	4	56.	64.25	144.	1.	4909.583	70.068	**	**	**	**

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

Annual Analysis for 1954 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	4	15.25	14.125	25.	1.	148.729	12.195	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	2	3.5	3.5	9.	-2.	60.5	7.778	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	4	23.5	24.5	50.	1.	403.	20.075	**	**	**	**

** - 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 1955 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	10	8.	11.85	26.	2.	87.781	9.369	2.1	3.375	21.875	25.85
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	10	12.	15.35	30.	3.	106.225	10.307	3.1	7.	26.125	29.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	10	22.	51.4	232.	1.	5595.6	74.804	1.2	3.75	79.25	221.9

** - 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 1956 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	9	15.	15.111	23.	0.	54.924	7.411	0.	10.75	22.	23.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	10	19.25	14.75	25.5	-3.	107.681	10.377	1.25	-1.375	23.25	25.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	10	34.	40.3	88.	4.	803.567	28.347	4.5	17.25	64.75	87.1

** - 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 1957 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	4	11.5	13.375	26.	4.5	83.229	9.123	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	6	6.75	8.917	21.	0.	87.042	9.33	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	7	59.	238.429	667.	2.	85033.619	291.605	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	9	16.	14.944	24.5	4.5	57.528	7.585	4.5	6.75	22.25	24.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	6	15.5	13.833	25.5	0.	97.767	9.888	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	9	17.	23.778	64.	3.	474.694	21.787	3.	5.	43.	64.

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

Annual Analysis for 1959 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	6	16.25	16.75	29.	6.5	98.675	9.934	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	3	25.5	22.833	32.	11.	115.583	10.751	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	6	22.	35.167	107.	2.	1592.967	39.912	**	**	**	**

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

Annual Analysis for 1960 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	7	19.	15.571	24.	1.5	81.952	9.053	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	7	27.	37.857	86.	8.	857.81	29.288	**	**	**	**

** - 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 1961 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	4	17.5	17.375	26.5	8.	67.729	8.23	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	5	22.	106.2	440.	2.	35336.2	187.979	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	6	9.75	10.917	26.	0.	106.942	10.341	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	2	21.5	21.5	25.	18.	24.5	4.95	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	7	8.	28.843	110.	0.9	1505.073	38.795	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	7	4.5	9.	19.5	0.5	57.083	7.555	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	1	23.5	23.5	23.5	23.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	7	55.	50.143	126.	1.	2259.143	47.53	**	**	**	**

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

Annual Analysis for 1964 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	3	6.	6.167	12.	0.5	33.083	5.752	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	3	15.	40.333	98.	8.	2506.333	50.063	**	**	**	**

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

Annual Analysis for 1965 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	5	21.	15.9	26.	3.	117.05	10.819	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	5	3.	3.2	5.	2.	1.7	1.304	**	**	**	**

** - 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 1966 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	8	11.75	12.625	25.	3.	75.768	8.704	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	3	8.	9.833	18.	3.5	55.083	7.422	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	7	7.	16.843	50.	0.9	346.34	18.61	**	**	**	**

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

Annual Analysis for 1967 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	5	14.5	15.	23.	7.	51.625	7.185	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	5	12.	15.38	43.	0.9	261.022	16.156	**	**	**	**

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

Annual Analysis for 1968 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	8	14.5	13.188	24.5	0.5	68.21	8.259	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	5	23.5	16.1	26.5	2.	139.675	11.818	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	8	31.	44.375	191.	2.	3784.839	61.521	**	**	**	**

** - 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 1969 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	9	13.	12.5	25.	1.	92.75	9.631	1.	2.	21.5	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	8	17.	14.813	26.5	3.	70.567	8.4	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	9	15.	23.667	52.	4.	400.25	20.006	4.	4.5	47.	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 1970 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	11	16.	13.636	26.	4.	70.655	8.406	4.	4.	19.	25.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	11	18.	14.455	30.	0.	114.673	10.709	0.4	2.	22.	29.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	11	25.	27.364	94.	2.	695.455	26.371	2.2	5.	39.	83.4

** - 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 1971 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	7	10.	11.214	22.	0.5	77.655	8.812	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	6	18.	15.	24.	2.	81.2	9.011	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	7	44.	50.571	102.	7.	972.619	31.187	**	**	**	**

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

Annual Analysis for 1979 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	1	33.	33.	33.	33.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	14	15.	15.143	26.5	2.	61.747	7.858	3.75	7.875	21.5	26.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	4	14.25	12.75	22.	0.5	98.417	9.921	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	14	56.5	136.286	649.	5.	33060.22	181.825	7.5	20.	210.5	502.

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

Annual Analysis for 1981 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	13	12.	11.885	24.	0.	66.131	8.132	0.2	3.5	18.5	22.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	13	37.	56.692	240.	6.	4582.897	67.697	7.6	12.5	65.5	206.4

** - 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 1982 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	6	18.5	15.333	23.5	0.	89.067	9.438	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	6	24.5	27.667	59.	14.	269.867	16.428	**	**	**	**

** - 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

Annual Analysis for 1983 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	2	16.25	16.25	22.5	10.	78.125	8.839	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	2	61.5	61.5	120.	3.	6844.5	82.731	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more 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: 10/01 to 4/14 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	106	6.5	7.019	20.5	0.	21.423	4.629	0.85	3.5	10.	13.15
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	76	3.5	10.48	25.5	-3.	59.07	7.686	1.	4.125	17.75	21.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	111	40.	72.768	667.	0.2	13423.499	115.86	3.	14.	72.	179.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-09/19/83	25	155.	184.24	400.	64.	6762.107	82.232	97.8	132.5	211.5	335.
00400	PH (STANDARD UNITS)	10/27/66-09/19/83	25	7.25	7.194	8.	6.1	0.184	0.429	6.56	6.9	7.4	7.84
00400	CONVERTED PH (STANDARD UNITS)	10/27/66-09/19/83	25	7.25	6.961	8.	6.1	0.241	0.491	6.56	6.9	7.4	7.84
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/27/66-09/19/83	25	0.056	0.109	0.794	0.01	0.026	0.16	0.015	0.04	0.126	0.277
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/27/66-03/14/83	12	25.	34.25	83.	14.	588.568	24.26	14.	16.	45.75	81.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/27/66-03/14/83	13	48.	51.769	110.	0.	907.859	30.131	4.8	39.5	68.	104.8
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/27/66-03/14/83	12	27.	24.083	42.	0.	159.72	12.638	2.1	12.25	31.75	40.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/21/71-03/14/83	12	11.	13.442	27.	4.	44.174	6.646	5.26	9.325	18.25	25.8
00940	CHLORIDE,TOTAL IN WATER MG/L	10/27/66-03/14/83	13	6.	6.231	13.	3.	9.026	3.004	3.	4.	8.5	11.8
00945	SULFATE, TOTAL (MG/L AS SO4)	10/27/66-03/14/83	11	46.	48.545	90.	30.	367.273	19.164	30.2	35.	54.	87.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/27/66-03/14/83	11	101.	125.818	230.	59.	3603.164	60.026	62.	84.	168.	230.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/27/66-08/18/82	10	0.14	0.174	0.31	0.08	0.007	0.085	0.082	0.108	0.25	0.31

** - Less than 9 observations ## - Computed with 50% or more 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: 4/15 to 9/30 - Station GARI0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/17/45-09/19/83	105	21.5	20.919	29.5	10.	18.448	4.295	14.5	17.75	24.	26.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/17/45-05/23/80	59	23.5	24.119	33.5	15.5	19.675	4.436	18.	20.5	28.	30.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/17/45-09/19/83	107	12.	42.729	826.	0.04	10956.58	104.674	2.	4.	35.	77.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-09/19/83	29	237.	257.69	461.	114.	9414.579	97.029	140.	180.	350.	395.
00400	PH (STANDARD UNITS)	10/27/66-09/19/83	26	7.3	7.308	8.2	6.6	0.183	0.428	6.7	6.975	7.525	7.96
00400	CONVERTED PH (STANDARD UNITS)	10/27/66-09/19/83	26	7.3	7.129	8.2	6.6	0.216	0.465	6.7	6.975	7.525	7.96
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/27/66-09/19/83	26	0.05	0.074	0.251	0.006	0.004	0.067	0.011	0.03	0.106	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/27/66-03/14/83	11	49.	43.909	82.	13.	546.891	23.386	13.6	16.	54.	80.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/27/66-03/14/83	13	59.	56.077	100.	4.	1267.41	35.601	4.	24.5	93.5	100.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/27/66-03/14/83	10	26.5	26.5	49.	0.	230.5	15.182	1.1	16.25	38.75	48.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/21/71-03/14/83	13	13.	13.662	25.	0.	76.048	8.721	0.	8.05	23.	24.6
00940	CHLORIDE,TOTAL IN WATER MG/L	10/27/66-03/14/83	13	6.	6.077	17.	2.	15.41	3.926	2.	3.5	7.5	13.8
00945	SULFATE, TOTAL (MG/L AS SO4)	10/27/66-03/14/83	10	42.5	54.5	86.	27.	582.944	24.144	27.1	36.25	80.75	85.7
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/27/66-03/14/83	9	125.	148.778	242.	78.	4405.944	66.377	78.	88.	227.	242.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/27/66-08/18/82	10	0.19	0.211	0.33	0.11	0.008	0.089	0.111	0.12	0.305	0.329

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

Station Inventory for Station: GARI0069

NPS Station ID: GARI0069
LAT/LON: 38.224865/ -81.045170
Agency: 11NPSWRD
Date Created: 08/12/95
Location: MID GAULEY
FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GARI_G02
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: OHIO
Elevation: 870
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 05050005030500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
SITE IS LOCATED ON THE GAULEY RIVER UPSTREAM OF THE MOUTH OF PETERS CREEK. IT IS LOCATED ON RIVER RIGHT APPROXIMATELY ONE-THIRD OF THE WAY UPSTREAM FROM THE WESTERN BOUNDARY OF THE NATIONAL PARK UNIT AND APPROXIMATELY 100 METERS ABOVE THE MOUTH OF PETERS CREEK.
SITE IS LOCATED ON THE ANSTED 7.5 MINUTE SERIES (TOPOGRAPHIC)

Parameter Inventory for Station: GARI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	60	18.	17.353	27.	4.	20.452	4.522	11.55	14.	20.5	22.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	60	23.	21.582	33.	7.	44.508	6.671	12.	16.	27.	29.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	59	65.	66.712	110.	38.	298.243	17.27	45.	53.	80.	95.
00300	OXYGEN, DISSOLVED MG/L	05/23/91-06/19/95	48	9.4	9.621	14.	8.1	1.307	1.143	8.4	8.775	10.075	10.69
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	61	7.3	7.205	8.2	6.	0.174	0.418	6.7	6.9	7.4	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	61	7.3	6.987	8.2	6.	0.223	0.472	6.7	6.9	7.4	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	61	0.05	0.103	1.	0.006	0.021	0.146	0.02	0.04	0.126	0.2
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/26/92-04/13/95	10	8.5	8.5	13.	5.	5.833	2.415	5.1	6.	10.	12.7
01045	IRON, TOTAL (UG/L AS FE)	05/26/92-04/13/95	10	95.	264.	800.	50.	84.	290.	51.	68.	550	790.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/26/92-04/13/95	10	70.	92.	200.	40.	3.	59.	40.	55.	118.	200.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/26/92-04/13/95	10	30.	72.	300.	10.	10.	98.	10.	18.	88.	290.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/23/91-06/19/95	28	19.	26.821	93.	1.	639.411	25.287	2.9	6.25	45.75	72.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/23/91-06/19/95	28	1.278	1.186	1.968	0.	0.277	0.526	0.46	0.795	1.66	1.859
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.356								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/30/92-06/19/95	50	2.8	4.672	22.	1.	21.399	4.626	1.2	1.65	5.775	10.9

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

EPA Water Quality Criteria Analysis for Station: GARI0069

				Total	Exceed	Prop.	----------10/01-4/14----------			----------4/15-9/30----------			----------n/a----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	48	0	0.00	8	0	0.00	40	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	61	0	0.00	13	0	0.00	48	0	0.00						
		Other-Lo Lim.	6.5	61	4	0.07	13	0	0.00	48	4	0.08						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	28	0	0.00	4	0	0.00	24	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	50	0	0.00	10	0	0.00	40	0	0.00						

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

Annual Analysis for 1991 - Station GARI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	10	20.	20.45	27.	16.	11.803	3.436	16.1	17.75	22.75	26.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	10	26.4	24.39	32.	12.	44.037	6.636	12.6	18.75	29.75	32.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	9	80.	83.	110.	50.	372.25	19.294	50.	67.5	98.5	110.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	12	7.1	7.183	7.7	6.8	0.094	0.307	6.83	6.925	7.525	7.67
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	12	7.089	7.098	7.7	6.8	0.102	0.32	6.83	6.925	7.525	7.67
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	12	0.082	0.08	0.158	0.02	0.002	0.045	0.022	0.031	0.119	0.149

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

Annual Analysis for 1992 - Station GARI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	14	18.75	17.929	23.5	8.	20.571	4.536	10.	14.	21.5	23.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	14	26.5	24.643	33.	14.	32.247	5.679	14.5	20.75	28.25	32.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	14	70.	67.357	90.	40.	208.093	14.425	45.	52.75	80.25	86.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	13	6.8	6.962	8.	6.	0.376	0.613	6.12	6.5	7.45	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	13	6.8	6.642	8.	6.	0.486	0.697	6.12	6.5	7.45	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	13	0.158	0.228	1.	0.01	0.075	0.274	0.011	0.036	0.316	0.8

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

Annual Analysis for 1993 - Station GARI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	14	16.25	17.214	23.	11.	15.527	3.94	12.	14.	22.	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	14	22.5	20.357	33.	8.	49.478	7.034	9.5	14.	25.	30.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	14	64.	68.571	110.	49.	323.802	17.995	49.5	54.5	74.	105.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	14	7.35	7.257	7.4	6.6	0.047	0.217	6.85	7.2	7.4	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	14	7.347	7.186	7.4	6.6	0.053	0.229	6.85	7.2	7.4	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	14	0.045	0.065	0.251	0.04	0.003	0.055	0.04	0.04	0.063	0.165

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

Annual Analysis for 1994 - Station GARI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	16	17.5	16.406	21.	4.	21.274	4.612	8.55	14.125	20.	21.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	16	20.5	20.	29.	11.	30.667	5.538	11.7	16.	23.75	28.3
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	16	58.	57.063	82.	38.	158.463	12.588	40.1	46.25	68.25	75.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	16	7.4	7.381	8.2	6.8	0.168	0.41	6.87	6.95	7.7	7.99
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	16	7.4	7.222	8.2	6.8	0.195	0.442	6.87	6.95	7.7	7.99
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	16	0.04	0.06	0.158	0.006	0.002	0.049	0.011	0.02	0.114	0.136

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

Annual Analysis for 1995 - Station GARI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	6	12.85	13.7	21.	7.	23.36	4.833	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	6	18.	16.833	26.	7.	60.167	7.757	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	6	61.	62.167	86.	43.	194.567	13.949	**	**	**	**

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

Annual Analysis for 1995 - Station GARI0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	6	7.35	7.183	7.4	6.7	0.094	0.306	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	6	7.347	7.084	7.4	6.7	0.106	0.325	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	6	0.045	0.082	0.2	0.04	0.004	0.066	**	**	**	**

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

Station Inventory for Station: GARI0070

NPS Station ID: GARI0070
LAT/LON: 38.223448/ -81.047253
Agency: 11COEHUN
Date Created: 09/04/93
Location: GAULEY RIVER
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 1SUMW0106
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: Yes
RMI-Miles: 0953.80 0715.40 096.70 016.50
HUC: 05050005
Depth of Water: 5
Aquifer:
Major Basin: OHIO RIVER
Elevation: 0
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 05050005030500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
LOCATED IN WEST VIRGINIA ON GAULEY RIVER BELOW PETERS CREEK. SAMPLES WERE TAKEN FROM RIGHT DESCENDING BANK WITH AN AUTOMATIC TEMP. RECORDER. TEMPERATURE WAS MONITORED DURING INITIAL WHITE WATER RELEASES FROM SUMMERSVILLE DAM. SAMPLED BY CORPS OF ENGINEERS HUNTINGTON WV ANSTED WV QUAD

Parameter Inventory for Station: GARI0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/85-09/10/85	235	20.3	20.349	25.7	18.8	1.012	1.006	19.2	19.6	20.9	21.8

** - 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

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

Station Inventory for Station: GARI0071

NPS Station ID: GARI0071 | LAT/LON: 38.226892/ -81.047420 | Agency: 11NPSWRD | Date Created: 08/12/95
Location: PETERS CREEK | FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): GARI_G03
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 05050005 | Depth of Water: 0 | Aquifer:
Major Basin: OHIO | Elevation: 910 | Water Body Id:
Minor Basin: KANAWHA RIVER | ECO Region:
RF1 Index: 05050005 | RF1 Mile Point: 0.000 | Distance from RF1: 3.50 | On/Off RF1:
RF3 Index: 05050005030500.00 | RF3 Mile Point: 0.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
SITE IS LOCATED ON PETERS CREEK UPSTREAM OF THE MOUTH (CONFLUENCE WITH GAULEY RIVER). IT IS APPROXIMATELY 500 FEET UPSTREAM OF THE MOUTH AND ON CREEK LEFT. SITE IS LOCATED ON THE ANSTED 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. IT IS THE RESPONSIBILITY OF NEW RIVER GORGE NATIONAL RIVER

Parameter Inventory for Station: GARI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	61	18.	17.102	27.	1.7	31.753	5.635	11.	12.5	21.5	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	61	22.	20.472	32.	2.5	39.983	6.323	11.2	15.5	25.	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	59	330.	323.915	535.	80.	12423.769	111.462	171.	250.	400.	490.
00300	OXYGEN, DISSOLVED MG/L	05/23/91-06/19/95	48	9.05	9.367	13.	6.2	1.79	1.338	7.8	8.425	10.175	11.26
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	61	8.	7.857	8.7	6.5	0.2	0.447	7.12	7.7	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	61	8.	7.557	8.7	6.5	0.292	0.54	7.12	7.7	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	61	0.01	0.028	0.316	0.002	0.003	0.05	0.005	0.006	0.02	0.076
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/26/92-04/13/95	10	45.	45.5	95.	7.	739.167	27.188	7.7	23.75	62.	93.5
01045	IRON, TOTAL (UG/L AS FE)	05/26/92-04/13/95	10	200.	2162.	18000.	30.	31304.	5595.	36.	98.	875.	16400.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/26/92-04/13/95	10	95.	101.	200.	40.	3.	56.	41.	58.	125.	200.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/26/92-04/13/95	10	40.	65.	300.	10.	7.	85.	11.	20.	63.	277.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/91-06/19/95	32	111.	270.281	1867.	18.	188285.822	433.919	34.8	42.	249.75	1149.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/07/91-06/19/95	32	2.045	2.088	3.271	1.255	0.263	0.513	1.54	1.622	2.397	3.059
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			122.342								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/30/92-06/19/95	50	3.9	14.84	240.	1.4	1451.242	38.095	1.71	2.875	6.575	31.2

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

EPA Water Quality Criteria Analysis for Station: GARI0071

				Total	Exceed	Prop.	----------10/01-4/14----------			----------4/15-9/30----------			----------n/a----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	48	0	0.00	8	0	0.00	40	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	61	0	0.00	13	0	0.00	48	0	0.00						
		Other-Lo Lim.	6.5	61	1	0.02	13	1	0.08	48	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	32	10	0.31	4	0	0.00	28	10	0.36						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	50	3	0.06	10	1	0.10	40	2	0.05						

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

Annual Analysis for 1991 - Station GARI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	11	21.	19.364	25.	11.	27.055	5.201	11.	15.	24.	24.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	11	24.	22.709	32.	12.	36.737	6.061	12.6	18.	27.	31.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	9	340.	346.667	460.	260.	5056.25	71.107	260.	282.5	412.5	460.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	12	7.75	7.633	8.1	6.5	0.246	0.496	6.62	7.5	8.075	8.1
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	12	7.747	7.29	8.1	6.5	0.375	0.612	6.62	7.5	8.075	8.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	12	0.018	0.051	0.316	0.008	0.008	0.089	0.008	0.008	0.032	0.259

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

Annual Analysis for 1992 - Station GARI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	14	19.	17.714	24.	10.	19.797	4.449	10.5	12.875	21.	22.75
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	14	24.	22.536	28.	11.	21.172	4.601	13.5	20.125	26.	27.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	14	330.	298.286	490.	150.	8792.681	93.769	175.	208.25	355.	435.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	13	7.8	7.815	8.7	7.	0.275	0.524	7.04	7.35	8.25	8.58
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	13	7.8	7.552	8.7	7.	0.35	0.591	7.04	7.35	8.25	8.58
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	13	0.016	0.028	0.1	0.002	0.001	0.031	0.003	0.006	0.045	0.092

** - Less than 9 observations ## - Computed with 50% or 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 GARI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	14	17.	17.014	27.	1.7	54.411	7.376	4.85	11.75	23.5	26.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	14	22.	20.143	30.	8.	50.901	7.135	8.	14.	26.25	28.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	14	372.5	369.143	535.	160.	14806.747	121.683	192.5	260.25	486.5	522.5
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	14	8.15	8.129	8.4	7.8	0.027	0.164	7.85	8.	8.225	8.35
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	14	8.147	8.099	8.4	7.8	0.028	0.167	7.85	8.	8.225	8.35
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	14	0.007	0.008	0.016	0.004	0.	0.003	0.004	0.006	0.01	0.014

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

Annual Analysis for 1994 - Station GARI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	16	17.5	16.3	23.	2.3	28.667	5.354	8.39	12.25	20.875	22.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	16	20.5	18.844	28.	2.5	41.057	6.408	9.85	14.25	24.	25.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	16	345.5	319.25	520.	80.	18535.133	136.144	96.1	192.75	429.	499.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	16	7.95	7.825	8.4	6.7	0.217	0.465	6.98	7.55	8.175	8.33
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	16	7.947	7.524	8.4	6.7	0.314	0.56	6.98	7.55	8.175	8.33
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	16	0.011	0.03	0.2	0.004	0.002	0.049	0.005	0.007	0.029	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

Annual Analysis for 1995 - Station GARI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/07/91-06/19/95	6	13.1	13.867	19.	7.	21.047	4.588	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/07/91-06/19/95	6	18.5	16.667	25.	7.	46.667	6.831	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/21/91-06/19/95	6	266.	256.5	333.	175.	5039.9	70.992	**	**	**	**

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

Annual Analysis for 1995 - Station GARI0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	6	7.9	7.85	8.3	7.2	0.143	0.378	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	6	7.9	7.695	8.3	7.2	0.172	0.415	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	6	0.013	0.02	0.063	0.005	0.	0.022	**	**	**	**

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

Station Inventory for Station: GARI0072

NPS Station ID: GARI0072
LAT/LON: 38.223059/ -81.120253
Agency: 11NPSWRD
Date Created: 08/12/95
Location: SOUTH SIDE SWISS
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): GARI_G04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: OHIO
Elevation: 710
Water Body Id:
Minor Basin: KANAWHA RIVER
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.50
On/Off RF1:
RF3 Index: 05050005030500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:
SITE IS LOCATED ON THE GAULEY RIVER AT SOUTH SIDE SWISS. IT IS UPSTREAM OF THE COMMUNITY OF SWISS AND APPROXIMATELY 200 FEET DOWNSTREAM OF THE MOUTH OF LAUREL CREEK AND ON RIVER RIGHT. SITE IS LOCATED ON THE ANSTED 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. IT IS THE RESPONSIBILITY OF NEW RIVER GORGE NATIONAL RIVER

Parameter Inventory for Station: GARI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	60	19.	18.108	28.	2.	23.433	4.841	11.65	15.	21.75	23.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	59	23.	22.297	35.	1.	42.912	6.551	12.	18.	27.	29.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/91-06/19/95	58	72.	77.31	162.	45.	512.955	22.649	50.	60.	93.5	104.1
00300	OXYGEN, DISSOLVED MG/L	05/23/91-06/19/95	47	9.	9.209	13.8	5.2	1.692	1.301	8.1	8.6	9.5	10.56
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	60	7.3	7.265	9.2	6.3	0.185	0.43	6.7	7.1	7.5	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	60	7.3	7.076	9.2	6.3	0.221	0.471	6.7	7.1	7.5	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	60	0.05	0.084	0.501	0.001	0.009	0.094	0.025	0.032	0.079	0.2
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	05/26/92-04/13/95	10	10.	10.4	17.	8.	7.378	2.716	8.	8.	11.25	16.5
01045	IRON, TOTAL (UG/L AS FE)	05/26/92-04/13/95	10	150.	214.	700.	20.	52.	228.	21.	30.	350.	680.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/26/92-04/13/95	10	60.	55.	90.	30.	0.	22.	30.	30.	73.	89.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/26/92-04/13/95	10	35.	47.	100.	10.	1.	37.	10.	10.	85.	100.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/23/91-06/19/95	26	14.5	28.	130.	2.	1081.52	32.886	3.	4.75	39.25	77.6
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/23/91-06/19/95	26	1.159	1.161	2.114	0.301	0.282	0.531	0.477	0.675	1.587	1.883
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.497								
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/30/92-06/19/95	49	2.8	5.09	23.	1.2	22.034	4.694	1.4	1.9	6.95	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: GARI0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	47	0	0.00	8	0	0.00	39	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	60	1	0.02	13	1	0.08	47	0	0.00						
		Other-Lo Lim.	6.5	60	3	0.05	13	1	0.08	47	2	0.04						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	26	0	0.00	3	0	0.00	23	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	49	0	0.00	10	0	0.00	39	0	0.00						

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

Annual Analysis for 1991 - Station GARI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	11	21.	21.545	28.	16.	15.673	3.959	16.2	18.	25.	27.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	10	23.7	23.55	34.	12.	34.949	5.912	12.6	20.325	27.25	33.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/91-06/19/95	9	100.	93.	110.	50.	466.	21.587	50.	81.	107.5	110.
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	12	7.1	7.092	7.7	6.5	0.164	0.406	6.53	6.725	7.525	7.67
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	12	7.1	6.935	7.7	6.5	0.191	0.437	6.53	6.725	7.525	7.67
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	12	0.079	0.116	0.316	0.02	0.009	0.097	0.022	0.031	0.189	0.297

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

Annual Analysis for 1992 - Station GARI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	13	19.	18.231	24.	9.	19.359	4.4	10.6	14.5	21.5	23.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	13	25.	23.538	29.	15.	19.561	4.423	15.	21.5	26.5	28.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/91-06/19/95	13	80.	75.308	99.	50.	244.397	15.633	51.2	59.5	85.5	97.4
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	12	7.1	7.017	7.7	6.3	0.192	0.439	6.33	6.625	7.375	7.64
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	12	7.1	6.817	7.7	6.3	0.236	0.486	6.33	6.625	7.375	7.64
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	12	0.079	0.152	0.501	0.02	0.024	0.156	0.023	0.042	0.238	0.47

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

Annual Analysis for 1993 - Station GARI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	14	17.	18.143	23.5	11.	17.401	4.171	12.5	14.875	23.	23.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	14	25.	22.857	35.	7.	63.824	7.989	8.5	17.75	28.5	32.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/91-06/19/95	14	78.5	86.	162.	58.	864.154	29.396	59.	65.	94.25	147.5
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	14	7.35	7.336	7.6	7.	0.035	0.186	7.	7.2	7.5	7.55
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	14	7.347	7.296	7.6	7.	0.036	0.191	7.	7.2	7.5	7.55
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	14	0.045	0.051	0.1	0.025	0.001	0.024	0.028	0.032	0.063	0.1

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

Annual Analysis for 1994 - Station GARI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	16	18.5	17.125	22.5	2.	26.883	5.185	7.95	15.	20.75	22.15
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	16	22.5	21.188	31.	1.	50.696	7.12	9.4	18.	24.75	29.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/91-06/19/95	16	65.	64.875	100.	45.	231.583	15.218	47.8	51.25	70.75	91.6
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	16	7.45	7.488	9.2	6.7	0.29	0.539	6.84	7.225	7.6	8.22
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	16	7.447	7.291	9.2	6.7	0.332	0.576	6.84	7.225	7.6	8.22
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	16	0.036	0.051	0.2	0.001	0.002	0.049	0.011	0.025	0.06	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 1995 - Station GARI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/23/91-06/19/95	6	13.5	14.083	21.	7.	24.242	4.924	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/91-06/19/95	6	22.5	19.167	25.	10.	46.167	6.795	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/91-06/19/95	6	69.5	71.	104.	46.	366.4	19.142	**	**	**	**

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

Annual Analysis for 1995 - Station GARI0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/23/91-06/19/95	6	7.35	7.35	7.6	7.1	0.035	0.187	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/23/91-06/19/95	6	7.347	7.317	7.6	7.1	0.036	0.191	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/23/91-06/19/95	6	0.045	0.048	0.079	0.025	0.	0.02	**	**	**	**

** - 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: GARI0073

NPS Station ID: GARI0073
LAT/LON: 38.282503/ -81.135559
Agency: 112WRD
Date Created: 11/07/81
Location: R67.0 TWENTYMILE CR NR VAUGHAN WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381657081080801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 2.40
On/Off RF1:
RF3 Index: 05050005005906.64
RF3 Mile Point: 7.18
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/81-03/14/83	3	20.	18.	26.	8.	84.	9.165	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/23/81-03/14/83	3	4.	65.667	191.	2.	11782.333	108.546	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/81-03/14/83	3	71.	69.	85.	51.	292.	17.088	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/25/81-03/14/83	2	9.1	9.1	10.8	7.4	5.78	2.404	**	**	**	**
00400	PH (STANDARD UNITS)	07/23/81-03/14/83	3	7.5	7.2	7.5	6.6	0.27	0.52	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/23/81-03/14/83	3	7.5	6.98	7.5	6.6	0.343	0.586	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/81-03/14/83	3	0.032	0.105	0.251	0.032	0.016	0.127	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/81-03/14/83	3	7.1	7.033	7.5	6.5	0.253	0.503	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/81-03/14/83	3	7.1	6.846	7.5	6.5	0.306	0.553	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/81-03/14/83	3	0.079	0.142	0.316	0.032	0.023	0.152	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	3	12.	10.	14.	4.	28.	5.292	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/81-08/25/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/25/81-08/25/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/81-08/25/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	3	20.	19.667	23.	16.	12.333	3.512	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/25/81-03/14/83	2	10.5	10.5	12.	9.	4.5	2.121	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/81-03/14/83	3	3.9	3.7	4.5	2.7	0.84	0.917	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/81-03/14/83	3	2.4	2.467	2.8	2.2	0.093	0.306	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/81-03/14/83	3	3.6	3.167	4.8	1.1	3.563	1.888	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/23/81-03/14/83	3	0.4	0.333	0.5	0.1	0.043	0.208	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/81-03/14/83	3	4.	3.333	4.	2.	1.333	1.155	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/81-03/14/83	3	14.	14.	15.	13.	1.	1.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/25/81-08/25/81	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/25/81-08/25/81	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/25/81-08/25/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/25/81-08/25/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/25/81-08/25/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/25/81-08/25/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/23/81-03/14/83	3	460.	370.	480.	170.	30100.	173.494	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/23/81-03/14/83	3	510.	423.333	540.	220.	31233.333	176.73	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/23/81-03/14/83	3	50.	55.	84.	31.	721.	26.851	**	**	**	**

** - Less than 9 observations ## - 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: GARI0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/25/81-08/25/81	1	420.	420.	420.	420.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	07/23/81-03/14/83	3	0.	3.333	10.	0.	33.333	5.774	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/81-03/14/83	3	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/81-03/14/83	3	20.	18.	24.	10.	52.	7.211	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/25/81-08/25/81	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/25/81-08/25/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/25/81-08/25/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/25/81-08/25/81	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/25/81-08/25/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/25/81-08/25/81	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/81-03/14/83	2	42.	42.	43.	41.	2.	1.414	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/25/81-08/25/81	1	43.	43.	43.	43.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/23/81-08/25/81	2	0.255	0.255	0.41	0.1	0.048	0.219	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/81-08/25/81	2	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/25/81-08/25/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/25/81-08/25/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/25/81-08/25/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/23/81-03/14/83	2	19.	19.	37.	1.	648.	25.456	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/23/81-07/23/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GARI0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	1	0.33	1	1	1.00	2	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	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.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0074

NPS Station ID: GARI0074
LAT/LON: 38.226670/ -81.154170
Agency: 21WV7IWQ
Date Created: / /
Location: Gauley River at Beech Glen, W. Va.
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/FISH/STREAM/TISSUE/BIO
STORET Station ID(s): 550441 /KG-08 /WVEPAN0441
RMI-Indexes: 1021500 007720 15040 2370
Within Park Boundary: No
RMI-Miles: 0953.80 0715.40 096.70 007.90
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin: Ohio River
Elevation: 700
Water Body Id: WVK-82
Minor Basin: Kanawha River / Gauley River
ECO Region: 69M
RF1 Index: 05050005003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 05050005017900.00
RF3 Mile Point: 4.34
Distance from RF3: 0.05
On/Off RF3:
Description:
Gauley River at Secondary Route 39/1 Highway Bridge in the Town of Beech Glen, W.Va. across the river from Town of Jodie, W. Va.
A State of West Virginia Water Quality Sampling Station maintained by Division of Water Resources, W. Va. Dept. of Natural Resources,
Charleston, West Virginia (Sampling done monthly)

Parameter Inventory for Station: GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	360	16.45	14.848	29.	0.	64.497	8.031	3.11	7.1	22.	24.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	110	55.3	53.811	79.	32.	185.37	13.615	34.1	41.	66.1	70.
00012	EVAPORATION TEMPERATURE (48 INCHPAN) DEG CENT	07/15/74-07/15/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00035	WIND VELOCITY (MILES PER HOUR)	07/25/91-06/22/95	43 ##	2.5	3.512	10.	0.5	5.411	2.326	1.	2.5	5.	6.5
00060	FLOW, STREAM, MEAN DAILY CFS	02/05/69-08/02/79	91	1990.	2708.11	15000.	196.	7669189.81	2769.33	416.	825.	3490.	5632.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	200	1195.	2486.56	22200.	3.	13728828.901	3705.243	110.4	344.25	3135.	5580.
00065	STAGE, STREAM (FEET)	01/27/92-04/05/95	30	2.82	3.53	10.24	1.52	4.612	2.148	1.764	1.983	4.353	5.846
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	197	10.	17.279	220.	0.	836.646	28.925	2.	4.	15.	37.
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	199	7.	12.013	60.	2.5	130.726	11.434	2.5	5.	15.	30.
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	07/17/67-02/18/75	29	1.	1.366	3.	1.	0.277	0.527	1.	1.	2.	2.
00086	ODOR (THRESHOLD NUMBER AT 60 DEG C)	01/18/71-10/09/73	19	1.4	1.737	3.	1.	0.582	0.763	1.	1.	2.	3.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	130	1.4	2.895	66.	1.	42.858	6.547	1.	1.4	2.	3.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	228	73.	80.219	850.	25.	3242.075	56.939	50.	60.	88.75	107.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	214	63.5	68.813	778.	26.	2704.303	52.003	48.	55.	73.	87.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	188	9.95	10.071	14.8	6.6	3.422	1.85	7.79	8.525	11.6	12.51
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	268	9.	9.615	15.	6.3	4.835	2.199	7.1	7.9	11.3	13.2
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	324	94.	92.999	123.	8.8	80.574	8.976	84.	89.625	97.75	101.45
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	321	0.8	1.009	4.9	0.	0.598	0.773	0.2	0.4	1.45	2.08
00340	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	154	4.	6.719	52.	0.2	44.901	6.701	2.	2.	8.	15.5
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	402	7.	7.016	8.9	4.2	0.236	0.485	6.4	6.7	7.3	7.6
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	402	7.	6.497	8.9	4.2	0.505	0.711	6.4	6.7	7.3	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	402	0.1	0.318	63.096	0.001	9.891	3.145	0.025	0.05	0.2	0.398
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	249	6.7	6.728	12.	1.	0.341	0.584	6.3	6.5	6.9	7.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	249	6.7	3.396	12.	1.	11.489	3.39	6.3	6.5	6.9	7.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	249	0.2	401.85	100000.	0.	40160445.868	6337.227	0.079	0.126	0.316	0.501
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	463	11.	12.343	64.	1.	38.386	6.196	7.	9.	14.	19.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	112	3.	3.	9.	1.	2.414	1.554	1.	2.	4.	5.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	80	2.	2.413	17.	1.	4.549	2.133	1.	2.	3.	3.
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	252	53.	69.194	470.	4.	3844.213	62.002	33.6	43.	68.	98.4
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	180	39.5	41.617	171.	3.	450.506	21.225	24.	30.	47.75	61.9
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	422	7.	17.839	340.	0.	1629.77	40.37	1.	3.	15.	36.4

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Parameter Inventory for Station: GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/19/73-11/20/74	7	0.12	0.132	0.22	0.015	0.008	0.09	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	126	0.07	0.081	0.36	0.005	0.004	0.061	0.02	0.04	0.1	0.16
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/17/67-09/17/74	52	0.33	0.428	2.4	0.025	0.154	0.392	0.09	0.243	0.508	0.759
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	245	0.17	0.216	1.24	0.005	0.033	0.182	0.05	0.11	0.27	0.41
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	241	0.52	0.531	1.25	0.005	0.037	0.192	0.302	0.39	0.64	0.758
00655	PHOSPHATE, POLY (MG/L AS PO4)	01/04/79-06/26/79	6	0.025	0.026	0.04	0.007	0.	0.013	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	01/20/75-12/04/75	12	0.04	0.056	0.22	0.01	0.004	0.059	0.013	0.02	0.058	0.19
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	245	0.02	0.038	1.244	0.001	0.012	0.112	0.005	0.01	0.035	0.061
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	102	5.	5.441	14.	0.	6.977	2.641	2.	4.	7.	9.7
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/19/73-08/06/84	45 ##	0.001	0.012	0.5	0.001	0.006	0.074	0.001	0.001	0.001	0.002
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	340	22.	24.903	208.	0.	229.486	15.149	14.	18.	30.	38.
00929	SODIUM, TOTAL (MG/L AS NA)	01/18/71-09/17/84	54	2.	2.111	4.	1.1	0.39	0.624	1.45	1.6	2.2	3.05
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/67-10/26/70	27	2.5	2.489	4.4	1.	0.597	0.773	1.42	2.	3.	3.48
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/67-10/26/70	27	0.8	0.856	2.	0.5	0.105	0.324	0.58	0.7	0.9	1.28
00937	POTASSIUM, TOTAL MG/L AS K)	01/18/71-09/17/84	53	0.95	0.952	2.9	0.	0.118	0.344	0.67	0.8	1.	1.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	334	3.	4.21	300.	0.	275.112	16.587	0.	1.	4.	6.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	342	14.	15.225	240.	0.	208.058	14.424	5.	12.	18.	23.7
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	148	0.05	0.086	1.	0.005	0.019	0.139	0.03	0.04	0.07	0.16
01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/71-09/17/84	46 ##	1.	2.145	17.	0.25	8.448	2.907	0.85	1.	2.	6.
01007	BARIUM, TOTAL (UG/L AS BA)	07/15/75-09/17/84	26	35.	51.038	540.	10.	10090.438	100.451	20.	20.	40.	53.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/15/68-10/26/70	18 ##	1.	2.083	16.	0.5	13.272	3.643	0.5	0.5	2.	6.1
01027	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	137	2.	2.405	24.	0.5	7.726	2.78	0.5	1.	3.	6.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	145 ##	0.5	1.917	51.	0.5	20.073	4.48	0.5	0.5	2.	4.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/17/74-09/17/84	61 ##	2.	2.59	10.	2.	2.679	1.637	2.	2.	2.	4.
01042	COPPER, TOTAL (UG/L AS CU)	01/18/71-09/17/84	46	3.	3.935	13.	0.5	9.651	3.107	1.	1.75	6.25	9.
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	216	280.	387.127	4800.	7.5	199098.287	446.204	73.5	170.	460.	734.5
01049	LEAD, DISSOLVED (UG/L AS PB)	11/06/67-06/22/95	30	25.	73.402	650.	0.25	17525.897	132.385	0.61	8.	70.	268.
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	151 ##	10.	19.953	320.	0.5	1124.839	33.539	5.	10.	20.	39.2
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	210	43.	52.541	520.	1.7	2558.244	50.579	10.	24.	64.	107.2
01067	NICKEL, TOTAL (UG/L AS NI)	11/27/72-09/17/84	30 ##	5.	7.333	20.	5.	11.609	3.407	5.	5.	10.	10.
01075	SILVER, DISSOLVED (UG/L AS AG)	07/09/68-10/26/70	17 ##	2.5	3.147	10.	1.	4.805	2.192	1.8	2.	2.5	6.8
01077	SILVER, TOTAL (UG/L AS AG)	01/18/71-09/17/84	44 ##	1.	1.786	15.	0.5	5.838	2.416	1.	1.	2.	2.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/15/68-05/15/68	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/18/71-09/17/84	71	16.	30.324	190.	3.	1306.736	36.149	6.	9.	38.	69.2
01097	ANTIMONY, TOTAL (UG/L AS SB)	06/17/75-09/17/84	27 ##	20.	23.426	60.	2.5	149.59	12.231	10.	20.	20.	40.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	170	182.5	374.076	11258.	20.	992446.686	996.216	55.5	100.	360.	745.
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/72-03/19/84	29	1.	1.224	3.	0.5	0.885	0.941	0.5	0.5	2.	3.
01501	ALPHA, TOTAL	10/06/77-04/28/83	22 ##	0.1	0.105	0.3	0.05	0.005	0.071	0.05	0.05	0.1	0.235
01502	ALPHA, TOTAL, COUNTING ERROR	10/06/77-05/21/81	5	0.2	0.16	0.2	0.1	0.003	0.055	**	**	**	**
03501	BETA, TOTAL	10/06/77-04/28/83	22	1.	1.048	2.	0.3	0.189	0.434	0.485	0.9	1.	2.
03502	BETA, TOTAL, COUNTING ERROR	10/06/77-04/28/83	21	0.4	0.367	0.6	0.3	0.005	0.073	0.3	0.3	0.4	0.4
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	168	500.	1623.69	68000.	50.	30940338.395	5562.404	99.	200.	1200.	3330.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	168	2.699	2.709	4.833	1.699	0.377	0.614	1.995	2.301	3.079	3.522
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			511.297								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	392	50.	986.906	46000.	0.	15567025.871	3945.507	5.	20.	207.5	1500.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	392	1.699	1.902	4.663	0.	0.785	0.886	0.699	1.301	2.317	3.176
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			79.787								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/17/67-10/09/73	51	10.	33.137	370.	5.	4559.961	67.527	5.	5.	40.	68.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/17/67-10/09/73	51	1.	1.155	2.568	0.699	0.247	0.497	0.699	0.699	1.602	1.832
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			14.29								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/05/82-10/15/84	23 ##	0.5	0.848	4.	0.5	0.601	0.775	0.5	0.5	1.	1.6
34670	PCB - 1260 WET WGTTISMG/KG	10/10/78-10/10/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/18/78-10/18/78	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/18/78-10/18/78	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
39069	CHLORDANE-NONACHLOR,CIS ISO,TISSUE WET WGT(UG/G)	10/18/78-10/18/78	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
39072	CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	10/18/78-10/18/78	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/18/78-10/18/78	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/18/78-10/18/78	2 ##	0.018	0.018	0.03	0.005	0.	0.018	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/18/78-10/18/78	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39703	HEXACHLOROBENZENE IN FISH OR ANIMALS WET WGT UG/K	10/10/78-10/10/78	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	118	39.	41.831	152.	9.	206.125	14.357	31.9	35.	45.	54.3
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	103	0.009	0.053	3.	0.001	0.095	0.309	0.002	0.005	0.018	0.045
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	183 ##	0.5	3.101	36.	0.5	26.008	5.1	0.5	0.5	4.	10.

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

Parameter Inventory for Station: GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900	MERCURY, TOTAL (UG/L AS HG)	10/26/70-09/17/84	79 ##	0.1	0.163	0.7	0.05	0.027	0.166	0.05	0.05	0.2	0.4
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/18/78-10/18/78	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/18/78-10/18/78	2	1.9	1.9	2.1	1.7	0.08	0.283	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/18/78-10/18/78	2	0.68	0.68	0.68	0.68	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/18/78-10/18/78	2	1.6	1.6	1.8	1.4	0.08	0.283	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/18/78-10/18/78	2	0.19	0.19	0.23	0.15	0.003	0.057	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/18/78-10/18/78	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
81615	NUMBER OF DIFFERENT SPECIES IN THE SAMPLE	10/18/78-10/18/78	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	120	7.	10.315	75.	1.	117.56	10.842	3.	4.5	13.	18.

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

EPA Water Quality Criteria Analysis for Station: GARI0074

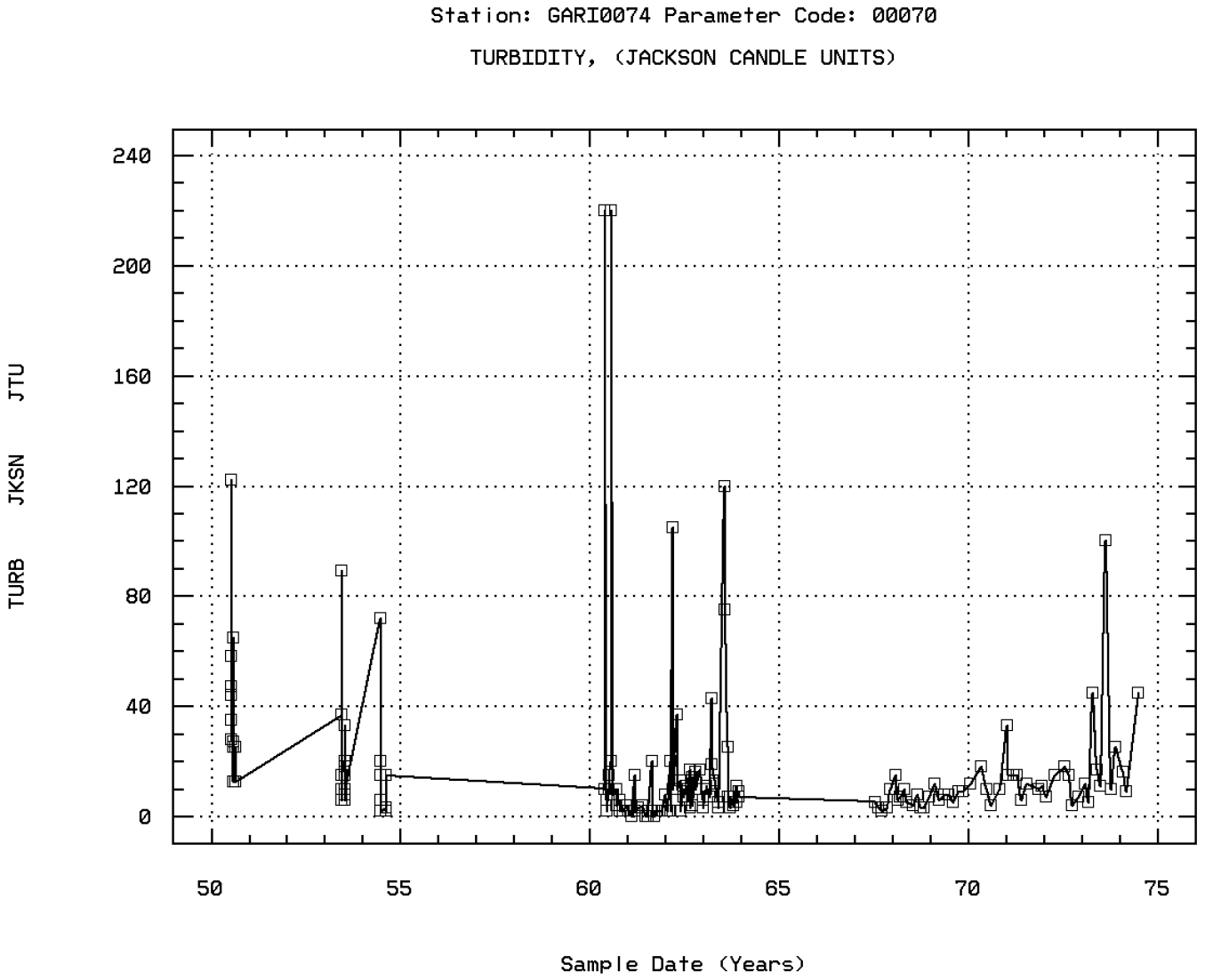
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	197	13	0.07	71	1	0.01	126	12	0.10						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	188	0	0.00	103	0	0.00	85	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	268	0	0.00	104	0	0.00	164	0	0.00						
00400	PH	Other-Hi Lim.	9.	402	0	0.00	177	0	0.00	225	0	0.00						
		Other-Lo Lim.	6.5	402	63	0.16	177	37	0.21	225	26	0.12						
00403	PH, LAB	Other-Hi Lim.	9.	249	1	0.00	137	1	0.01	112	0	0.00						
		Other-Lo Lim.	6.5	249	63	0.25	137	43	0.31	112	20	0.18						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	52	0	0.00	27	0	0.00	25	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	241	0	0.00	132	0	0.00	109	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	44 &	0	0.00	22	0	0.00	22	0	0.00						
		Drinking Water	0.2	44 &	0	0.00	22	0	0.00	22	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	334	0	0.00	142	0	0.00	192	0	0.00						
		Drinking Water	250.	334	1	0.00	142	1	0.01	192	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	342	0	0.00	187	0	0.00	155	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	148	0	0.00	80	0	0.00	68	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	46	0	0.00	25	0	0.00	21	0	0.00						
		Drinking Water	50.	46	0	0.00	25	0	0.00	21	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	26	0	0.00	13	0	0.00	13	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	17 &	1	0.06	7	0	0.00	10	1	0.10						
		Drinking Water	5.	17 &	1	0.06	7	0	0.00	10	1	0.10						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	137	27	0.20	76	13	0.17	61	14	0.23						
		Drinking Water	5.	137	21	0.15	76	9	0.12	61	12	0.20						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	145	1	0.01	79	1	0.01	66	0	0.00						
		Drinking Water	100.	145	0	0.00	79	0	0.00	66	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	61	0	0.00	35	0	0.00	26	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	46	0	0.00	26	0	0.00	20	0	0.00						
		Drinking Water	1300.	46	0	0.00	26	0	0.00	20	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	30	7	0.23	16	3	0.19	14	4	0.29						
		Drinking Water	15.	18 &	10	0.56	11	5	0.45	7	5	0.71						
01051	LEAD, TOTAL	Fresh Acute	82.	151	5	0.03	87	3	0.03	64	2	0.03						
		Drinking Water	15.	151	45	0.30	87	27	0.31	64	18	0.28						
01067	NICKEL, TOTAL	Fresh Acute	1400.	30	0	0.00	17	0	0.00	13	0	0.00						
		Drinking Water	100.	30	0	0.00	17	0	0.00	13	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	14 &	0	0.00	7	0	0.00	7	0	0.00						
		Drinking Water	100.	17	0	0.00	7	0	0.00	10	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	44	2	0.05	25	1	0.04	19	1	0.05						
		Drinking Water	100.	44	0	0.00	25	0	0.00	19	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	71	3	0.04	41	2	0.05	30	1	0.03						
		Drinking Water	5000.	71	0	0.00	41	0	0.00	30	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	27	0	0.00	14	0	0.00	13	0	0.00						
		Drinking Water	6.	7 &	6	0.86	3	3	1.00	4	3	0.75						
01147	SELENIUM, TOTAL	Fresh Acute	20.	29	0	0.00	15	0	0.00	14	0	0.00						
		Drinking Water	50.	29	0	0.00	15	0	0.00	14	0	0.00						

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

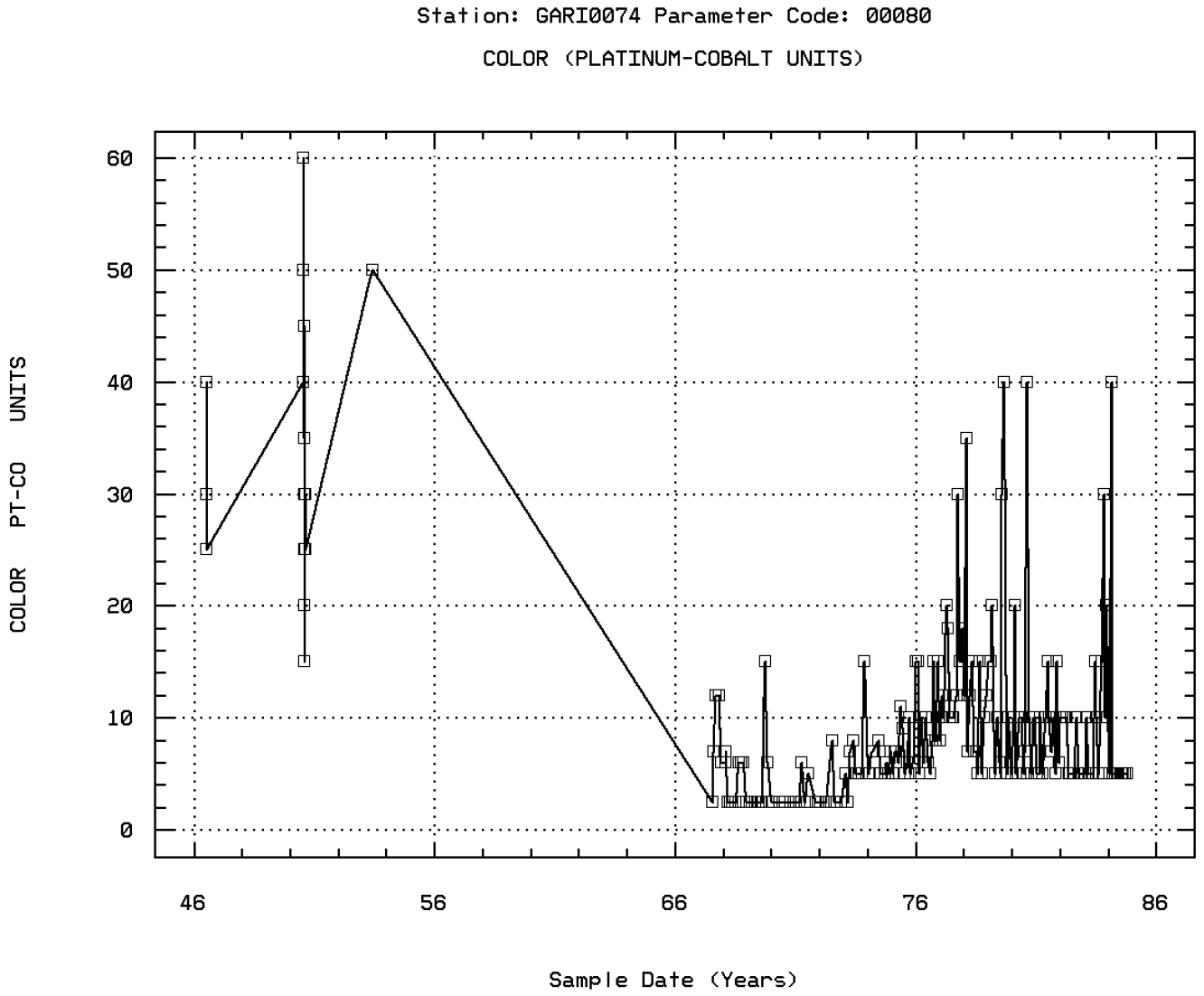
EPA Water Quality Criteria Analysis for Station: GARI0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	168	52	0.31	88	20	0.23	80	32	0.40						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	392	109	0.28	189	25	0.13	203	84	0.41						
71900	MERCURY, TOTAL	Fresh Acute	2.4	79	0	0.00	46	0	0.00	33	0	0.00						
		Drinking Water	2.	79	0	0.00	46	0	0.00	33	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	120	2	0.02	65	2	0.03	55	0	0.00						

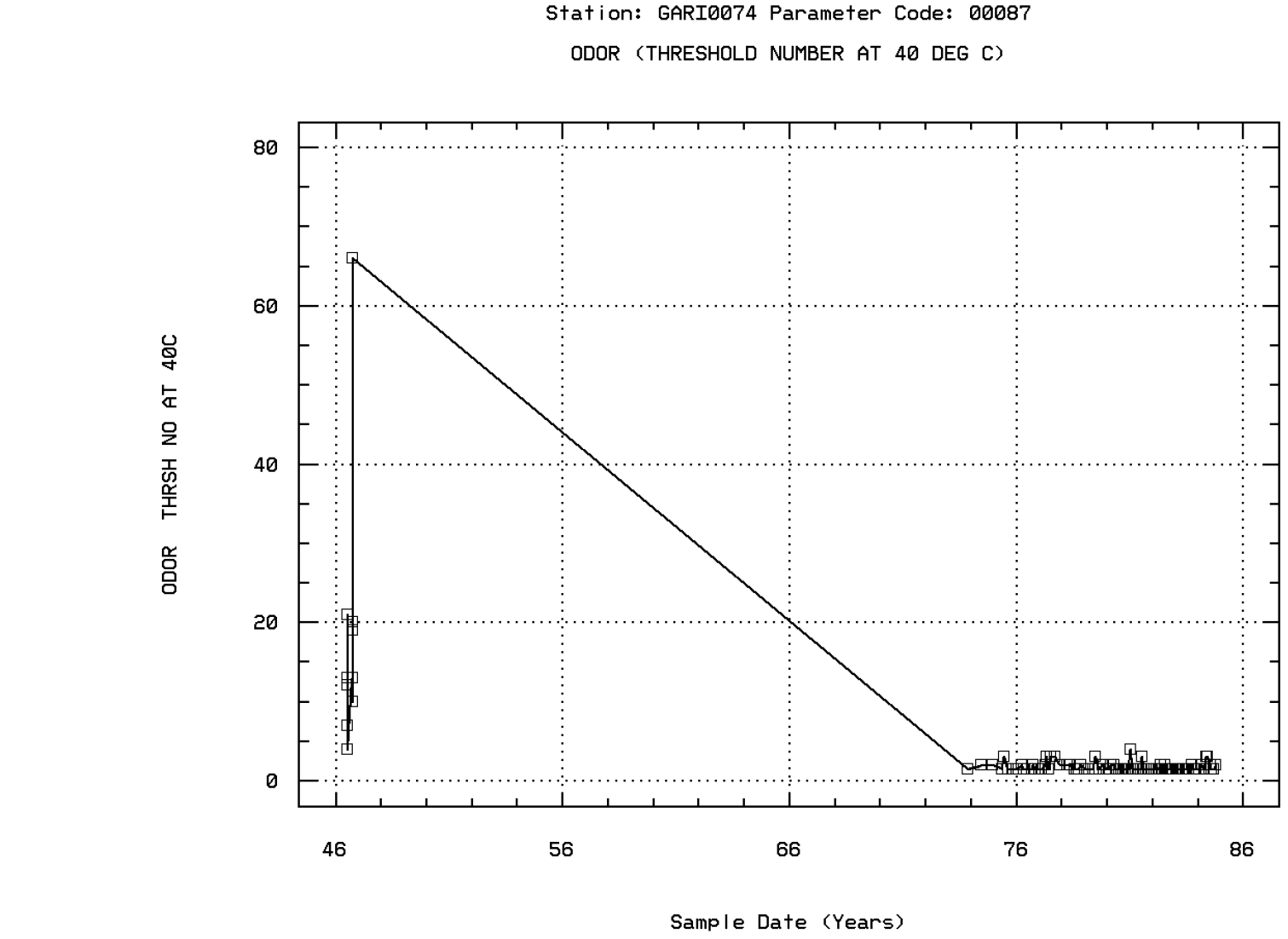
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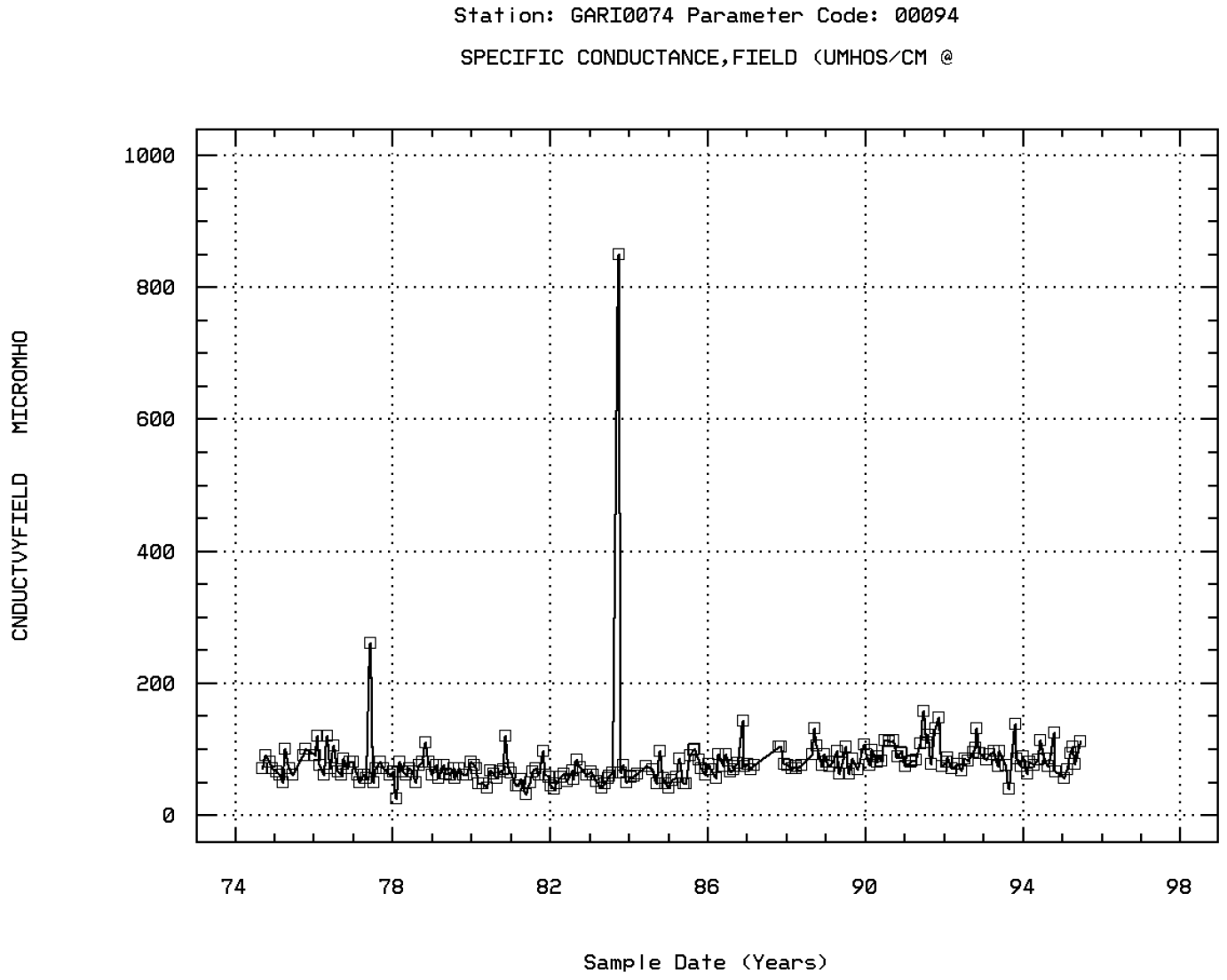
Gauley River at Beech Glen, W. Va.



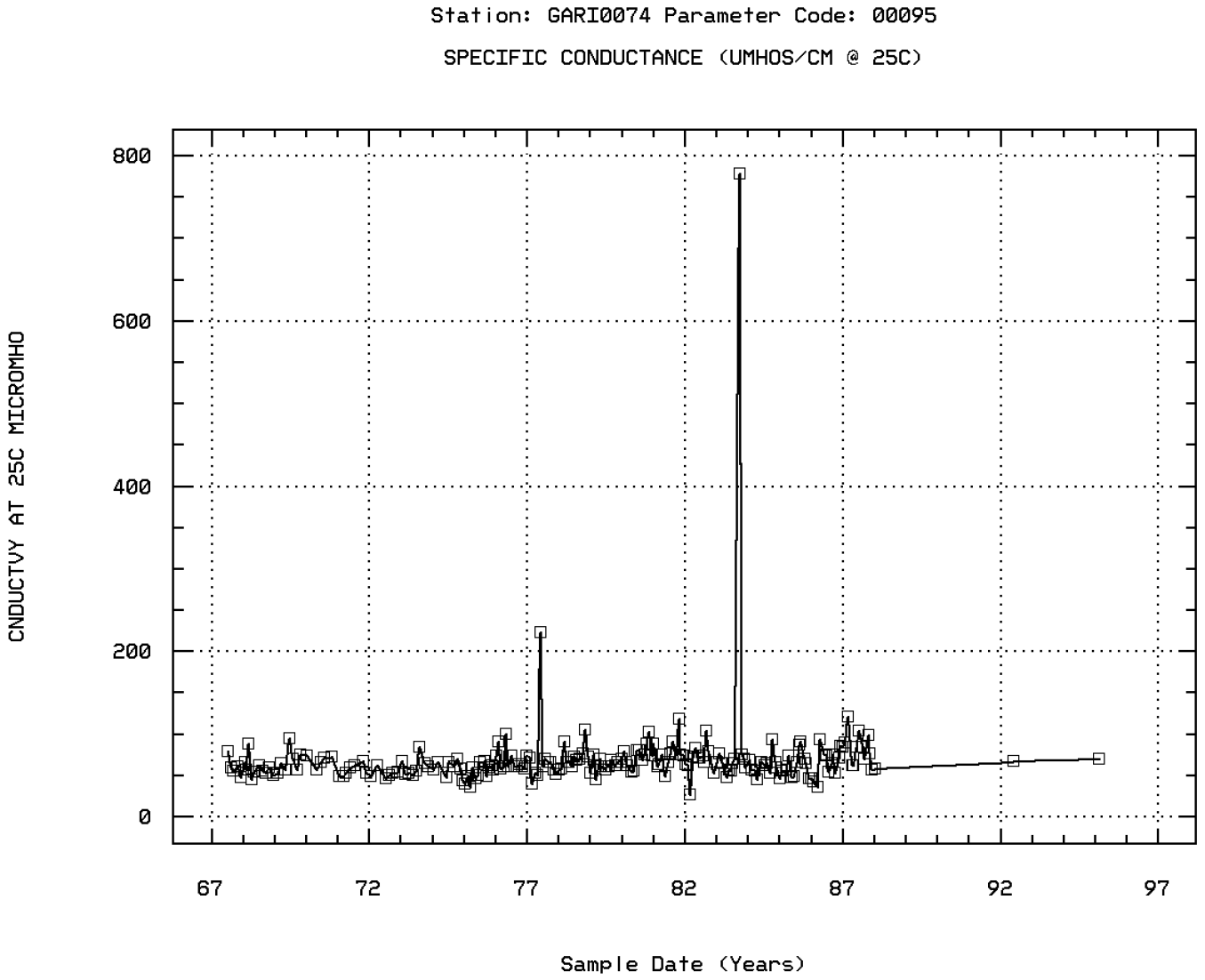
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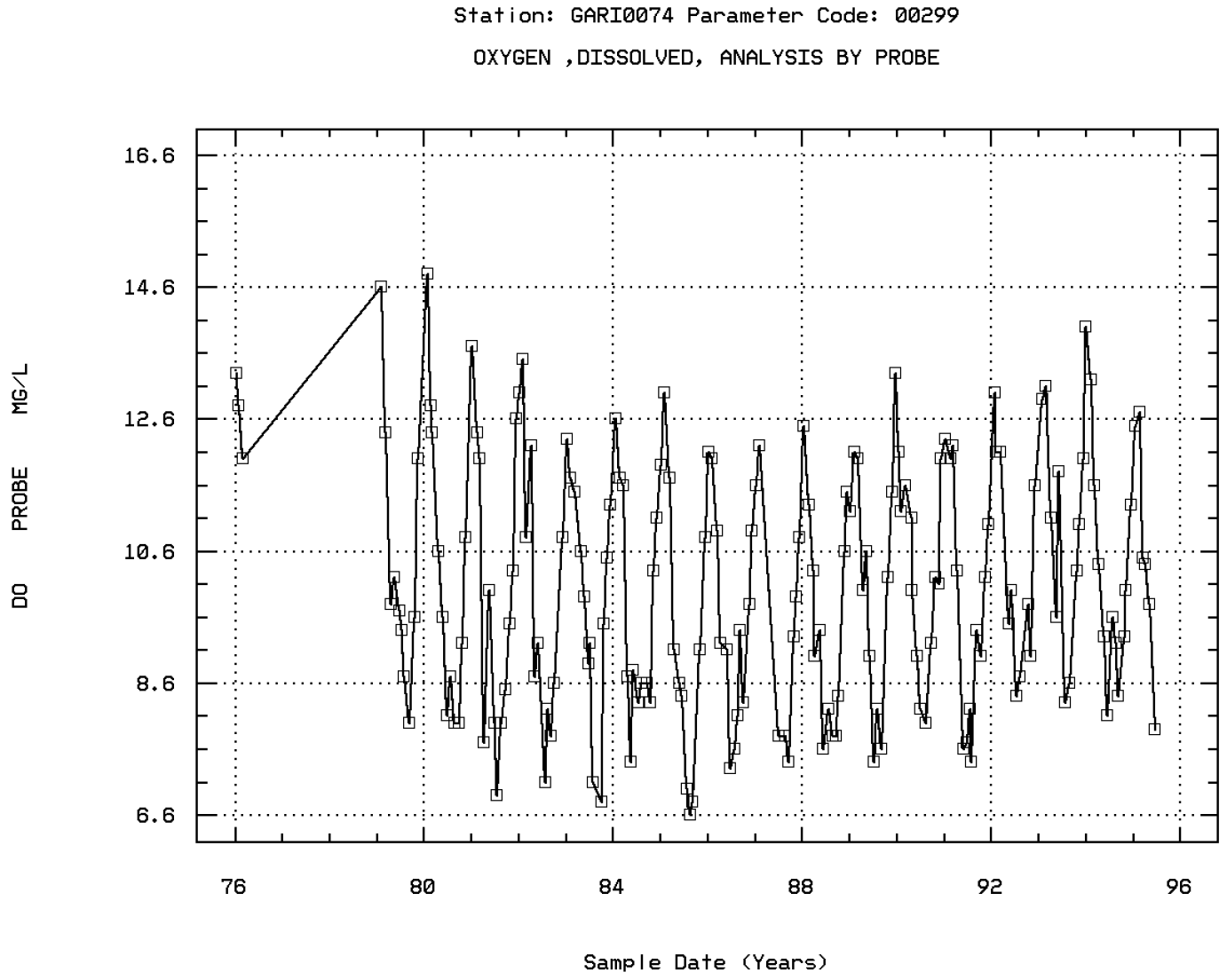
Gauley River at Beech Glen, W. Va.



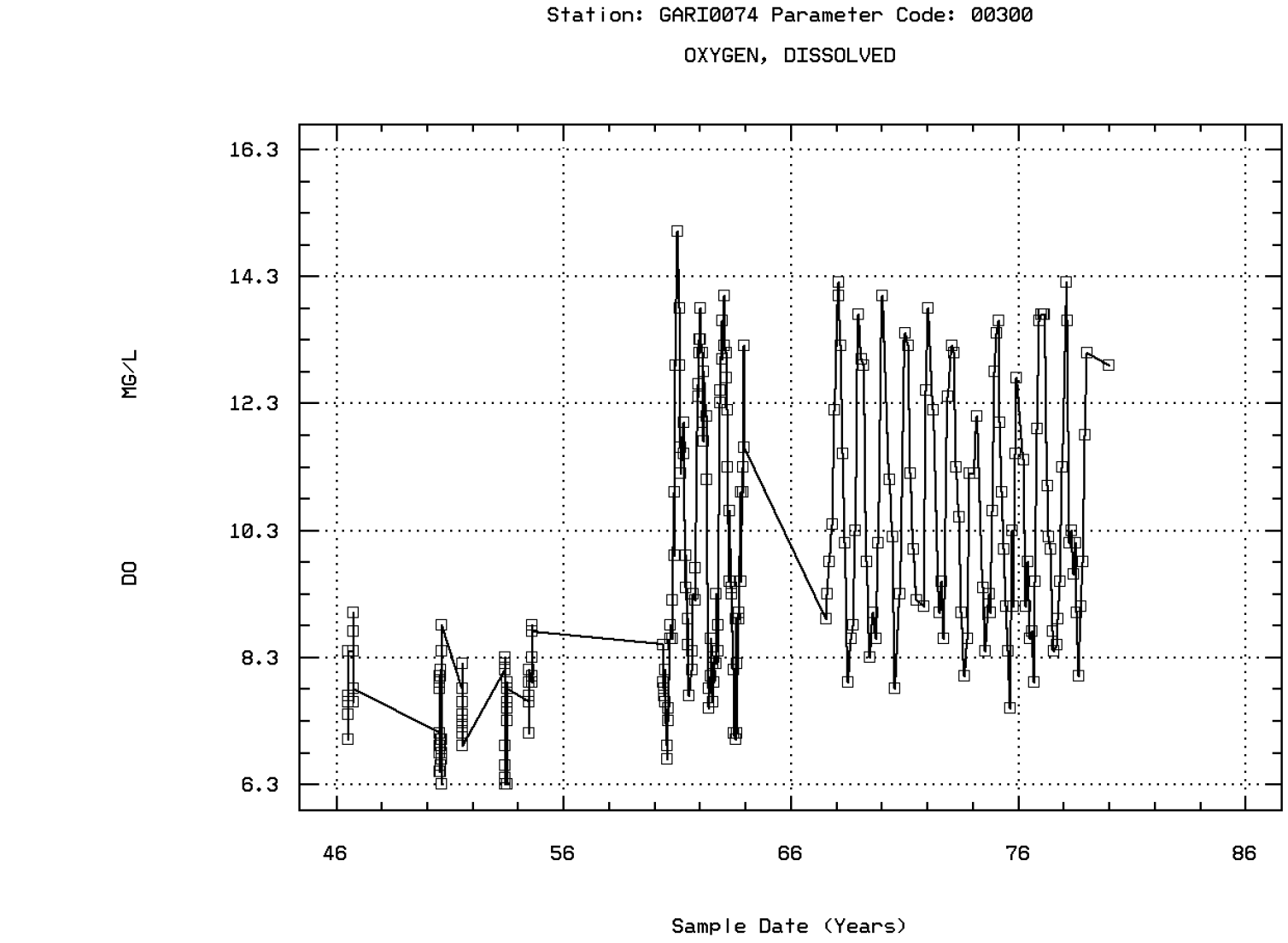
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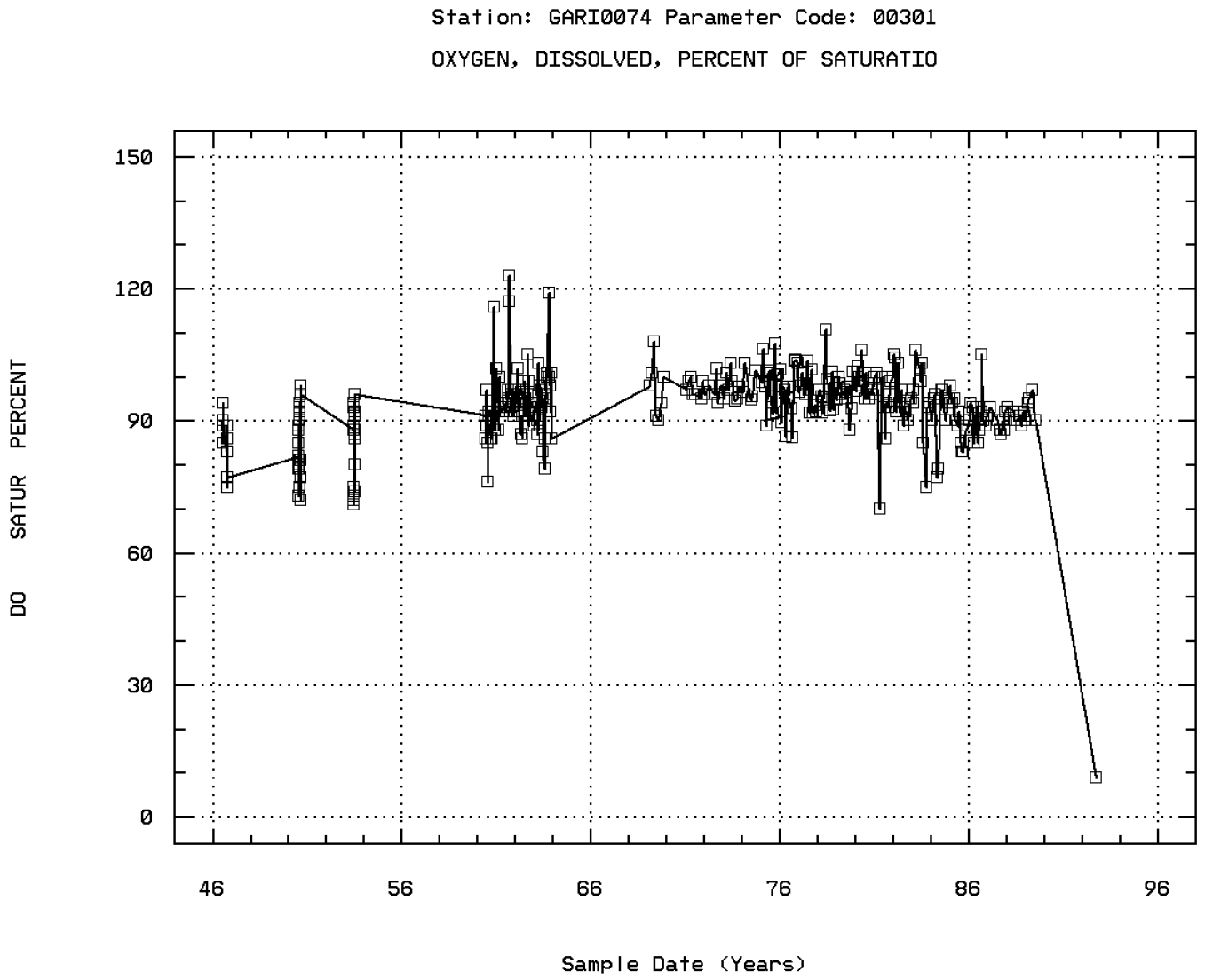
Gauley River at Beech Glen, W. Va.



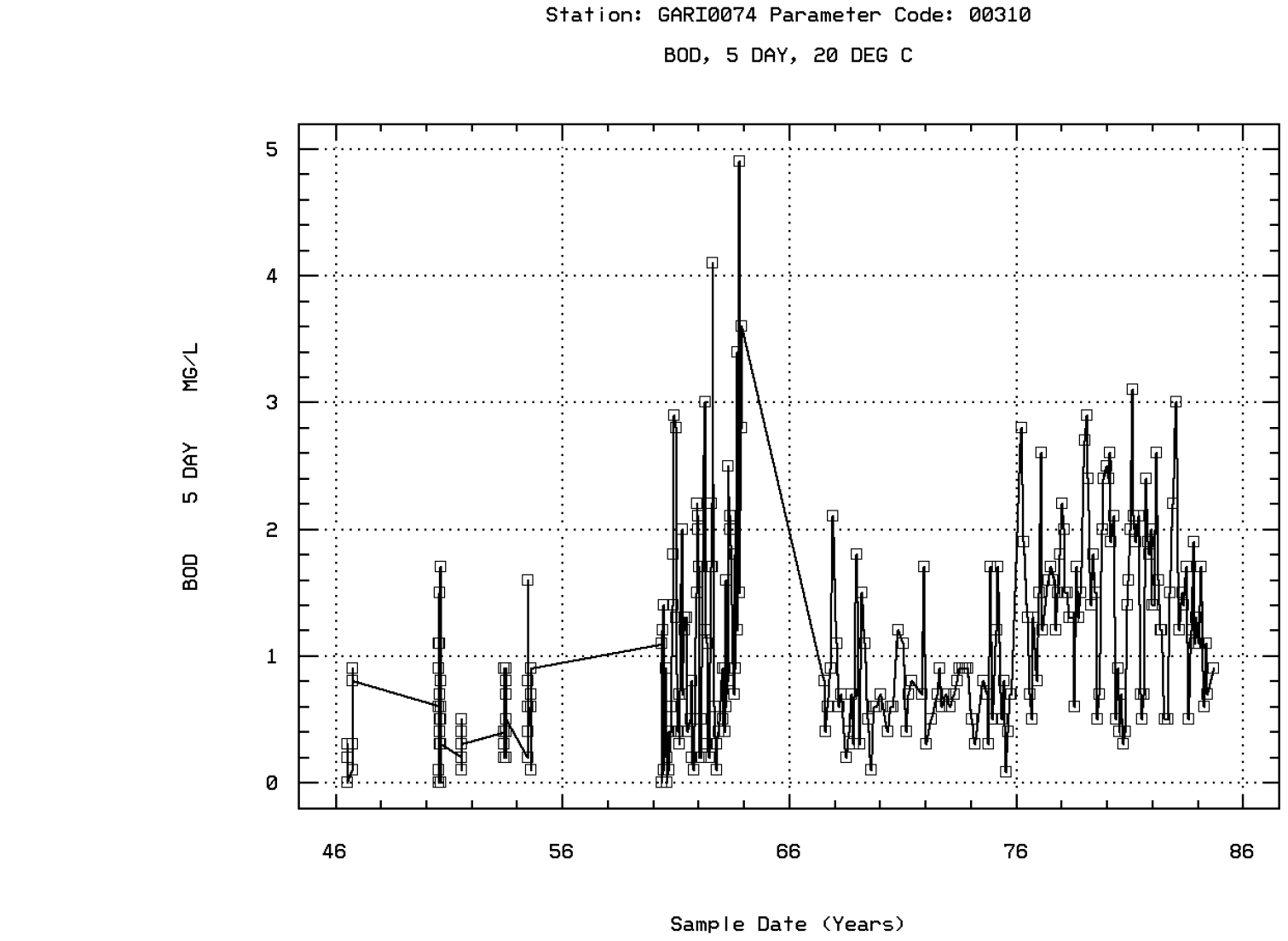
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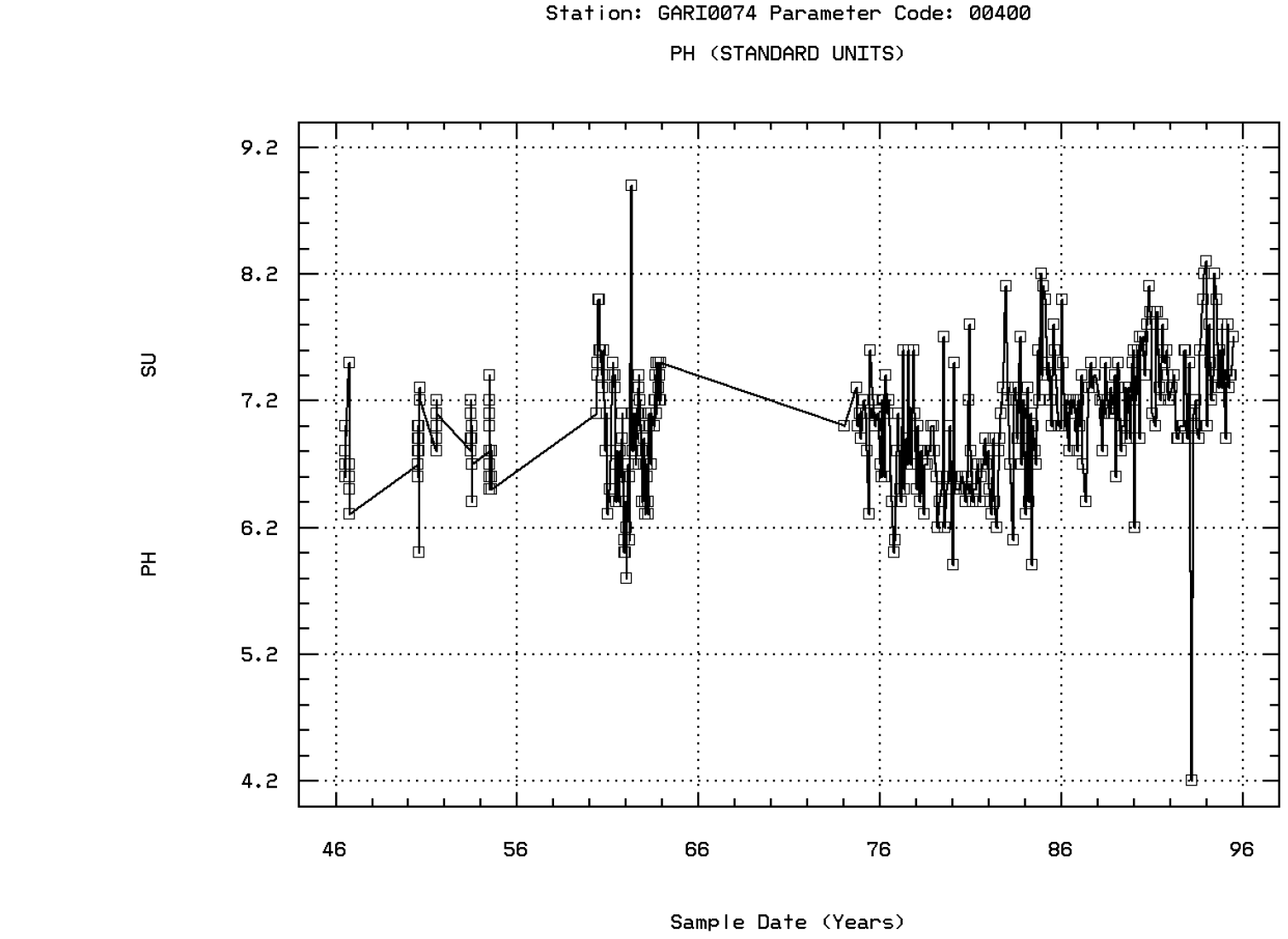
Gauley River at Beech Glen, W. Va.



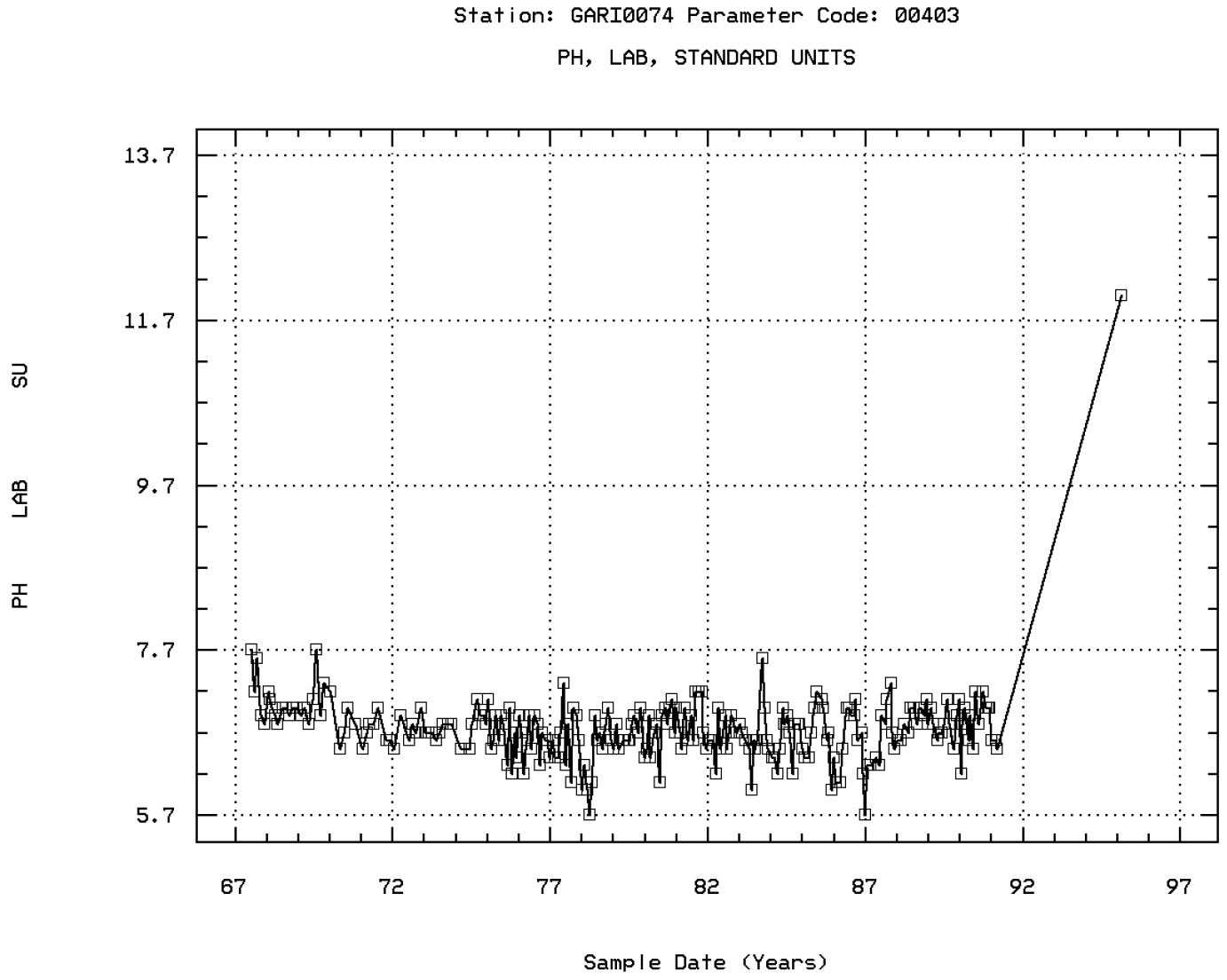
Gauley River at Beech Glen, W. Va.



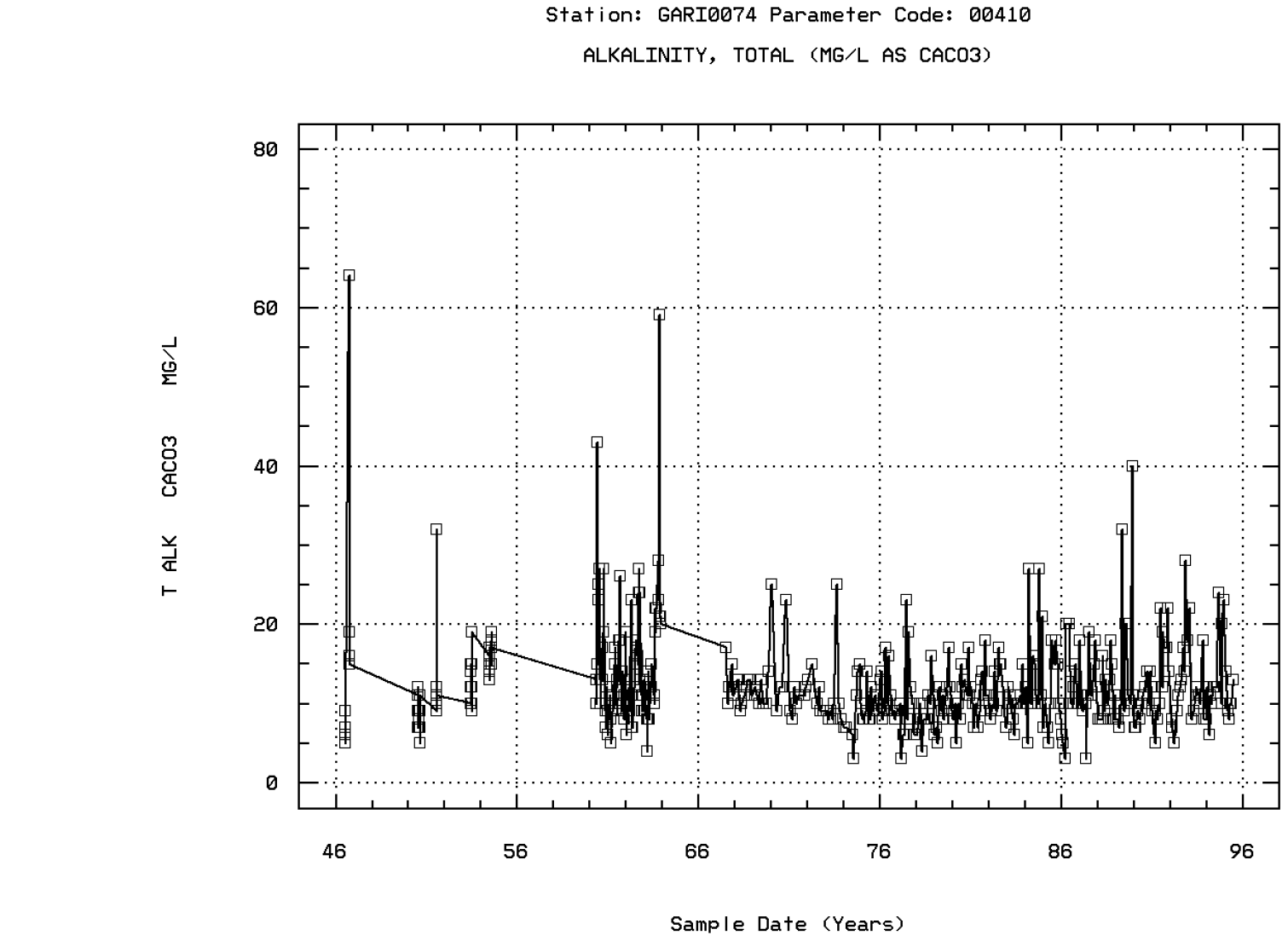
Gauley River at Beech Glen, W. Va.



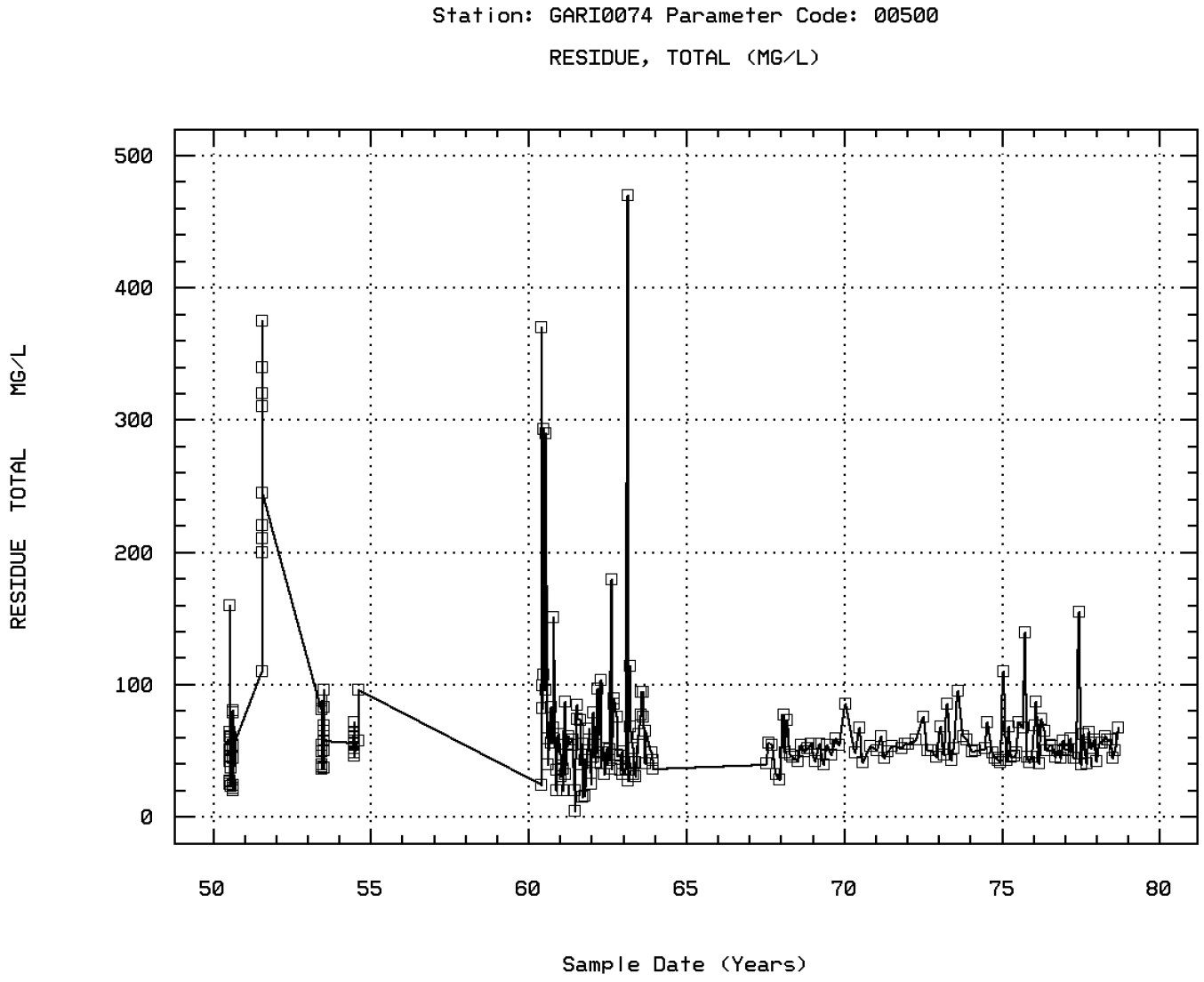
Gauley River at Beech Glen, W. Va.



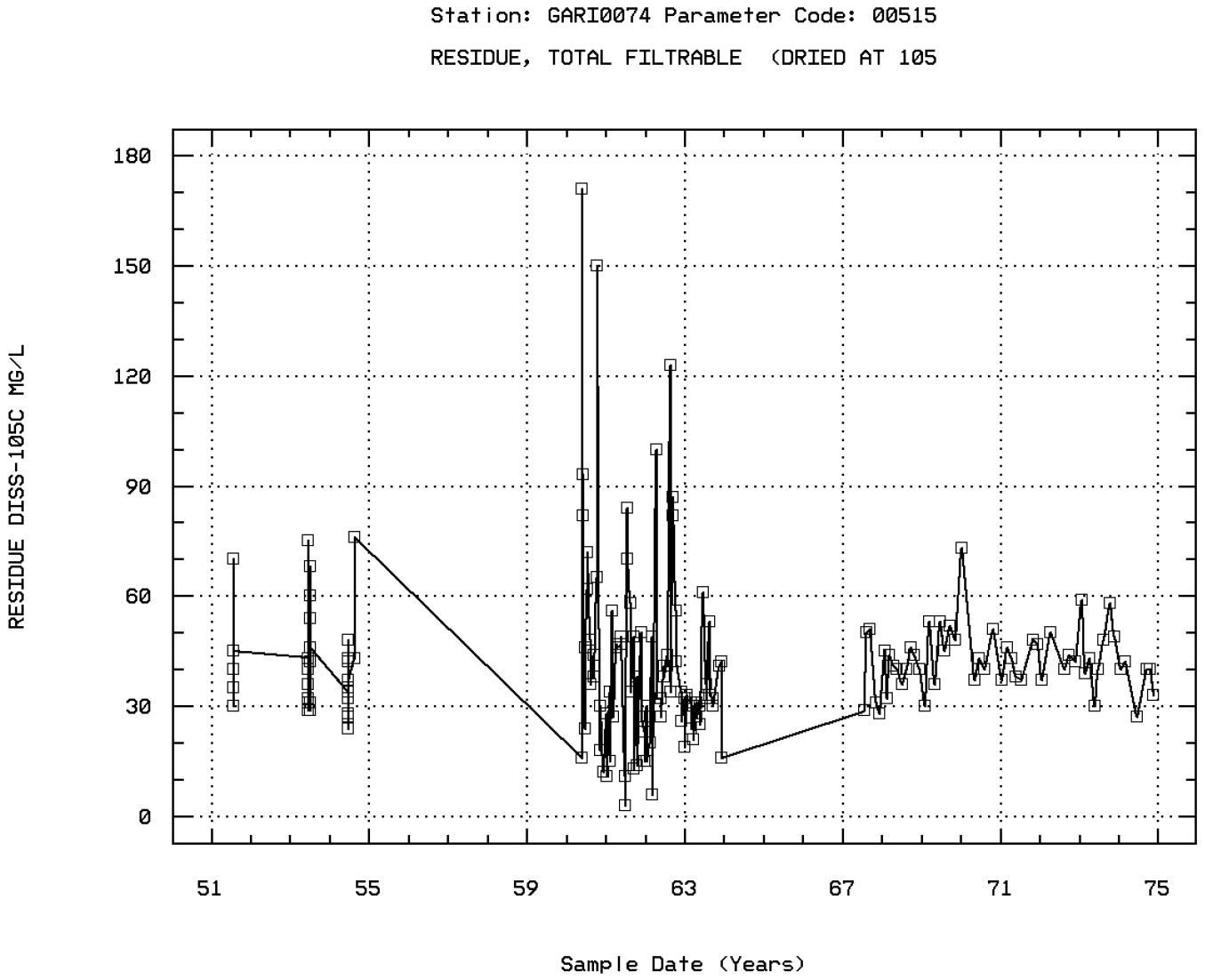
Gauley River at Beech Glen, W. Va.



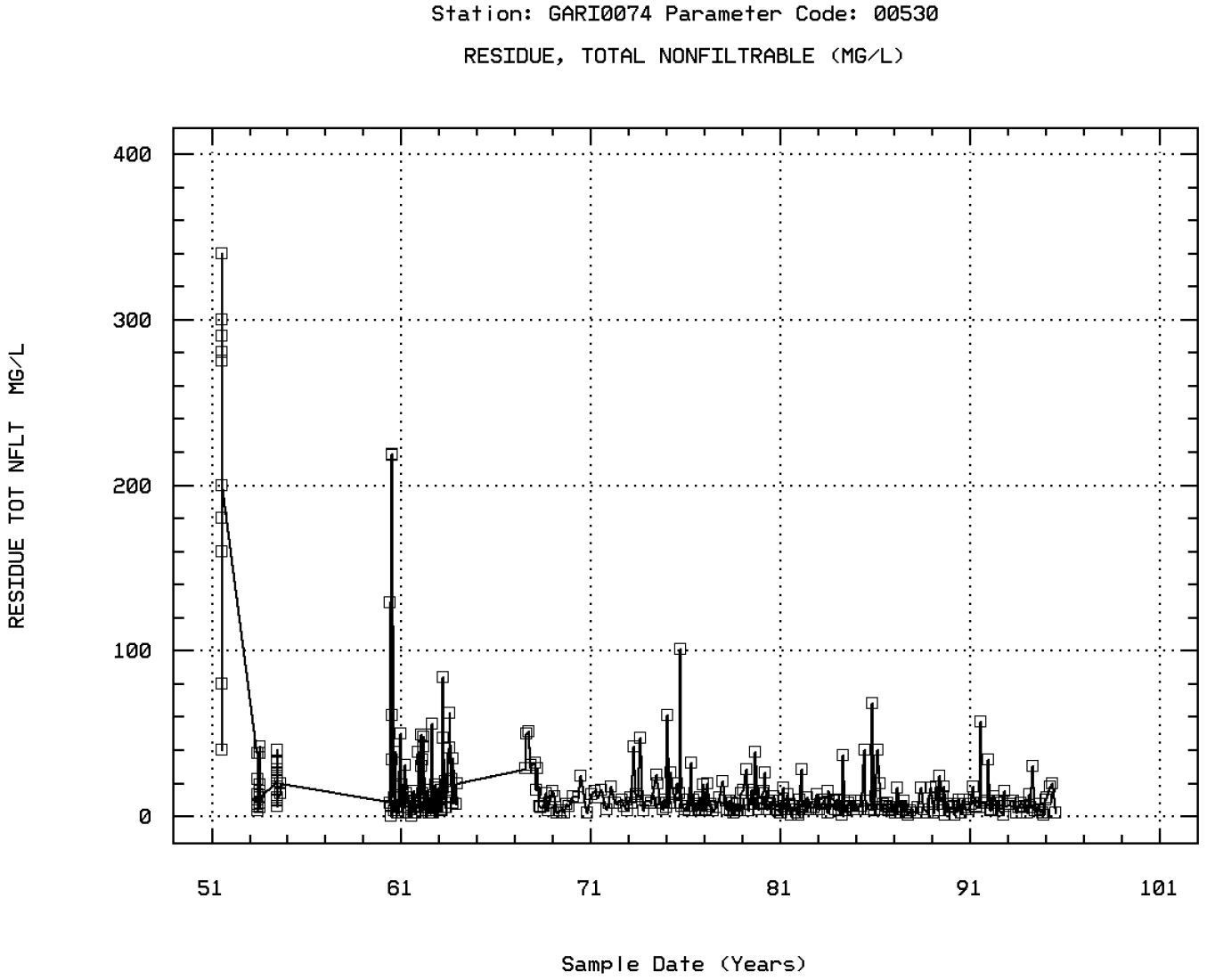
Gauley River at Beech Glen, W. Va.



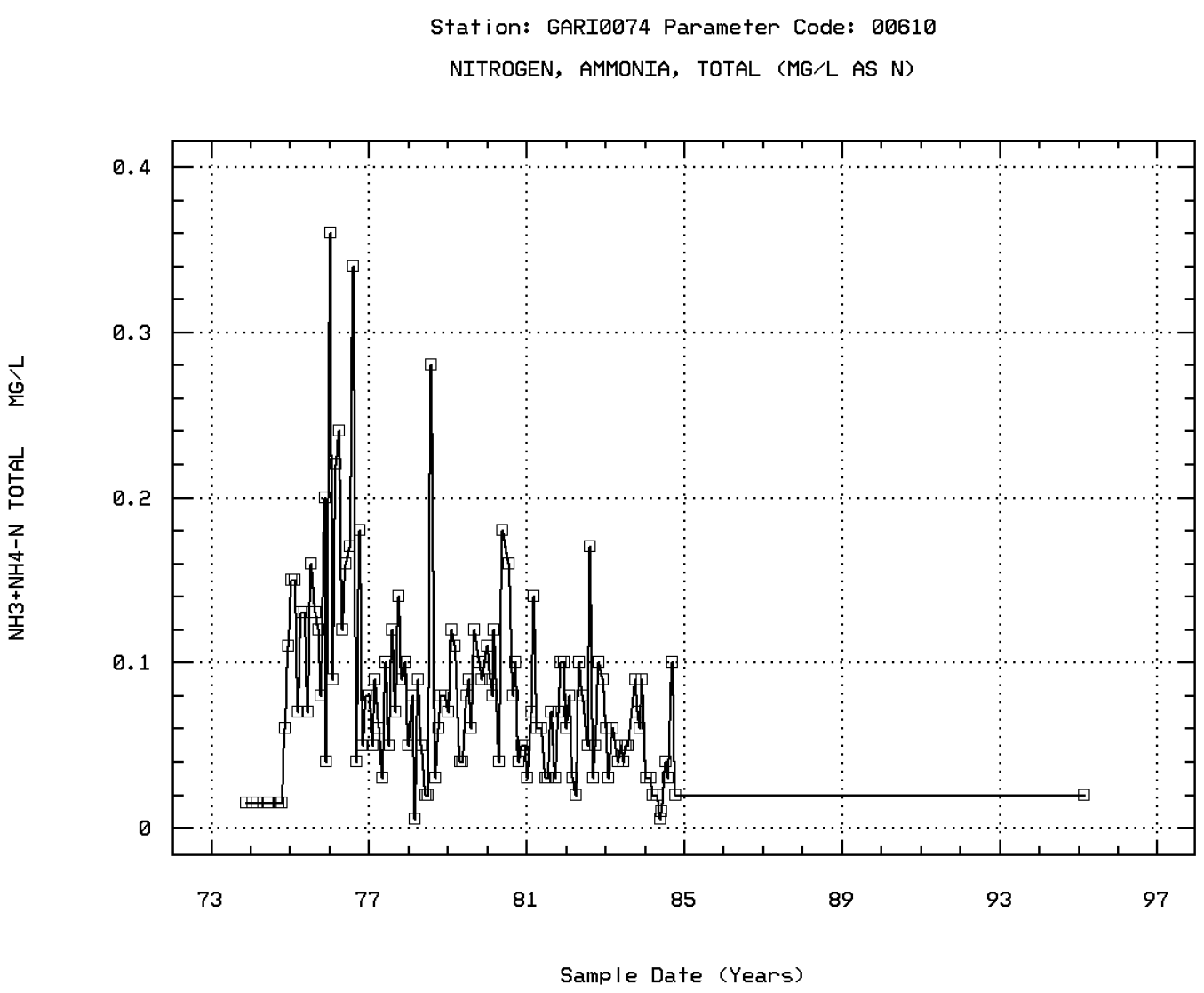
Gauley River at Beech Glen, W. Va.



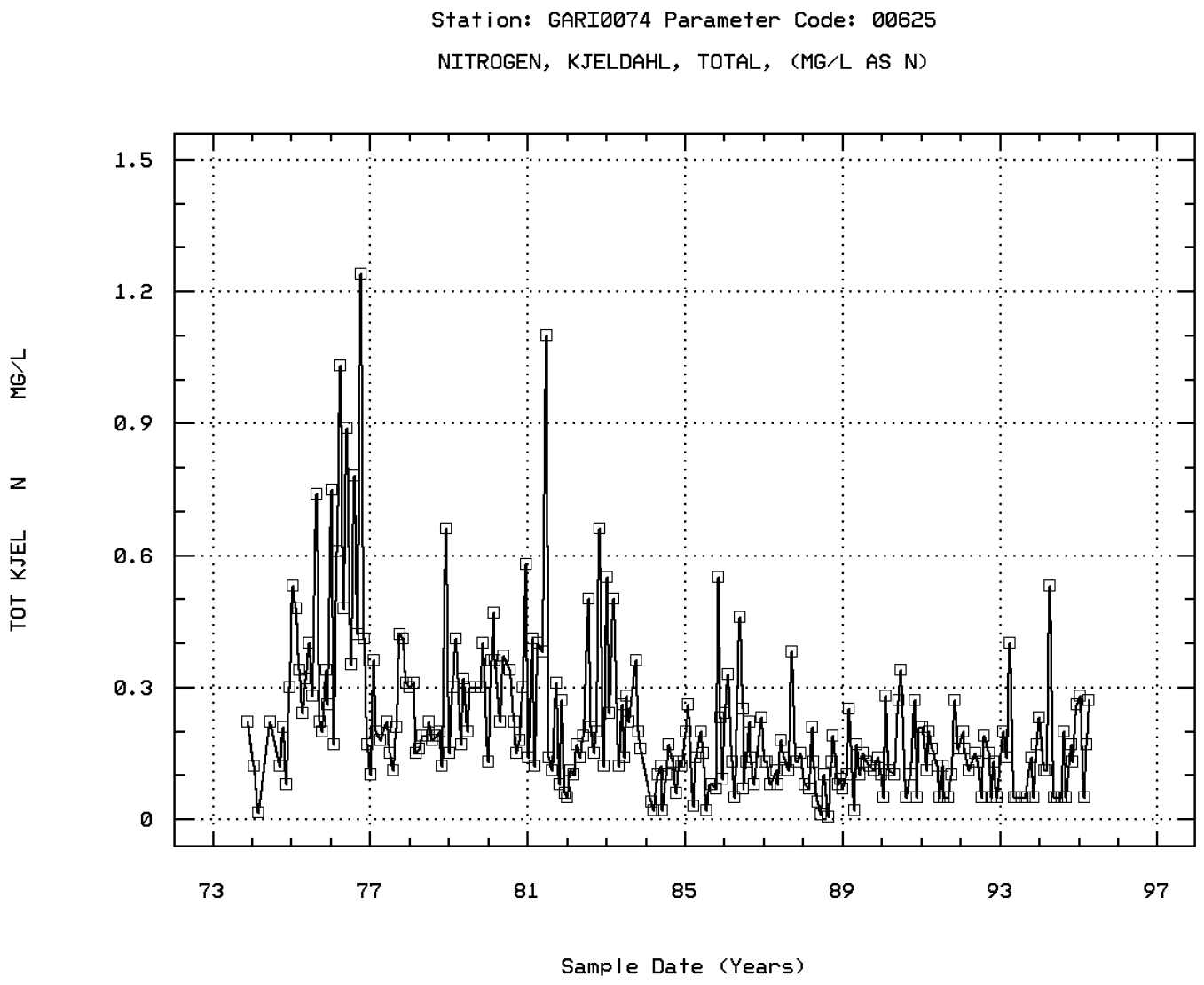
Gauley River at Beech Glen, W. Va.



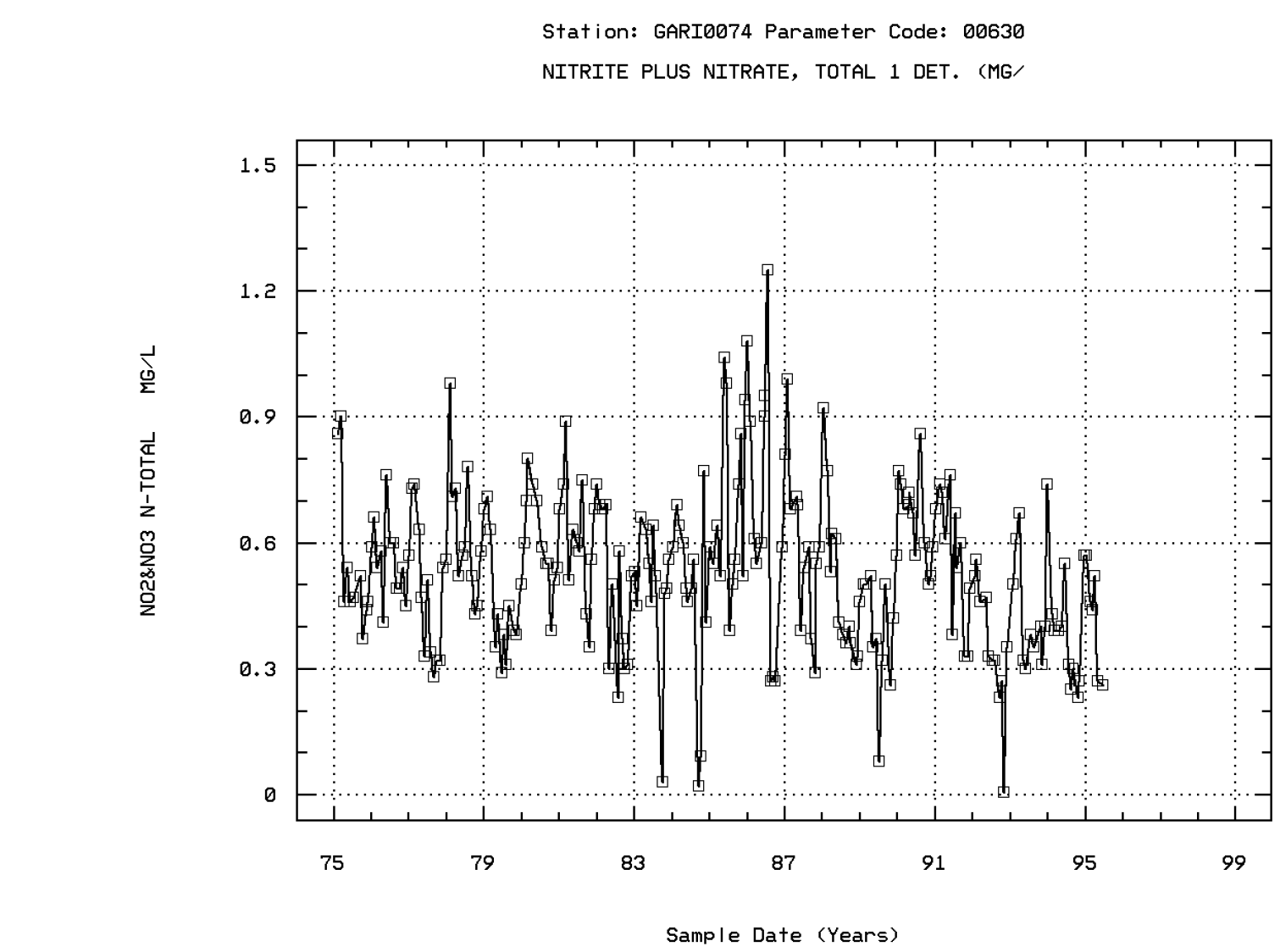
Gauley River at Beech Glen, W. Va.



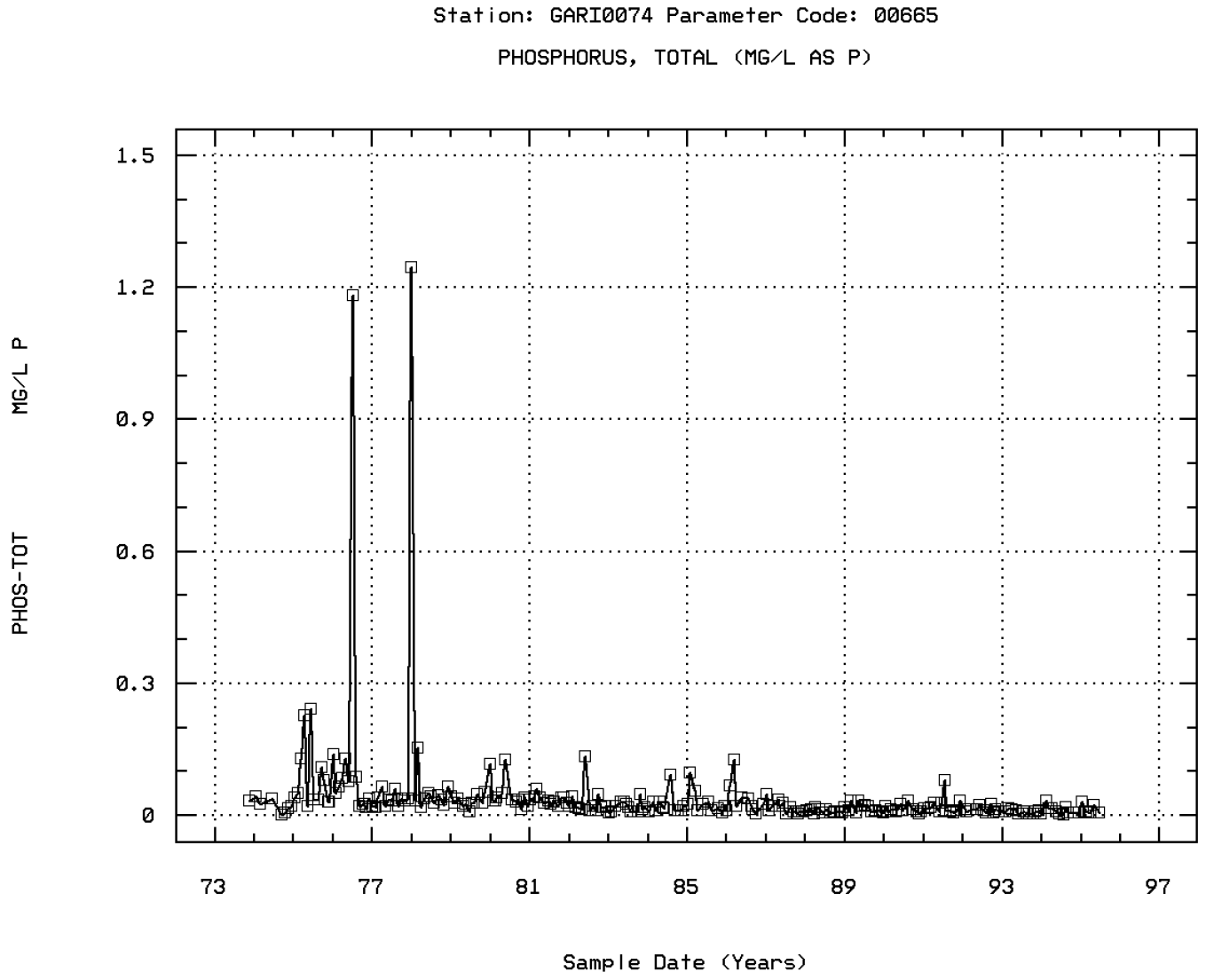
Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.



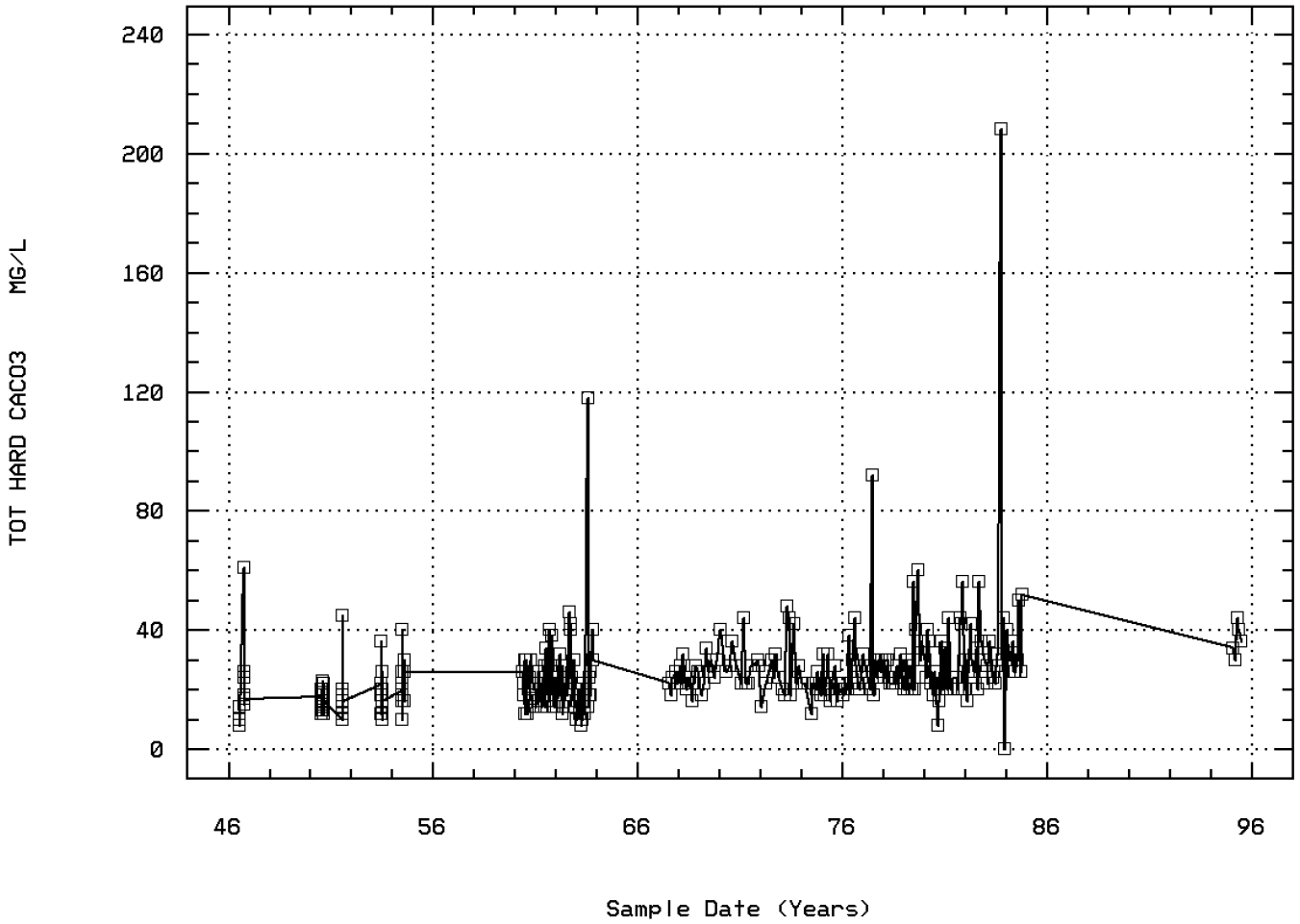
Gauley River at Beech Glen, W. Va.



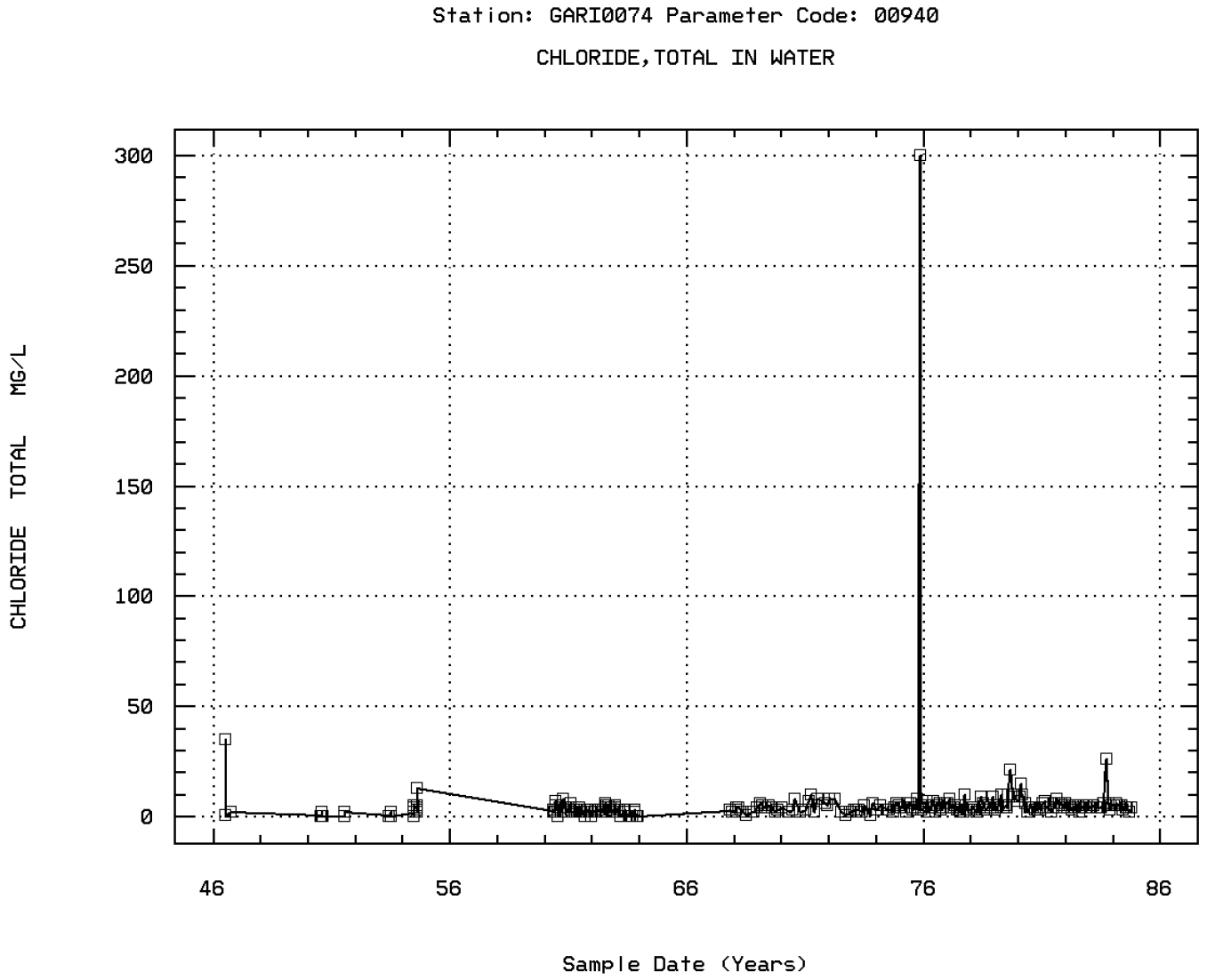
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00900

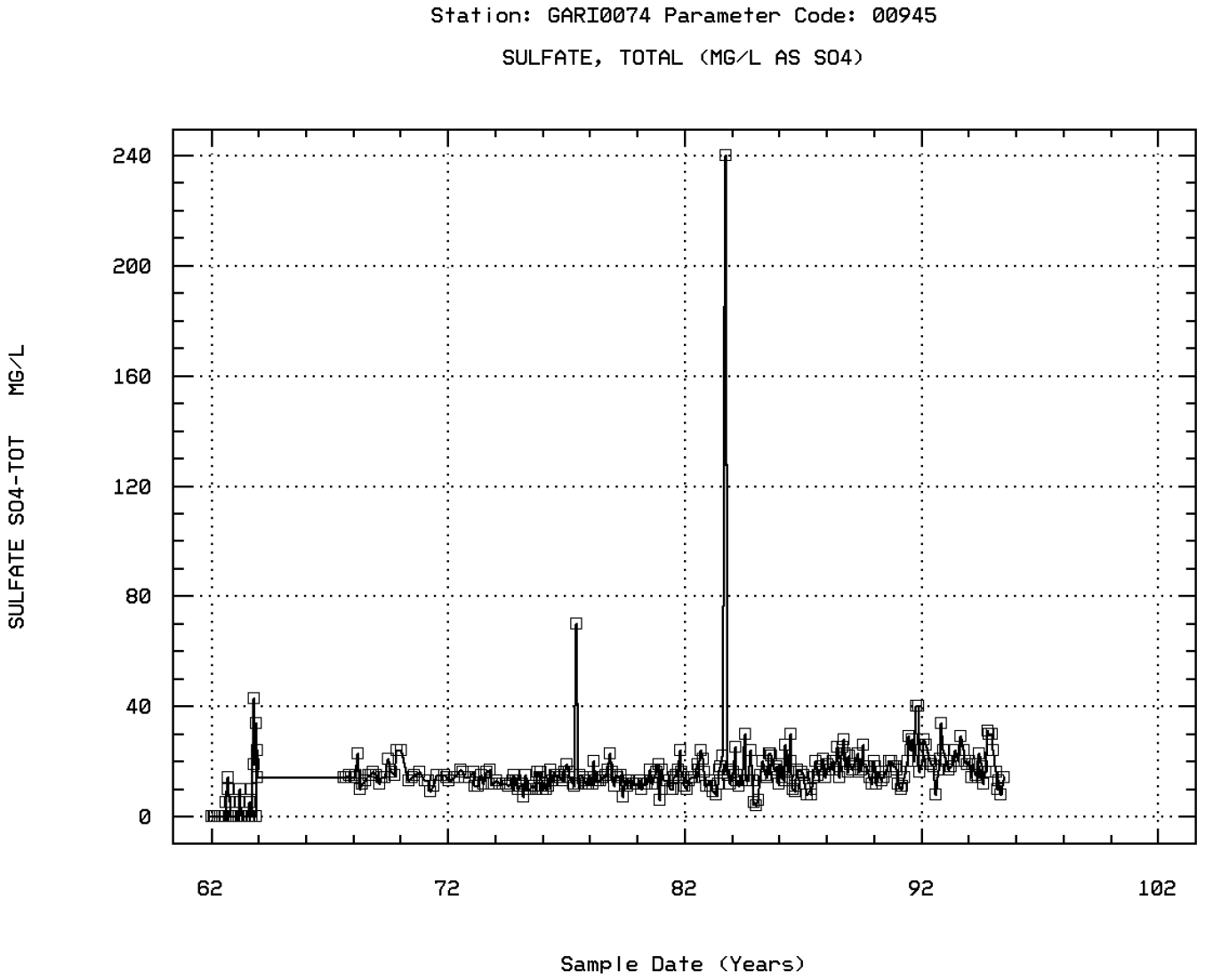
HARDNESS, TOTAL (MG/L AS CACO3)



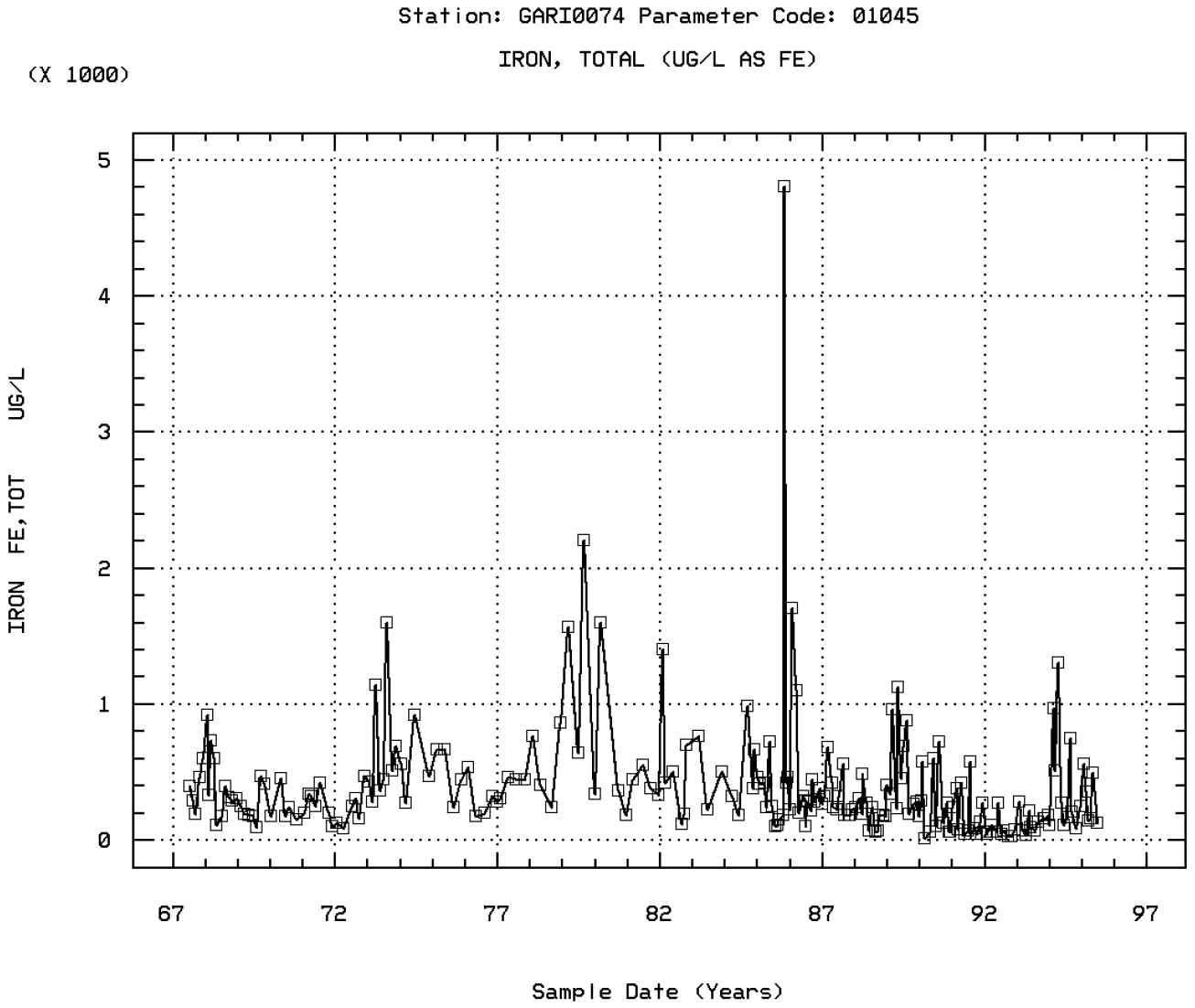
Gauley River at Beech Glen, W. Va.



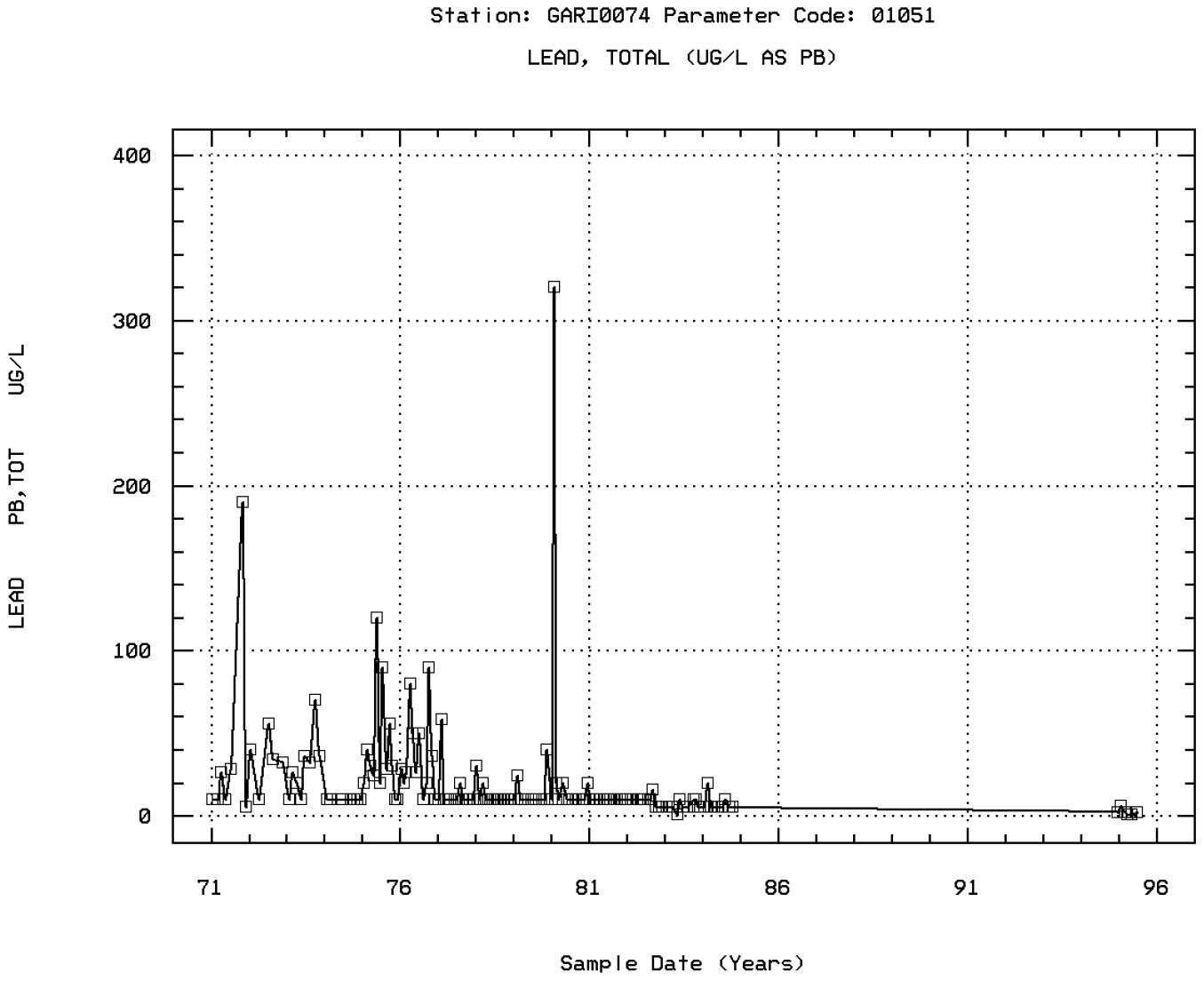
Gauley River at Beech Glen, W. Va.



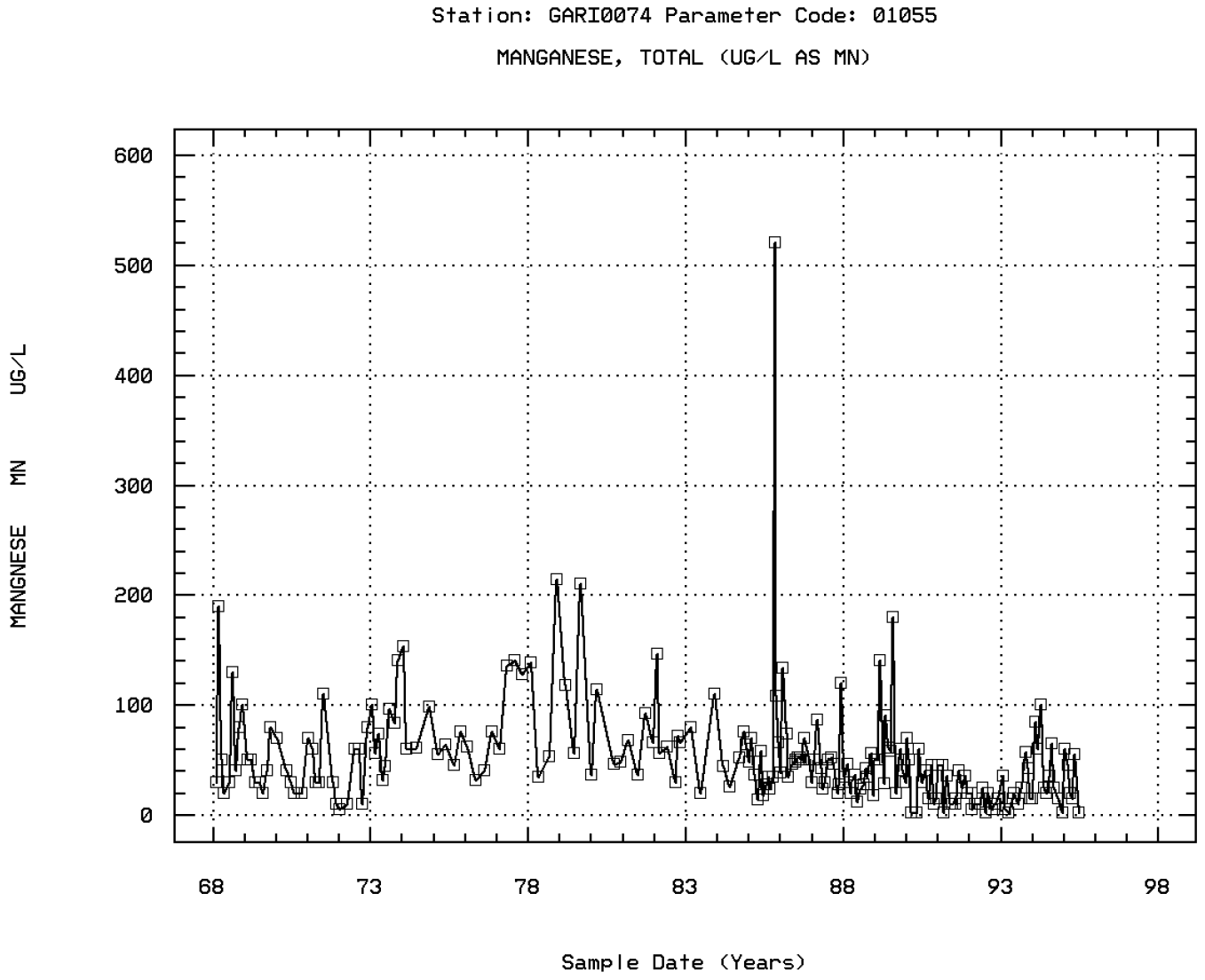
Gauley River at Beech Glen, W. Va.



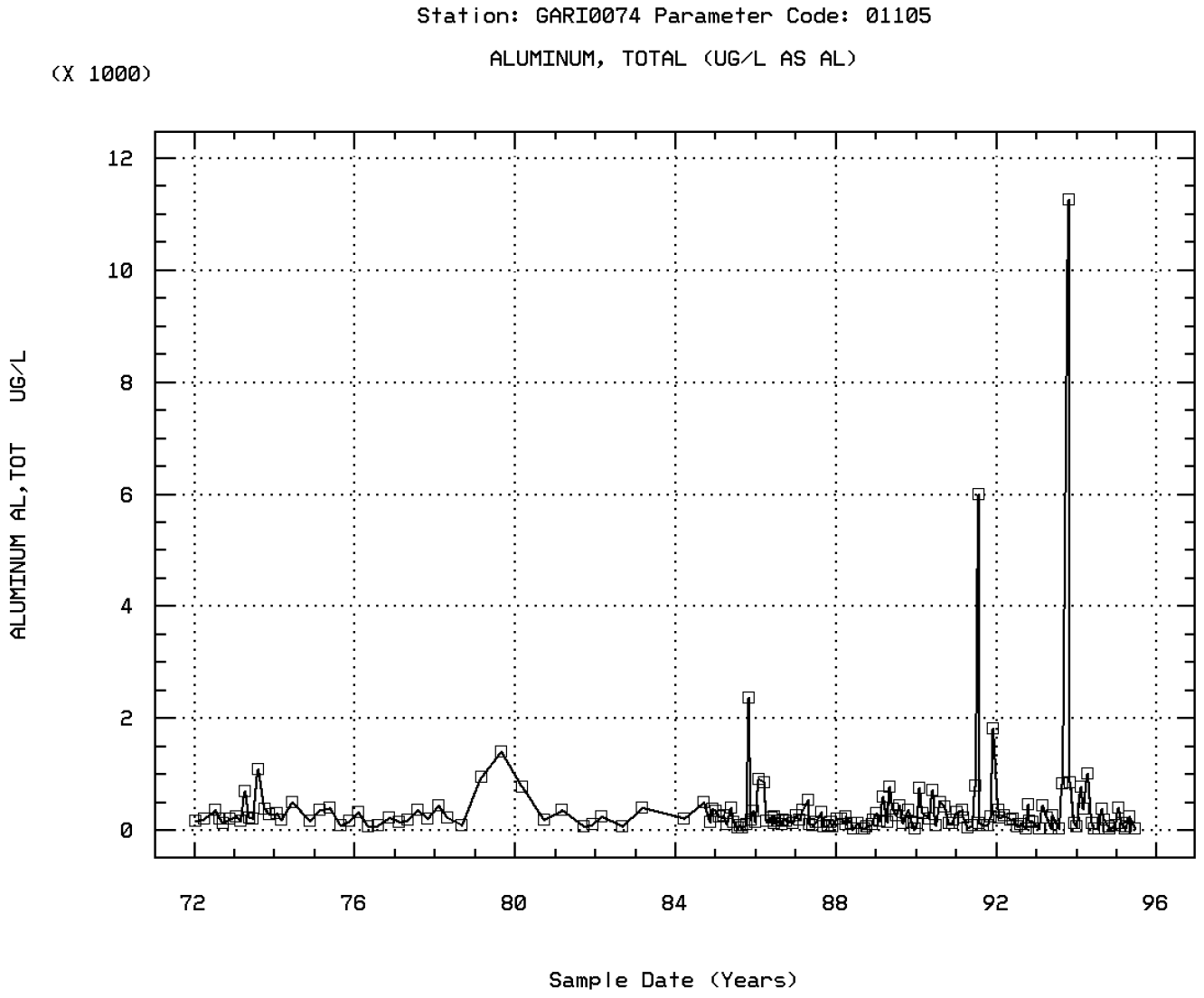
Gauley River at Beech Glen, W. Va.



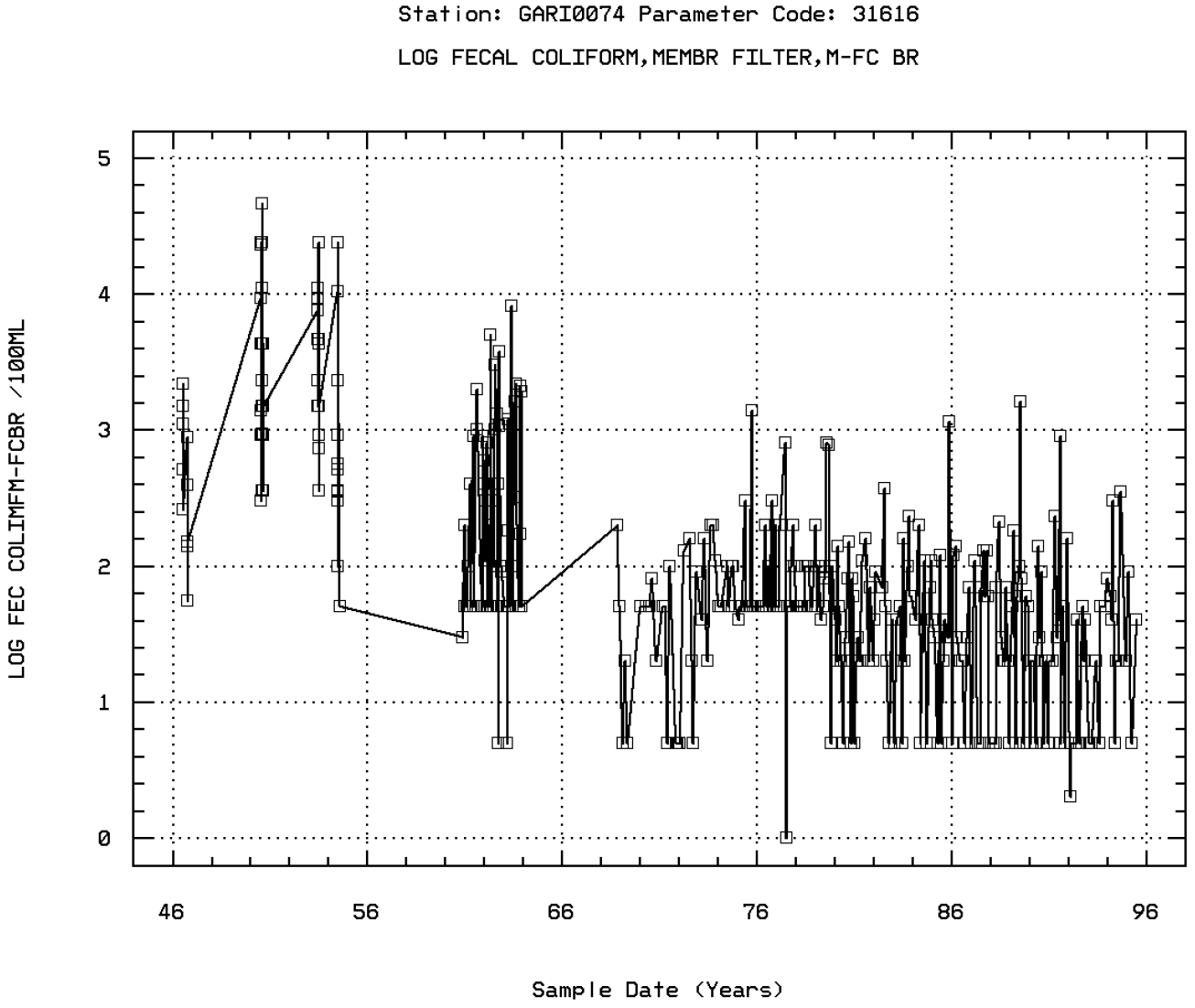
Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.

Annual Analysis for 1946 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	11	15.	18.455	25.	15.	17.873	4.228	15.	15.	23.	24.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	7	60.	285.857	1450.	4.	275426.81	524.811	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	4	35.	33.75	40.	25.	56.25	7.5	**	**	**	**
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	11	13.	17.727	66.	4.	284.818	16.877	4.6	10.	20.	57.
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	11	7.8	8.055	9.	7.	0.459	0.677	7.08	7.6	8.7	9.
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	11	89.	86.	94.	75.	32.8	5.727	75.4	83.	89.	93.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	11	0.3	0.3	0.9	0.	0.088	0.297	0.	0.1	0.3	0.88
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	11	6.7	6.727	7.5	6.3	0.096	0.31	6.34	6.6	6.8	7.4
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	11	6.7	6.651	7.5	6.3	0.103	0.32	6.34	6.6	6.8	7.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	11	0.2	0.224	0.501	0.032	0.015	0.121	0.045	0.158	0.251	0.464
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	15.	15.727	64.	1.	289.018	17.001	1.8	6.	16.	55.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	11	1.	2.636	17.	1.	22.855	4.781	1.	1.	2.	14.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	15.	18.364	61.	1.	252.655	15.895	2.4	8.	24.	54.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	11	1.	4.409	35.	0.5	103.241	10.161	0.6	1.	2.	28.4
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10	450.	719.5	2200.	55.	493358.056	702.395	63.5	147.5	1200.	2130.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10	2.649	2.629	3.342	1.74	0.262	0.512	1.781	2.169	3.075	3.326
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			425.156								

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

Annual Analysis for 1950 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	24	22.5	21.917	23.	16.	2.601	1.613	20.	21.	23.	23.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	24	625.	1325.792	3550.	60.	1564412.955	1250.765	133.5	342.5	2685.	3375.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	24 ##	18.75	28.708	122.	12.5	639.563	25.29	12.5	12.5	35.	61.5
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	21	30.	33.571	60.	15.	122.857	11.084	21.	25.	40.	50.
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	24	7.45	7.479	8.8	6.3	0.623	0.789	6.5	6.8	8.1	8.6
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	24	81.5	84.583	98.	72.	70.601	8.402	74.	77.5	92.75	97.
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	24	0.5	0.538	1.7	0.	0.216	0.465	0.	0.15	0.775	1.3
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	24	6.9	6.958	7.3	6.	0.087	0.295	6.65	6.8	7.2	7.3
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	24	6.9	6.826	7.3	6.	0.105	0.324	6.65	6.8	7.2	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	24	0.126	0.149	1.	0.05	0.036	0.189	0.05	0.063	0.158	0.225
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	24	7.5	8.333	12.	5.	3.536	1.88	7.	7.	9.	11.5
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	24	2.	2.042	4.	1.	0.824	0.908	1.	1.	3.	3.
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	24	45.5	49.75	160.	20.	852.196	29.192	22.	26.25	59.5	79.5
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	24	16.	16.458	23.	12.	13.824	3.718	12.	13.	19.75	22.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	18	0.	0.167	2.	0.	0.265	0.514	0.	0.	0.	1.1
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	24	1500.	7002.5	46000.	300.	126906263.043	11265.268	360.	910.	8050.	24000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	24	3.176	3.379	4.663	2.477	0.422	0.649	2.556	2.959	3.885	4.38
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2393.87								

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

Annual Analysis for 1951 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	11	23.	23.182	26.	21.	3.364	1.834	21.	21.	25.	26.
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	11	7.4	7.418	8.2	6.9	0.164	0.405	6.9	7.1	7.8	8.12
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	11	0.3	0.291	0.5	0.1	0.011	0.104	0.12	0.2	0.3	0.48
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	11	7.	7.018	7.2	6.8	0.018	0.133	6.82	6.9	7.1	7.2
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	11	7.	7.	7.2	6.8	0.018	0.134	6.82	6.9	7.1	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	11	0.1	0.1	0.158	0.063	0.001	0.031	0.063	0.079	0.126	0.152
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	11.	12.636	32.	9.	42.255	6.5	9.	10.	12.	28.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	11	2.	2.273	3.	1.	0.418	0.647	1.2	2.	3.	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 1951 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	11	245.	250.	375.	110.	8005.	89.471	110.	200.	320.	368.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	11	35.	38.636	70.	30.	135.455	11.638	30.	30.	40.	65.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	11	200.	211.364	340.	40.	9070.455	95.239	48.	160.	290.	332.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	16.	18.273	45.	10.	87.218	9.339	10.4	14.	18.	40.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	11	1.	1.	2.	0.	0.2	0.447	0.2	1.	1.	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

Annual Analysis for 1953 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	16	22.	21.75	26.	17.	4.467	2.113	19.1	20.25	22.	25.3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	16	15.	20.125	89.	6.	412.25	20.304	6.	10.	19.5	52.6
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	16	7.6	7.425	8.3	6.3	0.503	0.709	6.3	6.675	8.05	8.23
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	16	87.5	84.313	96.	71.	75.829	8.708	71.7	74.25	91.75	94.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	16	0.4	0.475	0.9	0.2	0.054	0.232	0.2	0.325	0.65	0.9
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	16	7.	6.963	7.2	6.4	0.05	0.225	6.61	6.825	7.175	7.2
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	16	7.	6.899	7.2	6.4	0.055	0.234	6.61	6.825	7.175	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	16	0.1	0.126	0.398	0.063	0.007	0.085	0.063	0.067	0.15	0.259
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	16	12.	12.125	19.	9.	7.183	2.68	9.7	10.	14.	16.2
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	16	2.	2.25	3.	2.	0.2	0.447	2.	2.	2.75	3.
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	16	55.5	58.563	96.	36.	394.129	19.853	36.7	38.25	78.	90.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	16	38.	42.438	75.	29.	212.529	14.578	29.	31.	52.	70.1
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	15	13.	16.6	42.	3.	166.829	12.916	4.2	7.	22.	39.6
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	16	17.	18.	36.	10.	44.267	6.653	11.4	12.	21.5	29.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	16	0.	0.313	2.	0.	0.363	0.602	0.	0.	0.75	1.3
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	16	4450.	6468.75	24000.	360.	56317665.	7504.51	619.	1500.	8850.	24000.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	16	3.648	3.545	4.38	2.556	0.274	0.523	2.771	3.176	3.945	4.38
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3508.229								

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

Annual Analysis for 1954 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	15	24.	22.6	25.	18.	4.4	2.098	18.6	21.	24.	24.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	18	4.5	18.389	72.	2.	658.369	25.659	2.	2.	20.	72.
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	15	7.9	7.933	8.8	7.1	0.191	0.437	7.4	7.6	8.1	8.74
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	15	0.6	0.6	1.6	0.1	0.143	0.378	0.16	0.4	0.8	1.18
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	18	6.8	6.822	7.4	6.5	0.074	0.271	6.5	6.6	7.025	7.22
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	18	6.8	6.751	7.4	6.5	0.079	0.281	6.5	6.6	7.025	7.22
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	18	0.158	0.177	0.316	0.04	0.009	0.094	0.061	0.095	0.251	0.316
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	18	15.5	15.833	19.	13.	2.735	1.654	13.9	14.75	17.	18.1
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	18	2.5	3.	12.	1.	5.529	2.351	1.9	2.	3.	4.8
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	15	57.	59.067	96.	46.	146.638	12.109	47.2	52.	61.	81.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	15	35.	38.6	76.	24.	165.257	12.855	25.8	28.	43.	59.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	15	21.	20.4	40.	6.	106.543	10.322	7.8	10.	28.	35.8
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	18	20.	21.222	40.	10.	56.065	7.488	10.	16.	26.	31.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	18	2.	2.944	13.	0.	8.644	2.94	0.	1.	4.	5.8
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	435.	3324.167	24000.	50.	50782535.606	7126.187	50.	150.	1952.5	19920.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	2.632	2.762	4.38	1.699	0.692	0.832	1.699	2.119	3.261	4.271
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			578.674								

** - Less than 9 observations ## - Computed with 50% or 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 GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	15	21.	19.6	28.	0.	53.257	7.298	6.6	15.	25.	27.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	17	8.	32.294	220.	2.	5015.221	70.818	2.	3.	12.5	220.
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	17	8.1	8.524	12.9	6.7	2.398	1.549	6.86	7.55	9.	11.3
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	15	89.	90.333	116.	76.	72.095	8.491	81.4	86.	92.	104.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	16	0.75	0.844	2.9	0.	0.625	0.791	0.	0.125	1.35	2.13
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	16	7.45	7.431	8.	6.8	0.149	0.386	6.8	7.1	7.6	8.
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	16	7.447	7.276	8.	6.8	0.175	0.418	6.8	7.1	7.6	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	16	0.036	0.053	0.158	0.01	0.002	0.047	0.01	0.025	0.079	0.158
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	17	15.	18.235	43.	7.	87.066	9.331	8.6	11.	26.	30.2
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	17	82.	113.706	370.	20.	10787.971	103.865	23.2	47.5	129.	308.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	17	46.	59.235	171.	12.	2000.816	44.73	15.2	27.	77.	154.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	17	11.	47.412	219.	0.	5212.382	72.197	0.8	2.5	55.5	218.2
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	17	22.	22.294	30.	12.	40.721	6.381	12.	17.5	28.	30.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	17	3.	3.176	8.	0.	4.404	2.099	0.8	2.	4.	7.2
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	1 ##	1.477	1.477	1.477	1.477	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.								

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Annual Analysis for 1961 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	20	12.	12.55	29.	0.	121.734	11.033	0.	1.25	24.25	27.8
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	24	2.	3.417	20.	0.	23.819	4.88	0.	0.25	3.	11.5
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	24	10.55	10.854	15.	7.7	5.257	2.293	7.9	8.975	12.825	14.4
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	20	94.5	97.4	123.	88.	73.095	8.55	91.1	92.25	99.25	115.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	24	1.	1.054	2.8	0.1	0.551	0.742	0.15	0.4	1.45	2.15
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	22	6.55	6.664	7.5	6.	0.204	0.452	6.03	6.375	6.95	7.4
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	22	6.547	6.478	7.5	6.	0.24	0.49	6.03	6.375	6.95	7.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	22	0.284	0.332	1.	0.032	0.083	0.288	0.04	0.114	0.424	0.938
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	24	11.	12.25	26.	5.	22.543	4.748	7.	9.	14.75	18.5
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	24	45.	45.208	87.	4.	519.998	22.803	15.5	26.25	60.25	79.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	24	34.	35.375	84.	3.	428.332	20.696	11.	15.	49.	64.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	24	7.	9.875	39.	0.	88.375	9.401	1.5	4.25	13.25	25.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	24	20.	22.083	40.	14.	55.819	7.471	14.	16.	26.	36.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	24	2.	2.125	6.	0.	1.853	1.361	0.5	1.	3.	4.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	16	150.	431.25	2000.	50.	293291.667	541.564	50.	50.	825.	1300.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	16	2.151	2.293	3.301	1.699	0.34	0.583	1.699	1.699	2.91	3.09
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			196.297								

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

Annual Analysis for 1962 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	23	19.	13.478	28.	0.	113.534	10.655	0.4	3.	24.	26.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	17	190.	979.588	5268.	3.	2444554.507	1563.507	8.6	34.	1591.	3685.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	24	10.	14.333	105.	2.	436.667	20.897	2.	3.25	16.75	28.5
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	24	10.2	10.413	13.8	7.5	5.469	2.339	7.7	8.2	12.725	13.45
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	23	94.	94.087	105.	86.	20.447	4.522	87.8	91.	97.	100.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	20	0.6	1.065	4.1	0.1	1.146	1.07	0.2	0.225	1.7	2.92
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	24	6.85	6.896	8.9	5.8	0.33	0.574	6.15	6.7	7.1	7.35
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	24	6.847	6.616	8.9	5.8	0.412	0.642	6.15	6.7	7.1	7.35
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	24	0.142	0.242	1.585	0.001	0.116	0.34	0.045	0.079	0.2	0.713

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Annual Analysis for 1962 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	24	12.	13.458	27.	6.	35.129	5.927	7.	9.	16.75	24.
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	24	48.	60.25	179.	32.	1079.5	32.856	33.5	40.25	78.	100.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	24	34.	43.208	123.	6.	786.868	28.051	17.	27.	47.75	93.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	24	11.5	17.042	56.	2.	282.824	16.817	2.	3.5	27.25	48.5
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	24	20.	22.917	46.	10.	90.08	9.491	13.	16.5	28.	41.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	24	2.5	2.875	6.	1.	2.114	1.454	1.	2.	4.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	22 ##	0.	1.545	14.	0.	13.974	3.738	0.	0.	0.	8.5
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	22	250.	827.955	5000.	5.	1828815.855	1352.337	50.	50.	1015.	3560.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	22	2.389	2.384	3.699	0.699	0.564	0.751	1.699	1.699	3.006	3.549
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			242.079								

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

Annual Analysis for 1963 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	22	15.	14.045	24.	0.	67.665	8.226	0.9	7.5	22.	24.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	23	290.	1581.087	20400.	4.	17698552.538	4206.965	18.	75.	1610.	3048.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	22	8.	18.5	120.	3.	781.5	27.955	3.3	5.	14.5	65.4
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	24	10.05	10.292	14.	7.	4.415	2.101	7.1	8.9	12.05	13.2
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	22	95.	94.545	119.	79.	70.736	8.41	83.9	89.25	100.	102.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	20	1.35	1.69	4.9	0.4	1.485	1.219	0.51	0.725	2.4	3.58
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	22	7.1	7.005	7.5	6.3	0.161	0.402	6.33	6.675	7.325	7.5
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	22	7.1	6.816	7.5	6.3	0.199	0.446	6.33	6.675	7.325	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	22	0.079	0.153	0.501	0.032	0.024	0.156	0.032	0.048	0.212	0.47
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	22	14.5	17.227	59.	4.	128.565	11.339	8.	9.75	22.	26.5
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	20	50.	77.	470.	27.	9153.368	95.673	30.2	36.	76.5	112.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	20	31.5	33.	61.	16.	104.737	10.234	21.3	27.75	35.25	51.9
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	20	13.5	20.6	84.	1.	509.726	22.577	1.2	4.25	31.75	60.5
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	18	17.	23.889	118.	8.	614.81	24.795	9.8	12.	24.5	47.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	22 ##	0.	1.045	3.	0.	1.665	1.29	0.	0.	2.25	3.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	22 ##	0.	7.455	43.	0.	150.736	12.277	0.	0.	11.	31.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	22	135.	955.682	8100.	5.	3159191.18	1777.411	50.	50.	1600.	2170.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	22	2.115	2.335	3.908	0.699	0.685	0.828	1.699	1.699	3.204	3.336
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			216.074								

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Annual Analysis for 1967 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	5	65.3	59.94	70.4	42.3	123.093	11.095	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	5	3.	4.6	10.	2.	10.3	3.209	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	5	7.	7.9	12.	2.5	16.8	4.099	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	5	59.	60.	79.	47.	139.	11.79	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	5	9.8	10.12	12.2	8.9	1.667	1.291	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	5	0.8	0.96	2.1	0.4	0.443	0.666	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	5	7.2	7.24	7.7	6.8	0.163	0.404	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	5	7.2	7.105	7.7	6.8	0.186	0.431	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	5	0.063	0.079	0.158	0.02	0.004	0.062	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	5	12.	13.	17.	10.	8.5	2.915	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	5	3.	3.6	5.	2.	1.8	1.342	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	5	40.	42.	56.	28.	160.	12.649	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	5	31.	37.8	51.	28.	135.7	11.649	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	4	40.5	40.25	51.	29.	140.917	11.871	**	**	**	**

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Annual Analysis for 1967 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	5	22.	22.4	26.	18.	8.8	2.966	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	5	1.	1.6	3.	1.	0.8	0.894	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	4	14.	14.25	15.	14.	0.25	0.5	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	2 ##	0.033	0.033	0.06	0.005	0.002	0.039	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	5	390.	386.	600.	190.	24730.	157.258	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	8	2450.	3417.5	7000.	240.	9539021.429	3088.531	**	**	**	**
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	8	3.382	3.278	3.845	2.38	0.333	0.577	**	**	**	**
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1896.161								

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Annual Analysis for 1968 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	10	53.15	52.22	73.8	32.3	254.926	15.966	32.43	37.125	69.8	73.49
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	10	6.5	6.8	15.	3.	13.289	3.645	3.	3.75	8.5	14.5
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	10 ##	4.25	4.35	7.	2.5	3.892	1.973	2.5	2.5	6.	6.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	10	56.	58.5	88.	44.	142.056	11.919	44.6	51.5	62.	85.7
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	10	10.9	11.23	14.2	7.9	5.845	2.418	7.97	8.75	13.775	14.18
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	10	0.7	0.78	1.8	0.2	0.222	0.471	0.21	0.375	1.025	1.73
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	10	7.	6.99	7.2	6.8	0.012	0.11	6.81	6.9	7.025	7.19
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	10	7.	6.978	7.2	6.8	0.012	0.111	6.81	6.9	7.025	7.19
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	10	0.1	0.105	0.158	0.063	0.001	0.026	0.065	0.095	0.126	0.155
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	10	12.	11.7	13.	9.	2.011	1.418	9.1	10.75	13.	13.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	10	3.	3.	5.	2.	1.111	1.054	2.	2.	4.	4.9
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	10	50.5	54.2	77.	42.	136.622	11.689	42.3	46.5	59.5	76.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	10	40.5	40.8	46.	32.	18.622	4.315	32.4	39.	44.25	45.9
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	10	11.	13.4	32.	3.	101.822	10.091	3.2	5.75	19.25	31.7
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	10	24.	24.2	32.	16.	20.844	4.566	16.4	21.5	28.	31.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	10	2.	2.35	4.	0.5	1.781	1.334	0.55	1.	4.	4.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	10	15.	14.8	23.	10.	11.511	3.393	10.2	12.75	15.25	22.3
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	10	0.27	0.253	0.6	0.005	0.052	0.227	0.005	0.005	0.483	0.589
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	3	8.	7.333	10.	4.	9.333	3.055	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	10	320.	415.	920.	110.	65472.222	255.875	116.	260.	632.5	901.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	9	50.	74.444	190.	20.	3227.778	56.814	20.	30.	115.	190.
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	10	525.	2151.	8100.	90.	8649010.	2940.92	99.	187.5	4325.	7940.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	10	2.695	2.866	3.908	1.954	0.505	0.711	1.984	2.273	3.62	3.899
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			734.562								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	2 ##	125.	125.	200.	50.	11250.	106.066	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	2 ##	2.	2.	2.301	1.699	0.181	0.426	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			100.								

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Annual Analysis for 1969 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	7	60.5	57.957	68.9	38.5	170.266	13.049	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	7	8.	8.143	12.	5.	5.143	2.268	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	7 ##	2.5	4.786	15.	2.5	21.988	4.689	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	7	64.	66.857	94.	52.	209.476	14.473	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	7	9.8	10.243	13.	8.3	3.816	1.954	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	7	98.	97.429	108.	90.	39.952	6.321	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	7	0.6	0.671	1.5	0.1	0.229	0.479	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	7	7.	7.1	7.7	6.8	0.097	0.311	**	**	**	**

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Annual Analysis for 1969 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	7	7.	7.026	7.7	6.8	0.103	0.321	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	7	0.1	0.094	0.158	0.02	0.002	0.048	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	7	11.	11.429	14.	10.	2.619	1.618	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	7	2.	2.429	3.	2.	0.286	0.535	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	7	54.	50.	59.	39.	55.333	7.439	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	7	48.	45.286	53.	30.	81.905	9.05	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	7	3.	4.714	12.	1.	15.238	3.904	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	7	26.	26.286	34.	18.	29.905	5.469	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	7	4.	4.143	6.	2.	1.81	1.345	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	7	15.	16.571	24.	12.	18.619	4.315	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	7	0.08	0.377	1.	0.005	0.199	0.446	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	7	4.	4.143	9.	2.	5.143	2.268	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	7	190.	251.429	470.	90.	19080.952	138.134	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	7	40.	42.857	80.	20.	390.476	19.76	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	7	3000.	12000.	68000.	100.	617570000.	24850.956	**	**	**	**
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	7	3.477	3.302	4.833	2.	0.896	0.946	**	**	**	**
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2005.666								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	3 ##	5.	10.	20.	5.	75.	8.66	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	3 ##	0.699	0.9	1.301	0.699	0.121	0.348	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.937								

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Annual Analysis for 1970 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	5	60.2	56.28	75.	33.8	248.997	15.78	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	5	10.	10.8	18.	4.	25.2	5.02	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	5	71.	67.4	73.	56.	50.3	7.092	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	5	10.2	10.48	14.	7.8	5.357	2.315	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	5	0.6	0.7	1.2	0.4	0.09	0.3	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	5	6.8	6.84	7.2	6.5	0.073	0.27	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	5	6.8	6.776	7.2	6.5	0.078	0.279	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	5	0.158	0.167	0.316	0.063	0.01	0.098	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	5	12.	16.2	25.	9.	52.7	7.259	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	5	2.	2.4	3.	2.	0.3	0.548	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	5	53.	58.8	85.	41.	305.2	17.47	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	5	43.	48.8	73.	37.	210.2	14.498	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	5	11.	10.	24.	1.	86.5	9.301	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	5	28.	31.6	40.	26.	36.8	6.066	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	5	3.	3.8	8.	2.	6.2	2.49	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	5	15.	16.4	24.	13.	19.3	4.393	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	4	0.065	0.068	0.12	0.02	0.002	0.043	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	5	3.	2.7	5.	0.5	3.7	1.924	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	5	170.	236.	450.	150.	15480.	124.419	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	5	30.	36.	70.	20.	430.	20.736	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	5	1000.	850.	1800.	50.	482500.	694.622	**	**	**	**
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	5	3.	2.695	3.255	1.699	0.392	0.626	**	**	**	**
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			494.939								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	5 ##	50.	50.	80.	20.	450.	21.213	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	5 ##	1.699	1.66	1.903	1.301	0.048	0.219	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			45.731								

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Annual Analysis for 1971 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	7	51.2	50.243	64.2	35.6	144.386	12.016	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	8	13.5	14.625	33.	6.	64.839	8.052	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	7 ##	2.5	3.357	6.	2.5	2.226	1.492	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	7	53.	55.429	67.	48.	50.952	7.138	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	7	11.2	11.229	13.4	9.1	3.396	1.843	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	7	97.	97.429	100.	95.	3.619	1.902	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	7	0.8	0.914	1.7	0.4	0.171	0.414	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	7	6.7	6.714	7.	6.5	0.028	0.168	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	7	6.7	6.688	7.	6.5	0.029	0.17	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	7	0.2	0.205	0.316	0.1	0.005	0.073	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	7	11.	10.429	12.	8.	2.286	1.512	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	7	3.	3.429	6.	1.	2.952	1.718	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	7	52.	52.	61.	44.	28.	5.292	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	7	43.	42.286	48.	37.	23.905	4.889	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	7	11.	9.714	16.	1.	31.905	5.648	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	7	28.	28.	44.	22.	61.333	7.832	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	7	6.	5.857	10.	2.	7.81	2.795	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	7	13.	12.857	15.	9.	4.81	2.193	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	5	0.07	0.072	0.09	0.06	0.	0.013	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	8 ##	1.	1.25	2.	1.	0.214	0.463	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	6	2.5	2.833	5.	1.	2.167	1.472	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	7	250.	261.429	420.	100.	11414.286	106.838	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	7 ##	10.	39.857	190.	5.	4460.81	66.789	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	7	30.	48.571	110.	10.	1147.619	33.877	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	6	500.	1933.333	6000.	100.	6066666.667	2463.06	**	**	**	**
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	6	2.699	2.913	3.778	2.	0.439	0.662	**	**	**	**
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			818.189								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	7 ##	10.	32.143	100.	5.	1323.81	36.384	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	7 ##	1.	1.214	2.	0.699	0.322	0.567	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			16.351								

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Annual Analysis for 1972 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	6	54.35	53.067	68.5	33.1	239.155	15.465	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	6	11.	11.	18.	4.	32.4	5.692	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	6 ##	2.5	3.417	8.	2.5	5.042	2.245	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	6	51.5	52.	61.	46.	28.4	5.329	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	6	10.85	10.917	13.8	8.6	4.642	2.154	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	6	97.	97.333	102.	94.	7.467	2.733	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	6	0.65	0.617	0.9	0.3	0.042	0.204	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	6	6.75	6.75	7.	6.5	0.035	0.187	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	6	6.747	6.717	7.	6.5	0.036	0.191	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	6	0.179	0.192	0.316	0.1	0.007	0.081	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	6	11.	11.333	15.	9.	5.867	2.422	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	6	3.	3.833	7.	2.	3.367	1.835	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	6	52.5	55.5	75.	45.	111.5	10.559	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	5	42.	42.6	50.	37.	23.8	4.879	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	5	8.	9.	18.	3.	32.	5.657	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	6	24.	24.333	32.	14.	40.667	6.377	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	6	2.	3.583	8.	0.5	12.042	3.47	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	6	14.	14.667	17.	13.	2.267	1.506	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	5 ##	2.	2.2	3.	1.	0.7	0.837	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	5	4.	4.5	8.	0.5	9.25	3.041	**	**	**	**

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

Annual Analysis for 1972 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	6	205.	230.	470.	80.	20480.	143.108	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	5	34.	34.4	56.	10.	274.8	16.577	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	6	35.	37.5	80.	5.	1077.5	32.825	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	6	200.	205.	360.	120.	6870.	82.885	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	5	1000.	4280.	18000.	200.	59287000.	7699.805	**	**	**	**
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	5	3.	3.062	4.255	2.301	0.599	0.774	**	**	**	**
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1154.61								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	6	55.	68.333	160.	5.	4606.667	67.872	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	6	1.628	1.495	2.204	0.699	0.48	0.693	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.276								

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Annual Analysis for 1973 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	8	53.9	55.5	76.	35.4	219.06	14.801	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	8	14.5	28.125	100.	5.	1000.125	31.625	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	8	5.	6.563	15.	2.5	14.246	3.774	**	**	**	**
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	8	57.5	60.5	84.	50.	127.714	11.301	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	8	10.85	10.613	13.2	8.	3.884	1.971	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	8	97.4	97.787	103.	94.6	9.407	3.067	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	8	0.9	0.838	1.	0.6	0.017	0.13	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	8	6.7	6.725	6.8	6.6	0.005	0.071	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	8	6.7	6.72	6.8	6.6	0.005	0.071	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	8	0.2	0.191	0.251	0.158	0.001	0.032	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	8	9.	10.875	25.	8.	33.268	5.768	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	8	2.5	3.5	9.	2.	5.714	2.39	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	8	59.5	63.625	95.	43.	333.696	18.267	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	8	45.5	45.75	59.	30.	96.5	9.823	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	8	11.5	18.125	47.	3.	276.125	16.617	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	1 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	1	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	8	6.	5.75	10.	0.	7.643	2.765	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	8	25.	30.	48.	18.	160.	12.649	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	8	3.	2.938	6.	0.5	3.46	1.86	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	8	13.5	13.75	17.	11.	6.214	2.493	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	8	0.04	0.041	0.05	0.03	0.	0.008	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	8	2.	2.438	6.	0.5	3.388	1.841	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	8	475.	681.25	1600.	280.	209926.786	458.178	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	8	29.	30.	70.	10.	370.286	19.243	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	8	79.	78.25	140.	32.	1208.5	34.763	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	8	260.	405.	1080.	160.	102914.286	320.803	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	8	400.	1193.75	3700.	50.	1976026.786	1405.712	**	**	**	**
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	8	2.602	2.689	3.568	1.699	0.475	0.689	**	**	**	**
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			488.303								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	8	75.	93.75	200.	10.	7083.929	84.166	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	8	1.822	1.719	2.301	1.	0.32	0.566	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			52.34								

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Annual Analysis for 1974 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	8	56.5	56.375	72.	40.	127.125	11.275	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	3	16.	23.333	45.	9.	364.333	19.088	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	8	5.5	6.	8.	5.	1.429	1.195	**	**	**	**
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	5	1.	1.4	2.	1.	0.3	0.548	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	4	75.	77.5	90.	70.	91.667	9.574	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	8	59.	58.125	70.	43.	87.268	9.342	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	8	10.	10.35	12.8	8.4	2.497	1.58	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	5	96.5	98.28	103.1	94.8	14.152	3.762	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	8	0.6	0.725	1.7	0.3	0.214	0.462	**	**	**	**
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	5	7.	7.06	7.3	6.9	0.023	0.152	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	5	7.	7.041	7.3	6.9	0.023	0.153	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	5	0.1	0.091	0.126	0.05	0.001	0.028	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	7	6.8	6.786	7.1	6.5	0.048	0.219	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	7	6.8	6.738	7.1	6.5	0.051	0.225	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	7	0.158	0.183	0.316	0.079	0.009	0.095	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	8	8.5	9.125	15.	3.	16.982	4.121	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	8	3.	3.25	5.	2.	1.357	1.165	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	8	48.5	49.75	71.	41.	87.929	9.377	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	6	40.	37.	42.	27.	33.6	5.797	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	8	8.5	11.125	25.	4.	54.982	7.415	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	7 ##	0.015	0.035	0.11	0.015	0.001	0.037	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	7	0.12	0.152	0.3	0.015	0.009	0.097	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	7	0.02	0.02	0.041	0.001	0.	0.015	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	8	4.	4.375	7.	2.	2.554	1.598	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	8	22.	20.5	26.	12.	16.857	4.106	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	8	3.5	3.875	6.	2.	1.839	1.356	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	8	12.5	12.375	15.	10.	2.268	1.506	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	4	0.04	0.04	0.05	0.03	0.	0.012	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	6 ##	1.5	2.167	5.	1.	2.567	1.602	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	7	2.	2.	3.	0.5	1.25	1.118	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	4	515.	555.	920.	270.	73900.	271.846	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	7 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	4	79.5	93.	153.	60.	1912.667	43.734	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	4	242.5	283.75	490.	160.	22622.917	150.409	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	7	800.	1021.429	3300.	50.	1214880.952	1102.216	**	**	**	**
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	7	2.903	2.716	3.519	1.699	0.411	0.641	**	**	**	**
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			520.11								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	7 ##	50.	71.429	100.	50.	714.286	26.726	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	7 ##	1.699	1.828	2.	1.699	0.026	0.161	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			67.295								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	2	35.5	35.5	42.	29.	84.5	9.192	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	4	2.5	4.25	11.	1.	20.917	4.573	**	**	**	**

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Annual Analysis for 1975 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	12	55.	55.333	79.	37.	200.788	14.17	38.2	42.5	68.5	76.9
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	12	6.	6.917	11.	5.	4.083	2.021	5.	5.25	8.5	10.7
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	10	1.	1.32	3.	1.	0.384	0.62	1.	1.	1.4	2.84
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	8	67.5	74.375	100.	50.	381.696	19.537	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	53.	53.	67.	35.	104.182	10.207	36.2	46.5	61.25	66.7
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	12	10.6	10.708	13.6	7.5	3.943	1.986	7.77	9.1	12.525	13.54
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	12	99.6	98.425	107.5	88.8	32.946	5.74	89.61	92.65	101.25	107.14
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	10	0.75	0.808	1.7	0.08	0.204	0.452	0.112	0.475	1.05	1.65
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	9	7.1	7.044	7.6	6.3	0.123	0.35	6.3	6.9	7.2	7.6

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Annual Analysis for 1975 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	9	7.1	6.894	7.6	6.3	0.148	0.385	6.3	6.9	7.2	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	9	0.079	0.128	0.501	0.025	0.021	0.145	0.025	0.063	0.129	0.501
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.65	6.667	7.1	6.2	0.081	0.284	6.23	6.425	6.9	7.07
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.647	6.583	7.1	6.2	0.088	0.297	6.23	6.425	6.9	7.07
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.225	0.262	0.631	0.079	0.03	0.172	0.086	0.126	0.378	0.592
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	9.	9.667	14.	8.	3.515	1.875	8.	8.	10.75	13.4
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	12	2.	2.583	5.	1.	1.902	1.379	1.	1.25	4.	4.7
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	12	47.	64.	139.	41.	949.818	30.819	41.6	45.	70.25	130.3
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	10.5	21.917	101.	1.	889.174	29.819	1.	4.5	24.5	89.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	12	0.13	0.119	0.2	0.04	0.002	0.046	0.049	0.073	0.15	0.188
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.33	0.363	0.74	0.2	0.024	0.156	0.206	0.245	0.46	0.677
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	10	0.465	0.548	0.9	0.37	0.033	0.181	0.377	0.455	0.62	0.896
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.045	0.085	0.24	0.02	0.006	0.077	0.023	0.031	0.123	0.236
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	12	7.	6.417	10.	2.	8.083	2.843	2.3	3.5	9.5	10.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	22.	22.727	32.	16.	33.018	5.746	16.	18.	28.	32.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	12	4.	28.667	300.	1.	7304.97	85.469	1.3	3.	6.	212.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	11.	11.917	16.	7.	7.72	2.778	7.9	10.	14.75	16.
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	6	0.03	0.028	0.04	0.01	0.	0.012	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	12	3.5	5.417	24.	1.	40.447	6.36	1.	1.25	6.75	19.2
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	6	1.	1.25	2.	0.5	0.375	0.612	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	4	550.	500.	660.	240.	40800.	201.99	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	12	29.	39.833	120.	10.	1123.242	33.515	10.	20.	52.	111.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	4	59.5	60.	76.	45.	174.	13.191	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	4	255.	247.5	400.	80.	24491.667	156.498	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	12	350.	728.333	5300.	50.	2115451.515	1454.459	50.	87.5	567.5	3890.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	12	2.54	2.454	3.724	1.699	0.338	0.581	1.699	1.849	2.753	3.44
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			284.521								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10 ##	50.	209.	1400.	40.	181365.556	425.87	41.	50.	112.5	1290.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10 ##	1.699	1.912	3.146	1.602	0.251	0.501	1.612	1.699	1.894	3.079
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			81.623								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	11	37.	36.	46.	27.	35.4	5.95	27.	32.	40.	45.2
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	12	9.	12.417	40.	2.	118.083	10.867	2.3	4.25	17.5	34.6

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Annual Analysis for 1976 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	12	52.5	53.25	69.	33.5	165.795	12.876	35.15	40.625	67.5	68.7
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	12	9.	9.833	15.	5.	17.242	4.152	5.	6.	15.	15.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	12	1.2	1.3	2.	1.	0.142	0.377	1.	1.	1.4	2.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	12	77.5	83.333	120.	60.	460.606	21.462	60.	66.25	101.25	120.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	60.	67.917	99.	58.	186.447	13.655	58.	60.	73.75	96.3
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	3	12.8	12.7	13.3	12.	0.43	0.656	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	9	9.5	10.056	13.6	7.9	3.458	1.86	7.9	8.65	11.65	13.6
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	12	97.35	96.25	103.9	86.2	41.059	6.408	86.29	90.35	102.825	103.84
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	9	1.	1.256	2.8	0.5	0.503	0.709	0.5	0.75	1.6	2.8
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	11	6.7	6.736	7.4	6.	0.211	0.459	6.02	6.4	7.2	7.36
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	11	6.7	6.523	7.4	6.	0.261	0.51	6.02	6.4	7.2	7.36
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	11	0.2	0.3	1.	0.04	0.101	0.317	0.044	0.063	0.398	0.959
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.65	6.642	6.9	6.2	0.052	0.227	6.23	6.525	6.875	6.9
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.647	6.583	6.9	6.2	0.056	0.236	6.23	6.525	6.875	6.9
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.225	0.261	0.631	0.126	0.025	0.157	0.126	0.134	0.3	0.592
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	9.5	11.083	17.	8.	9.902	3.147	8.	9.	13.75	16.7
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	11	3.	3.364	8.	1.	4.255	2.063	1.2	2.	4.	7.6
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	12	53.5	57.333	87.	40.	192.788	13.885	41.2	46.25	68.	83.1
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	6.5	9.5	32.	3.	71.545	8.458	3.	3.25	10.75	28.1

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Annual Analysis for 1976 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	12	0.165	0.171	0.36	0.04	0.011	0.105	0.043	0.083	0.235	0.354
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.545	0.608	1.24	0.17	0.113	0.337	0.17	0.365	0.863	1.177
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.56	0.559	0.76	0.41	0.009	0.095	0.422	0.49	0.6	0.73
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.07	0.158	1.18	0.017	0.105	0.324	0.018	0.027	0.117	0.867
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	12	6.5	5.958	9.	0.5	5.748	2.398	1.55	4.25	8.	8.7
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	22.	25.667	44.	18.	66.061	8.128	18.6	20.	29.5	42.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	12	4.5	4.583	7.	2.	2.992	1.73	2.	3.25	6.	7.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	13.5	13.25	17.	10.	4.932	2.221	10.	11.25	14.75	16.7
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	11	0.05	0.068	0.14	0.03	0.002	0.042	0.03	0.04	0.12	0.138
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	12	2.	2.458	7.	0.5	3.884	1.971	0.65	1.	3.75	6.4
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	7	2.	2.143	5.	0.5	3.06	1.749	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	4	260.	305.	530.	170.	26700.	163.401	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	12	27.	37.167	90.	10.	668.697	25.859	10.	20.	50.	87.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	4	51.	52.5	76.	32.	406.333	20.158	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	4	148.	169.	320.	60.	15310.667	123.736	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	10	300.	445.	1500.	50.	213583.333	462.151	55.	100.	625.	1450.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	10	2.477	2.443	3.176	1.699	0.212	0.46	1.729	2.	2.774	3.158
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			277.419								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10 ##	50.	110.	300.	50.	8222.222	90.676	50.	50.	200.	290.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10 ##	1.699	1.927	2.477	1.699	0.1	0.316	1.699	1.699	2.301	2.46
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			84.586								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	12	43.5	43.583	76.	9.	255.902	15.997	16.8	36.75	47.5	72.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	12	0.039	0.119	0.98	0.013	0.074	0.272	0.013	0.017	0.072	0.711
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	12	6.5	7.5	15.	3.	16.825	4.102	3.24	4.	10.75	14.4

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Annual Analysis for 1977 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	12	57.	54.708	77.	34.	211.93	14.558	34.3	38.75	66.875	74.9
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	12	12.	14.417	30.	8.	39.174	6.259	8.6	10.	18.	27.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	12	1.4	1.767	3.	1.	0.675	0.822	1.	1.	2.75	3.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	11	60.	81.364	260.	50.	3620.455	60.17	50.	55.	80.	224.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	62.5	73.083	223.	40.	2327.356	48.243	43.	51.5	70.75	178.
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	12	10.1	10.633	13.7	8.4	4.268	2.066	8.43	8.75	13.1	13.7
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	12	96.75	96.767	103.6	91.7	15.926	3.991	91.73	92.475	100.35	103.
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	10	1.55	1.57	2.6	1.	0.193	0.44	1.02	1.2	1.725	2.52
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	6.8	6.95	7.6	6.4	0.201	0.448	6.43	6.55	7.475	7.6
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	6.789	6.78	7.6	6.4	0.232	0.482	6.43	6.55	7.475	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.163	0.166	0.398	0.025	0.016	0.127	0.025	0.039	0.287	0.374
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.6	6.625	7.3	6.1	0.113	0.336	6.16	6.4	6.875	7.21
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.6	6.52	7.3	6.1	0.125	0.354	6.16	6.4	6.875	7.21
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.251	0.302	0.794	0.05	0.044	0.209	0.065	0.134	0.398	0.706
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	9.5	10.167	23.	3.	32.333	5.686	3.9	6.	11.5	21.8
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	12	2.	2.75	7.	1.	3.295	1.815	1.	1.25	3.75	6.4
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	12	51.5	59.833	155.	39.	967.97	31.112	39.3	44.	61.25	127.7
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	4.5	6.917	21.	1.	48.629	6.973	1.	1.5	10.	20.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	12	0.085	0.082	0.14	0.03	0.001	0.032	0.036	0.053	0.1	0.134
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	11	0.21	0.243	0.42	0.1	0.013	0.115	0.102	0.15	0.36	0.418
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.49	0.482	0.74	0.28	0.027	0.165	0.292	0.323	0.615	0.737
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.034	0.034	0.065	0.017	0.	0.015	0.018	0.02	0.039	0.063
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	12	7.	7.5	14.	4.	8.273	2.876	4.	5.25	8.75	13.1
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	27.	31.5	92.	18.	381.909	19.542	18.6	22.5	30.	74.
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	12	3.5	4.417	10.	2.	6.083	2.466	2.	3.	5.75	9.4
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	13.5	18.333	70.	11.	269.697	16.422	11.3	12.	15.75	54.7
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	12	0.06	0.078	0.23	0.03	0.003	0.058	0.033	0.04	0.095	0.203

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Annual Analysis for 1977 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	12	2.	2.042	6.	0.5	2.384	1.544	0.65	1.	2.	5.4
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	12 ##	0.5	0.875	2.	0.5	0.324	0.569	0.5	0.5	1.	2.
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	5	440.	384.	460.	280.	7480.	86.487	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	12 ##	10.	14.833	58.	10.	193.061	13.895	10.	10.	10.	46.6
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	4	132.	116.	140.	60.	1418.667	37.665	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	4	190.	217.	350.	138.	8529.333	92.354	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	11	500.	1322.727	6400.	50.	3656681.818	1912.245	60.	200.	1600.	5740.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	11	2.699	2.733	3.806	1.699	0.41	0.641	1.759	2.301	3.204	3.743
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			540.728								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10	75.	160.	800.	0.	54888.889	234.284	5.	50.	200.	740.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10	1.849	1.83	2.903	0.	0.563	0.751	0.17	1.699	2.301	2.843
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			67.624								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	12	37.	48.25	152.	32.	1095.841	33.103	32.3	35.	45.	120.8
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	12	0.009	0.015	0.057	0.001	0.	0.016	0.002	0.004	0.022	0.049
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	11	7.	7.382	17.	2.8	18.036	4.247	2.84	4.8	10.	16.

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Annual Analysis for 1978 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	12.5	11.792	23.	0.	65.066	8.066	0.3	2.5	19.125	22.4
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	12	54.5	53.225	73.4	32.	210.815	14.519	32.54	36.5	66.425	72.32
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	12	11.	11.833	35.	5.	65.788	8.111	5.	7.	14.25	29.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	11	1.4	1.382	2.	1.	0.188	0.433	1.	1.	2.	2.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	12	67.5	68.75	110.	25.	409.659	20.24	32.5	61.25	80.	101.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	69.	71.5	105.	56.	197.909	14.068	56.6	61.25	75.	100.8
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	11	10.1	10.509	14.2	8.	3.711	1.926	8.2	9.1	11.8	14.08
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	11	97.1	97.318	110.7	91.8	28.56	5.344	91.9	92.5	99.5	108.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	11	1.5	1.445	2.2	0.6	0.193	0.439	0.68	1.3	1.7	2.16
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	7	7.	7.786	23.	0.5	52.321	7.233	**	**	**	**
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	6.8	6.733	7.	6.3	0.053	0.231	6.33	6.55	6.95	7.
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	6.8	6.673	7.	6.3	0.057	0.239	6.33	6.55	6.95	7.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.158	0.212	0.501	0.1	0.016	0.127	0.1	0.115	0.287	0.47
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.55	6.433	7.	5.7	0.168	0.41	5.79	6.025	6.775	6.97
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.547	6.254	7.	5.7	0.203	0.451	5.79	6.025	6.775	6.97
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.284	0.558	1.995	0.1	0.313	0.56	0.108	0.169	0.949	1.697
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	8.	8.917	16.	4.	9.174	3.029	4.6	7.25	10.75	14.5
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	12	2.5	3.167	7.	2.	2.515	1.586	2.	2.	4.	6.4
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	9	56.	54.667	67.	42.	64.25	8.016	42.	47.	59.5	67.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	4.	5.583	14.	1.	14.629	3.825	1.3	3.	8.75	12.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	12	0.055	0.07	0.28	0.005	0.005	0.072	0.01	0.023	0.08	0.223
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.19	0.239	0.66	0.12	0.021	0.144	0.129	0.165	0.28	0.555
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.575	0.618	0.98	0.43	0.024	0.156	0.436	0.52	0.725	0.92
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.04	0.148	1.244	0.018	0.12	0.347	0.02	0.029	0.061	0.916
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	11	7.	6.636	10.	4.	5.855	2.42	4.	4.	9.	10.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	24.	25.333	32.	22.	13.333	3.651	22.	22.	29.5	31.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	12	4.	4.417	9.	1.	6.265	2.503	1.3	3.	5.75	9.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	14.	15.333	23.	12.	10.606	3.257	12.3	13.	16.75	22.1
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	12	0.06	0.086	0.2	0.04	0.003	0.055	0.04	0.05	0.128	0.191
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	12	5.	5.542	11.	0.5	9.975	3.158	0.95	3.25	8.25	10.7
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	12 ##	0.5	1.	3.	0.5	0.727	0.853	0.5	0.5	1.75	2.7
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	4	580.	565.	860.	240.	85966.667	293.201	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	12 ##	10.	12.5	30.	10.	38.636	6.216	10.	10.	10.	27.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	4	96.	110.	214.	34.	6894.	83.03	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	3	210.	243.333	440.	80.	33233.333	182.3	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	12	350.	529.167	2200.	50.	370208.333	608.447	65.	100.	775.	1780.

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Annual Analysis for 1978 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	12	2.5	2.461	3.342	1.699	0.271	0.52	1.789	2.	2.889	3.211
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			289.388								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12 ##	50.	66.667	100.	50.	606.061	24.618	50.	50.	100.	100.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12 ##	1.699	1.799	2.	1.699	0.022	0.148	1.699	1.699	2.	2.
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			62.996								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	12	42.	42.917	61.	34.	80.265	8.959	34.	35.	51.25	58.9
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	12	0.005	0.01	0.047	0.002	0.	0.013	0.002	0.002	0.013	0.038
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	11	4.9	5.336	14.	2.	9.681	3.111	2.2	4.	6.	12.4

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Annual Analysis for 1979 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	11	13.5	11.782	21.2	0.	50.172	7.083	0.4	5.7	17.	21.14
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	4	41.	44.15	62.6	32.	188.73	13.738	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	3	5000.	4493.333	5580.	2900.	1988133.333	1410.012	**	**	**	**
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	11	10.	14.636	40.	5.	130.455	11.422	5.	5.	20.	38.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	11	1.4	1.473	3.	1.	0.402	0.634	1.	1.	2.	2.8
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	11	60.	64.091	76.	55.	58.691	7.661	55.	60.	70.	76.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	11	60.	61.182	75.	44.	71.564	8.46	45.8	56.	68.	73.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	10	9.75	10.44	14.6	8.	3.929	1.982	8.07	9.225	12.1	14.38
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	1	13.1	13.1	13.1	13.1	0.	0.	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	11	96.4	96.136	101.2	87.9	13.127	3.623	88.88	94.7	98.5	100.94
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	11	1.8	1.8	2.9	0.5	0.602	0.776	0.54	1.4	2.4	2.86
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	11	8.	8.545	16.	4.	16.673	4.083	4.	4.	11.	15.8
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	11	6.6	6.645	7.7	6.2	0.177	0.42	6.2	6.4	6.8	7.56
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	11	6.6	6.52	7.7	6.2	0.194	0.441	6.2	6.4	6.8	7.56
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	11	0.251	0.302	0.631	0.02	0.037	0.194	0.036	0.158	0.398	0.631
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	11	6.6	6.691	7.	6.5	0.027	0.164	6.5	6.6	6.8	6.98
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	11	6.6	6.665	7.	6.5	0.028	0.166	6.5	6.6	6.8	6.98
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	11	0.251	0.216	0.316	0.1	0.005	0.073	0.105	0.158	0.251	0.316
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	10.	9.909	17.	5.	11.691	3.419	5.2	7.	12.	16.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	9	2.	2.111	4.	1.	1.361	1.167	1.	1.	3.	4.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	11	8.	13.	39.	1.	134.2	11.584	1.4	4.	16.	36.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	11	0.09	0.084	0.12	0.04	0.001	0.029	0.04	0.06	0.11	0.12
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	10	0.3	0.285	0.41	0.15	0.008	0.088	0.152	0.193	0.34	0.409
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	11	0.39	0.455	0.71	0.29	0.022	0.149	0.294	0.35	0.63	0.704
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	11	0.028	0.031	0.051	0.007	0.	0.013	0.01	0.024	0.041	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	2	8.	8.	10.	6.	8.	2.828	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	30.	32.727	60.	20.	203.418	14.262	20.	20.	40.	59.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	11	5.	7.727	21.	3.	27.218	5.217	3.2	4.	10.	18.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	11	12.	12.273	15.	7.	5.018	2.24	7.8	11.	14.	15.
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	11	0.04	0.041	0.05	0.03	0.	0.007	0.03	0.04	0.05	0.05
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	11	1.	1.727	5.	0.5	2.318	1.523	0.5	0.5	2.	4.8
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	11 ##	0.5	0.545	1.	0.5	0.023	0.151	0.5	0.5	0.5	0.9
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	3	1560.	1466.667	2200.	640.	614933.333	784.177	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	11 ##	10.	14.	40.	10.	92.	9.592	10.	10.	10.	36.8
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	3	118.	128.	210.	56.	6004.	77.485	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	2	1170.	1170.	1400.	940.	105800.	325.269	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	11	680.	1153.636	5100.	100.	2101485.455	1449.65	108.	200.	1500.	4520.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	11	2.833	2.802	3.708	2.	0.262	0.512	2.029	2.301	3.176	3.635
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			633.572								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	90.	208.636	800.	5.	85070.455	291.668	12.	50.	200.	796.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	1.954	1.968	2.903	0.699	0.373	0.611	0.88	1.699	2.301	2.901
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			92.985								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	11	37.	36.364	41.	30.	8.855	2.976	30.6	35.	38.	40.4

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Annual Analysis for 1979 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	11	0.008	0.012	0.042	0.001	0.	0.012	0.001	0.003	0.019	0.038
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	2 ##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	11	9.5	9.9	28.	4.	49.45	7.032	4.	4.4	13.	25.2

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Annual Analysis for 1980 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	13	12.8	11.908	22.7	0.	62.527	7.907	1.24	4.75	20.5	22.26
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	2	35.15	35.15	38.3	32.	19.845	4.455	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	13	1860.	2667.077	7770.	285.	5658114.244	2378.679	458.2	974.5	3585.	7562.
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	13	10.	11.308	40.	5.	90.564	9.517	5.	5.	10.	32.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	11	1.4	1.509	2.	1.4	0.059	0.243	1.4	1.4	1.4	2.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	13	68.	67.	120.	41.	386.333	19.655	43.8	51.5	72.5	104.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	13	73.	73.077	102.	54.	177.577	13.326	54.4	63.	80.	96.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	11	9.6	10.273	14.8	8.	5.092	2.257	8.	8.1	12.4	14.4
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	12	97.5	98.7	106.	95.	11.196	3.346	95.	96.2	101.15	104.92
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	13	1.4	1.362	2.6	0.3	0.764	0.874	0.34	0.45	2.25	2.56
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	11	12.	10.545	21.	0.5	55.623	7.458	0.5	4.	16.	20.6
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	13	6.6	6.708	7.8	5.9	0.252	0.502	6.1	6.5	6.9	7.68
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	13	6.6	6.508	7.8	5.9	0.296	0.544	6.1	6.5	6.9	7.68
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	13	0.251	0.311	1.259	0.016	0.096	0.309	0.022	0.157	0.316	0.915
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	13	6.8	6.715	7.1	6.1	0.085	0.291	6.22	6.45	6.95	7.06
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	13	6.8	6.615	7.1	6.1	0.096	0.309	6.22	6.45	6.95	7.06
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	13	0.158	0.243	0.794	0.079	0.039	0.198	0.088	0.113	0.357	0.636
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	13	11.	10.846	17.	5.	9.808	3.132	6.2	8.5	12.5	16.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	13	7.	8.846	26.	2.	43.974	6.631	2.4	4.	13.	21.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	12	0.085	0.092	0.18	0.04	0.002	0.045	0.04	0.05	0.118	0.174
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.32	0.307	0.58	0.13	0.018	0.135	0.136	0.19	0.368	0.547
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.57	0.598	0.8	0.39	0.014	0.117	0.423	0.518	0.7	0.782
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.035	0.047	0.125	0.013	0.001	0.035	0.015	0.031	0.047	0.122
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	5	5.	6.	11.	3.	10.	3.162	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	13	22.	24.615	40.	8.	80.256	8.959	11.2	19.	33.	38.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	13	4.	5.692	15.	2.	13.731	3.706	2.4	3.	8.	13.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	12.5	13.	19.	6.	11.273	3.357	7.2	12.	15.5	18.4
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	13	0.04	0.047	0.07	0.02	0.	0.013	0.028	0.04	0.06	0.066
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	12	1.	1.292	5.	0.5	1.657	1.287	0.5	0.5	1.75	4.1
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	13 ##	0.5	0.808	3.	0.5	0.481	0.693	0.5	0.5	1.	2.2
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	4	350.	620.	1600.	180.	433333.333	658.281	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	12 ##	10.	38.333	320.	10.	7887.879	88.814	10.	10.	20.	230.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	4	47.	61.	114.	36.	1276.	35.721	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	2	470.	470.	760.	180.	168200.	410.122	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	13	800.	857.692	2900.	50.	517435.897	719.33	110.	350.	1150.	2220.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	13	2.903	2.778	3.462	1.699	0.193	0.439	1.94	2.54	3.06	3.309
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			599.283								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	13	40.	53.846	150.	5.	2254.808	47.485	5.	20.	80.	146.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	13	1.602	1.537	2.176	0.699	0.226	0.475	0.699	1.301	1.903	2.164
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			34.464								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	13	42.	45.769	79.	30.	168.192	12.969	32.	36.5	54.5	70.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	12	0.007	0.257	3.	0.002	0.746	0.864	0.003	0.005	0.012	2.104
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	13 ##	0.5	0.923	3.	0.5	0.702	0.838	0.5	0.5	1.25	2.6
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	13	17.	23.615	75.	2.	578.09	24.043	3.6	7.	26.	75.

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

Annual Analysis for 1981 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	12.	11.817	24.3	0.3	59.965	7.744	1.29	4.4	19.525	23.22
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	12	1665.	2954.167	13700.	344.	13369243.97	3656.398	465.8	794.5	3570.	11012.
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	12	8.5	8.583	15.	5.	13.72	3.704	5.	5.	10.	15.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	12	1.4	1.75	4.	1.4	0.714	0.845	1.4	1.4	1.4	3.7
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	12	59.	58.083	96.	32.	259.174	16.099	35.6	45.25	64.75	88.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	75.	75.583	118.	48.	312.629	17.681	51.6	63.5	85.	109.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	9.75	9.967	13.7	6.9	5.062	2.25	7.14	8.	12.3	13.37
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	12	96.5	94.083	101.	70.	76.083	8.723	74.8	93.	100.	100.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	12	1.95	1.767	3.1	0.5	0.584	0.764	0.56	0.975	2.1	2.89
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	12	8.	9.75	20.	2.	42.932	6.552	2.6	4.	16.	19.7
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	6.7	6.642	6.9	6.4	0.026	0.162	6.4	6.5	6.775	6.87
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	6.7	6.614	6.9	6.4	0.027	0.165	6.4	6.5	6.775	6.87
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.2	0.243	0.398	0.126	0.009	0.093	0.136	0.169	0.316	0.398
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.8	6.842	7.2	6.5	0.075	0.275	6.5	6.6	7.15	7.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.789	6.768	7.2	6.5	0.081	0.285	6.5	6.6	7.15	7.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.163	0.171	0.316	0.063	0.009	0.097	0.063	0.072	0.251	0.316
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	11.	11.083	18.	7.	9.174	3.029	7.	9.25	12.75	16.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	4.	5.25	17.	0.5	26.341	5.132	0.5	1.25	6.75	15.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	12	0.065	0.066	0.14	0.03	0.001	0.034	0.03	0.03	0.093	0.128
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.205	0.293	1.1	0.06	0.081	0.285	0.066	0.113	0.395	0.893
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.615	0.617	0.89	0.35	0.022	0.147	0.374	0.523	0.725	0.848
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.034	0.035	0.06	0.02	0.	0.011	0.022	0.027	0.04	0.055
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	4	4.	4.	5.	3.	0.667	0.816	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	24.	31.	56.	20.	156.727	12.519	20.	20.	43.5	52.4
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	12	5.5	5.167	8.	2.	2.697	1.642	2.6	4.	6.	7.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	14.	14.667	24.	10.	13.879	3.725	10.	13.	16.75	21.9
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	12	0.04	0.048	0.08	0.03	0.	0.015	0.033	0.04	0.058	0.077
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	12	2.5	2.875	6.	0.5	3.006	1.734	0.65	2.	3.75	6.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	12	1.	0.958	2.	0.5	0.294	0.542	0.5	0.5	1.	2.
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	4	410.	425.	550.	330.	8966.667	94.692	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	12 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	4	67.	65.5	92.	36.	526.333	22.942	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	3	100.	173.333	360.	60.	26533.333	162.891	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	10	250.	625.	3000.	50.	812916.667	901.619	55.	100.	925.	2800.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	10	2.389	2.461	3.477	1.699	0.319	0.564	1.729	2.	2.966	3.429
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			288.899								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	20.	43.182	160.	5.	2481.364	49.813	6.	10.	70.	150.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	1.301	1.406	2.204	0.699	0.211	0.46	0.759	1.	1.845	2.172
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			25.494								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	12	42.5	43.417	59.	33.	65.356	8.084	33.3	36.	48.	57.5
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	12	0.017	0.017	0.035	0.002	0.	0.01	0.002	0.01	0.024	0.033
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12 ##	0.5	1.458	5.	0.5	2.566	1.602	0.5	0.5	2.5	4.7
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	12	6.5	8.083	18.	3.	25.902	5.089	3.	4.25	12.5	17.4

** - 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 1982 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	11	15.1	12.682	25.	2.6	58.292	7.635	2.94	5.8	19.2	24.28
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	11	1258.	3298.273	20600.	156.	35066244.418	5921.676	183.8	446.	2750.	17514.
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	11	5.	7.273	10.	5.	6.818	2.611	5.	5.	10.	10.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	12	1.4	1.5	2.	1.4	0.055	0.234	1.4	1.4	1.4	2.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	11	57.	58.091	83.	40.	165.691	12.872	40.8	47.	68.	80.8
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	11	71.	68.182	103.	26.	366.964	19.156	31.4	61.	79.	98.8
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	11	9.2	9.991	13.5	7.1	4.815	2.194	7.24	8.2	12.2	13.4
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	11	94.	95.855	105.	89.	33.233	5.765	89.2	92.	103.	104.88

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Annual Analysis for 1982 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	11	1.4	1.373	2.6	0.5	0.398	0.631	0.5	1.	1.6	2.52
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	12	6.	8.917	32.	4.	71.174	8.436	4.	4.	8.	28.1
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	11	6.8	6.809	8.1	6.2	0.307	0.554	6.22	6.4	7.1	7.94
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	11	6.8	6.595	8.1	6.2	0.357	0.598	6.22	6.4	7.1	7.94
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	11	0.158	0.254	0.631	0.008	0.042	0.206	0.016	0.079	0.398	0.605
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	11	6.6	6.655	7.	6.2	0.051	0.225	6.26	6.5	6.9	6.98
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	11	6.6	6.599	7.	6.2	0.054	0.233	6.26	6.5	6.9	6.98
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	11	0.251	0.252	0.631	0.1	0.021	0.146	0.105	0.126	0.316	0.568
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	10.	11.455	17.	7.	11.073	3.328	7.2	9.	15.	16.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	11	5.	8.364	28.	1.	54.855	7.406	1.6	4.	11.	25.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	12	0.07	0.072	0.17	0.02	0.002	0.042	0.023	0.035	0.098	0.149
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.16	0.217	0.66	0.05	0.032	0.179	0.065	0.113	0.208	0.612
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.51	0.493	0.74	0.23	0.034	0.184	0.251	0.303	0.688	0.725
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.019	0.031	0.133	0.01	0.001	0.034	0.01	0.013	0.037	0.107
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	5	3.	3.2	5.	2.	1.7	1.304	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	30.	31.455	56.	16.	117.673	10.848	16.8	26.	36.	53.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	11	5.	4.364	6.	2.	1.255	1.12	2.2	4.	5.	5.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	14.	15.333	24.	10.	18.242	4.271	10.3	11.5	18.5	23.1
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	11	0.04	0.043	0.06	0.03	0.	0.011	0.03	0.03	0.05	0.06
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	12	1.	1.333	3.	0.5	0.561	0.749	0.5	1.	2.	2.7
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	11 ##	0.5	0.636	1.	0.5	0.055	0.234	0.5	0.5	1.	1.
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	6	460.	554.5	1400.	115.	216333.5	465.117	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	12 ##	10.	9.25	16.	5.	9.477	3.079	5.	6.25	10.	14.2
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	6	64.	72.	146.	30.	1526.4	39.069	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	2	150.	150.	240.	60.	16200.	127.279	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	11	400.	636.364	2200.	50.	518045.455	719.754	50.	100.	800.	2120.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	11	2.602	2.523	3.342	1.699	0.314	0.56	1.699	2.	2.903	3.325
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			333.64								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	40.	65.	370.	5.	10985.	104.809	6.	10.	70.	314.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	1.602	1.479	2.568	0.699	0.295	0.543	0.759	1.	1.845	2.445
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.14								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	11	40.	39.	64.	20.	147.6	12.149	20.2	33.	45.	60.8
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	12	0.007	0.007	0.017	0.001	0.	0.005	0.001	0.002	0.01	0.016
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	11 ##	0.5	1.682	6.	0.5	3.564	1.888	0.5	0.5	3.	5.6
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	12	8.	9.333	27.	3.	45.333	6.733	3.	4.25	11.	23.7

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Annual Analysis for 1983 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	11.4	12.342	23.4	3.5	41.139	6.414	3.68	6.925	18.4	22.02
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	12	1975.	3260.333	11200.	102.	9995994.061	3161.644	250.2	977.	5300.	9640.
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	12	10.	11.25	30.	5.	59.659	7.724	5.	5.	15.	27.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	12	1.4	1.45	2.	1.4	0.03	0.173	1.4	1.4	1.4	1.82
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	12	60.	123.417	850.	41.	52443.72	229.006	42.8	49.5	64.75	617.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	64.5	123.083	778.	47.	42607.356	206.415	49.4	56.75	73.5	567.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	10.2	9.942	12.3	6.8	3.041	1.744	6.89	8.975	11.45	12.12
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	11	94.	94.636	106.	75.	76.255	8.732	77.	93.	102.	105.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	12	1.25	1.4	3.	0.5	0.384	0.619	0.65	1.025	1.65	2.67
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.2	7.033	7.7	6.1	0.166	0.408	6.28	6.75	7.275	7.58
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.2	6.82	7.7	6.1	0.216	0.465	6.28	6.75	7.275	7.58
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.063	0.151	0.794	0.02	0.044	0.211	0.029	0.053	0.181	0.616
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.6	6.667	7.6	6.	0.141	0.375	6.15	6.5	6.775	7.42
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.6	6.543	7.6	6.	0.157	0.397	6.15	6.5	6.775	7.42
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.251	0.286	1.	0.025	0.059	0.242	0.048	0.169	0.316	0.795
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	10.	10.25	15.	6.	4.568	2.137	6.6	10.	11.	14.1

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Annual Analysis for 1983 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	7.5	6.75	15.	1.	19.114	4.372	1.	2.5	10.	13.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	12	0.055	0.058	0.09	0.03	0.	0.019	0.033	0.043	0.068	0.09
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	11	0.24	0.275	0.55	0.12	0.02	0.141	0.124	0.16	0.36	0.54
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.525	0.5	0.66	0.03	0.027	0.164	0.156	0.465	0.613	0.654
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.018	0.019	0.048	0.006	0.	0.012	0.007	0.008	0.029	0.043
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	11	4.	4.273	6.	2.	1.218	1.104	2.2	4.	5.	5.8
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	28.	41.667	208.	0.	2852.242	53.406	6.6	22.5	35.	158.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	12	4.	6.25	26.	3.	39.477	6.283	3.3	4.	5.75	20.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	14.	32.833	240.	8.	4272.515	65.364	8.3	11.25	17.75	174.6
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	12	0.04	0.048	0.16	0.03	0.001	0.036	0.03	0.03	0.048	0.127
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	12	1.	1.417	3.	0.5	0.902	0.949	0.5	0.5	2.	3.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	12 ##	0.5	4.708	51.	0.5	212.521	14.578	0.5	0.5	0.5	35.85
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	3	500.	493.333	760.	220.	72933.333	270.062	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	12 ##	5.	5.875	10.	0.5	7.824	2.797	1.85	5.	8.75	10.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	3	80.	70.	110.	20.	2100.	45.826	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	1	400.	400.	400.	400.	0.	0.	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	12	800.	745.833	1900.	50.	314299.242	560.624	95.	200.	975.	1780.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	12	2.903	2.706	3.279	1.699	0.213	0.461	1.88	2.301	2.989	3.248
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			508.017								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	45.	62.917	230.	5.	4833.902	69.526	5.	8.75	90.	209.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	1.651	1.51	2.362	0.699	0.336	0.58	0.699	0.849	1.945	2.314
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			32.373								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	12	41.5	42.25	57.	31.	79.659	8.925	31.	34.25	51.	56.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	12	0.006	0.006	0.013	0.002	0.	0.003	0.002	0.002	0.008	0.012
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12	1.5	1.958	5.	0.5	2.248	1.499	0.5	0.625	3.	4.7
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	12	9.5	10.667	26.	5.	38.97	6.243	5.	6.	13.75	23.3

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Annual Analysis for 1984 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	13.6	12.467	21.9	0.5	48.701	6.979	1.94	6.275	17.75	21.36
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	12	947.	3054.417	15830.	250.	20262128.629	4501.347	250.	324.25	3785.	13121.
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	10	5.	8.5	40.	5.	122.5	11.068	5.	5.	5.	36.5
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	10	1.7	1.86	3.	1.	0.472	0.687	1.04	1.4	2.25	3.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	9	59.	62.889	96.	47.	230.361	15.178	47.	51.	71.	96.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	63.	62.333	93.	44.	140.424	11.85	46.4	55.25	65.	85.5
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	8.75	9.667	12.6	7.4	2.888	1.699	7.67	8.375	11.475	12.33
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	10	94.5	91.	97.	77.	53.333	7.303	77.2	87.25	96.25	97.
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	9	1.	1.011	1.7	0.6	0.096	0.31	0.6	0.8	1.1	1.7
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	2	11.	11.	14.	8.	18.	4.243	**	**	**	**
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.05	6.992	8.2	5.9	0.39	0.624	6.02	6.475	7.375	8.02
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.047	6.62	8.2	5.9	0.541	0.735	6.02	6.475	7.375	8.02
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.09	0.24	1.259	0.006	0.127	0.356	0.012	0.042	0.348	1.032
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.75	6.625	7.	6.2	0.075	0.273	6.2	6.4	6.8	6.97
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.747	6.543	7.	6.2	0.082	0.286	6.2	6.4	6.8	6.97
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.179	0.286	0.631	0.1	0.036	0.19	0.108	0.158	0.398	0.631
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	11.5	14.583	27.	5.	48.992	6.999	6.5	10.	19.75	27.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	5.5	7.875	37.	0.5	93.46	9.667	0.65	3.	9.	28.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	10	0.025	0.031	0.1	0.005	0.001	0.027	0.006	0.018	0.033	0.094
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	11	0.1	0.092	0.17	0.02	0.002	0.05	0.02	0.04	0.13	0.162
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.525	0.484	0.77	0.02	0.051	0.225	0.041	0.423	0.63	0.746
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	11	0.015	0.023	0.092	0.008	0.001	0.024	0.008	0.01	0.029	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	10	3.	3.45	8.	1.	4.136	2.034	1.	2.125	4.25	7.7
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	10	30.	34.6	52.	26.	95.156	9.755	26.	26.	42.5	51.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	10	4.5	4.3	6.	2.	1.344	1.16	2.1	3.75	5.	5.9

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Annual Analysis for 1984 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	13.	15.917	30.	5.	48.447	6.96	6.8	13.	22.	28.5
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	8	0.055	0.099	0.24	0.04	0.005	0.073	**	**	**	**
01027p	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	10 ##	0.5	0.7	1.	0.5	0.067	0.258	0.5	0.5	1.	1.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	5	380.	504.	980.	180.	101280.	318.245	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	10 ##	5.	7.	20.	5.	23.333	4.83	5.	5.	6.25	19.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	5	52.	52.4	76.	26.	364.8	19.1	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	4	290.	305.	500.	140.	27300.	165.227	**	**	**	**
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	10	450.	585.	1400.	50.	302250.	549.773	55.	100.	1225.	1390.
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	10	2.573	2.503	3.146	1.699	0.311	0.558	1.729	2.	3.088	3.143
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			318.379								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	10.	49.167	200.	5.	3840.152	61.969	5.	10.	100.	173.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	1.	1.352	2.301	0.699	0.33	0.574	0.699	1.	1.992	2.223
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.512								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	10	38.5	40.	69.	29.	118.222	10.873	29.3	35.	40.25	66.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	8	0.015	0.021	0.073	0.005	0.	0.022	**	**	**	**
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12 ##	0.5	0.625	2.	0.5	0.188	0.433	0.5	0.5	0.5	1.55
82079p	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	10	5.5	8.9	25.	3.	51.656	7.187	3.1	4.	12.	24.3

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Annual Analysis for 1985 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	14.55	14.342	26.1	0.8	73.137	8.552	2.12	5.75	23.125	25.62
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	10	2655.	4554.9	22200.	114.	42625285.878	6528.804	135.1	633.25	5626.	20556.4
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	12	65.5	69.583	100.	41.	442.811	21.043	43.1	49.25	88.75	99.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	60.	62.25	90.	46.	234.75	15.322	46.	47.5	72.	89.1
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	11	9.1	9.364	13.	6.6	4.863	2.205	6.64	7.	11.7	12.78
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	11	89.	89.636	98.	83.	23.655	4.864	83.	85.	94.	97.4
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	13	6.	7.769	24.	1.	47.359	6.882	1.4	2.	8.	22.4
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	11	7.4	7.455	8.1	7.	0.155	0.393	7.	7.	7.8	8.08
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	11	7.4	7.314	8.1	7.	0.176	0.42	7.	7.	7.8	8.08
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	11	0.04	0.048	0.1	0.008	0.001	0.037	0.008	0.016	0.1	0.1
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	11	6.7	6.691	7.2	6.	0.131	0.362	6.08	6.4	7.	7.18
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	11	6.7	6.549	7.2	6.	0.153	0.391	6.08	6.4	7.	7.18
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	11	0.2	0.282	1.	0.063	0.071	0.267	0.066	0.1	0.398	0.88
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	10.	11.182	18.	5.	20.964	4.579	5.4	7.	15.	18.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	4.	12.25	68.	1.	421.477	20.53	1.	1.5	8.25	59.6
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	13	0.14	0.162	0.55	0.02	0.019	0.139	0.024	0.075	0.215	0.434
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	13	0.59	0.679	1.04	0.39	0.044	0.211	0.434	0.52	0.9	1.016
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	10	0.023	0.029	0.095	0.005	0.001	0.027	0.006	0.01	0.036	0.091
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	13	17.	15.846	23.	4.	35.141	5.928	4.8	13.	21.	23.
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	13	410.	670.	4800.	100.	1571726.	1253.685	101.6	165.	460.	3168.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	13	36.	81.385	520.	14.	18030.923	134.279	15.6	26.	68.	355.2
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	13	180.	356.154	2360.	40.	376625.641	613.698	44.	90.	340.	1576.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	30.	134.545	1150.	5.	114422.273	338.264	5.	10.	40.	944.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	1.477	1.498	3.061	0.699	0.437	0.661	0.699	1.	1.602	2.864
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.453								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5

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

Annual Analysis for 1986 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	12.85	12.958	22.1	1.8	52.959	7.277	2.43	6.45	20.025	21.92
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	12	2600.	4090.167	12100.	312.	17274425.788	4156.251	326.4	1307.5	6335.	12100.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	12	73.	79.75	142.	55.	482.568	21.967	58.3	69.	87.75	126.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	67.5	63.833	93.	36.	317.242	17.811	37.8	47.5	75.	90.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	9.3	9.558	12.1	7.3	2.644	1.626	7.39	8.15	10.9	12.07
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	12	90.5	91.25	105.	85.	27.295	5.225	85.	88.25	93.	101.7
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	12	4.	6.	14.	1.	22.364	4.729	1.	2.	11.5	13.4
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.2	7.192	8.	6.8	0.101	0.318	6.8	7.025	7.2	7.85
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.2	7.109	8.	6.8	0.108	0.329	6.8	7.025	7.2	7.85
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.063	0.078	0.158	0.01	0.002	0.044	0.016	0.063	0.095	0.158
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.65	6.625	7.1	6.1	0.133	0.365	6.1	6.25	6.975	7.07
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.647	6.486	7.1	6.1	0.154	0.392	6.1	6.25	6.975	7.07
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.225	0.326	0.794	0.079	0.073	0.27	0.086	0.106	0.573	0.794
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	10.	11.25	20.	3.	28.75	5.362	3.6	7.	14.75	20.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	5.5	9.25	40.	1.	121.295	11.013	1.	3.25	11.	34.
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.18	0.194	0.46	0.05	0.014	0.119	0.056	0.093	0.248	0.421
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.605	0.687	1.25	0.27	0.107	0.328	0.27	0.348	0.938	1.199
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	10	0.022	0.036	0.125	0.002	0.001	0.036	0.003	0.012	0.047	0.119
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	16.	16.75	30.	9.	39.841	6.312	9.3	11.5	19.75	28.8
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	12	285.	460.	1700.	100.	216781.818	465.598	130.	212.5	425.	1520.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	12	50.	58.167	134.	34.	696.333	26.388	35.2	46.5	65.5	116.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	12	160.	278.333	900.	100.	78142.424	279.54	106.	125.	235.	882.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	20.	38.75	140.	5.	2159.659	46.472	5.	6.25	60.	134.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	1.301	1.31	2.146	0.699	0.268	0.517	0.699	0.774	1.753	2.126
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.432								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12 ##	0.5	1.792	9.	0.5	6.294	2.509	0.5	0.5	2.	7.5

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Annual Analysis for 1987 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	9	9.	11.533	22.5	3.2	60.458	7.775	3.2	4.25	20.5	22.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	12	1135.	1987.417	8200.	251.	5145753.72	2268.425	253.7	550.25	2837.5	6950.8
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	6	77.	84.333	104.	69.	240.667	15.513	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	12	84.	82.417	120.	57.	353.538	18.803	58.2	64.	95.75	115.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	8	9.6	9.6	12.2	7.4	3.386	1.84	**	**	**	**
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	8	90.	89.875	93.	87.	4.411	2.1	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	12 ##	2.	3.5	8.	2.	5.182	2.276	2.	2.	4.	8.
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	9	7.3	7.156	7.5	6.4	0.143	0.378	6.4	6.85	7.4	7.5
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	9	7.3	6.977	7.5	6.4	0.179	0.423	6.4	6.85	7.4	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	9	0.05	0.105	0.398	0.032	0.015	0.122	0.032	0.04	0.15	0.398
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	11	6.5	6.573	7.3	5.7	0.2	0.447	5.82	6.3	6.9	7.26
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	11	6.5	6.358	7.3	5.7	0.251	0.501	5.82	6.3	6.9	7.26
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	11	0.316	0.439	1.995	0.05	0.296	0.545	0.056	0.126	0.501	1.696
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	11.	12.25	19.	3.	20.932	4.575	4.8	10.	17.25	18.7
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	3.5	4.625	17.	0.5	21.324	4.618	0.65	1.25	5.75	14.6
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.13	0.146	0.38	0.08	0.006	0.079	0.08	0.11	0.148	0.32
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.59	0.6	0.99	0.29	0.038	0.196	0.314	0.428	0.705	0.936
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.014	0.017	0.046	0.003	0.	0.014	0.003	0.007	0.026	0.043
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	14.5	14.333	21.	8.	18.424	4.292	8.	10.5	17.75	20.7
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	12	252.	315.167	680.	180.	25932.697	161.036	180.	190.	395.	644.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	12	44.	48.167	120.	20.	827.242	28.762	21.2	28.5	51.5	109.8
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	12	140.	193.333	540.	60.	22206.061	149.017	60.	80.	305.	486.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	35.	49.583	130.	5.	2611.174	51.1	5.	5.	100.	130.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	1.389	1.347	2.114	0.699	0.409	0.64	0.699	0.699	1.992	2.114
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			22.24								

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Annual Analysis for 1987 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	11	6.	6.545	15.	0.5	25.223	5.022	0.5	2.	10.	14.6

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Annual Analysis for 1988 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	13.05	12.825	22.7	2.	57.82	7.604	2.18	5.05	20.85	22.46
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	12	1006.	1143.917	2460.	312.	462441.902	680.031	387.9	601.	1542.5	2397.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	10	75.5	86.1	131.	71.	375.878	19.388	71.	73.25	95.25	128.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	9.2	9.533	12.5	7.6	2.784	1.669	7.66	7.9	11.125	12.2
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	9	91.	91.	93.	89.	1.5	1.225	89.	90.	92.	93.
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	12 ##	2.	2.917	8.	1.	3.538	1.881	1.3	2.	4.	6.8
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	11	7.2	7.182	7.5	6.8	0.034	0.183	6.86	7.1	7.3	7.48
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	11	7.2	7.145	7.5	6.8	0.035	0.187	6.86	7.1	7.3	7.48
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	11	0.063	0.072	0.158	0.032	0.001	0.033	0.033	0.05	0.079	0.143
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.85	6.858	7.1	6.6	0.028	0.168	6.6	6.725	7.	7.07
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.847	6.828	7.1	6.6	0.029	0.171	6.6	6.725	7.	7.07
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.142	0.149	0.251	0.079	0.004	0.059	0.086	0.1	0.189	0.251
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	10.5	11.417	18.	8.	12.447	3.528	8.	8.	14.5	17.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	1.5	4.417	17.	1.	36.265	6.022	1.	1.	4.75	17.
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.085	0.095	0.21	0.005	0.004	0.063	0.007	0.048	0.13	0.204
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.405	0.5	0.92	0.31	0.038	0.194	0.316	0.36	0.617	0.875
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.008	0.008	0.017	0.003	0.	0.004	0.003	0.004	0.012	0.016
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	20.	20.5	28.	14.	17.727	4.21	14.6	17.	24.5	27.1
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	12	185.	204.167	480.	60.	13771.97	117.354	63.	95.	262.5	426.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	12	32.	31.667	56.	12.	156.242	12.5	13.8	21.	40.5	53.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	12	110.	115.833	240.	20.	5735.606	75.734	20.	37.5	195.	228.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	20.	39.583	210.	5.	3406.629	58.366	5.	6.25	60.	168.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	1.301	1.291	2.322	0.699	0.267	0.516	0.699	0.774	1.753	2.179
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			19.534								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12	9.5	10.292	36.	0.5	86.203	9.285	0.65	4.	13.25	29.4

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Annual Analysis for 1989 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	10.8	11.392	24.1	0.3	59.043	7.684	1.2	4.425	18.525	23.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	10	3475.	5914.2	17600.	962.	35327025.289	5943.654	971.8	2440.	8037.5	17450.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	11	80.	81.636	107.	62.	229.455	15.148	62.2	69.	96.	106.2
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	10.4	10.258	13.3	7.4	3.577	1.891	7.46	8.4	11.875	12.94
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	5	94.	93.2	97.	90.	9.7	3.114	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	12	4.	8.5	52.	2.	197.909	14.068	2.	2.	8.	40.
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.15	7.142	7.6	6.6	0.101	0.318	6.66	6.9	7.45	7.57
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.125	7.038	7.6	6.6	0.113	0.336	6.66	6.9	7.45	7.57
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.075	0.092	0.251	0.025	0.004	0.067	0.027	0.036	0.126	0.223
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.8	6.817	7.1	6.5	0.034	0.185	6.53	6.7	6.975	7.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.8	6.781	7.1	6.5	0.036	0.189	6.53	6.7	6.975	7.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.158	0.165	0.316	0.079	0.005	0.07	0.079	0.106	0.2	0.297
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	10.5	15.5	40.	7.	112.818	10.622	7.3	8.25	20.	37.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	7.	9.292	24.	0.5	53.93	7.344	0.95	3.5	16.5	22.2
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.115	0.122	0.25	0.02	0.003	0.056	0.035	0.1	0.148	0.226
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.44	0.404	0.57	0.08	0.019	0.138	0.134	0.328	0.5	0.555

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Annual Analysis for 1989 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.014	0.016	0.033	0.006	0.	0.01	0.006	0.007	0.022	0.033
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	18.	18.25	26.	12.	13.841	3.72	12.6	16.25	19.75	25.1
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	12	370.	497.5	1120.	170.	108947.727	330.072	176.	237.5	832.5	1072.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	12	54.	67.333	180.	20.	2283.697	47.788	22.7	32.5	82.75	168.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	12	275.	304.167	770.	25.	47621.97	218.225	55.	130.	422.5	719.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	55.	185.833	1600.	5.	200676.515	447.969	5.	20.	95.	1174.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	1.739	1.693	3.204	0.699	0.458	0.677	0.699	1.301	1.976	2.919
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			49.324								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12 ##	0.5	4.917	19.	0.5	46.447	6.815	0.5	0.5	12.25	17.2

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Annual Analysis for 1990 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	11.	12.017	22.2	4.2	36.932	6.077	4.53	6.575	17.125	21.96
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	7	3060.	2937.857	6240.	342.	4294340.143	2072.279	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	12	93.	94.333	113.	76.	157.152	12.536	77.5	83.5	107.75	113.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	10.15	10.225	12.1	8.	1.995	1.412	8.06	9.05	11.5	12.07
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	12 ##	2.	4.167	12.	2.	11.242	3.353	2.	2.	7.	10.8
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.65	7.492	8.1	6.2	0.268	0.518	6.41	7.25	7.8	8.04
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.647	7.078	8.1	6.2	0.455	0.674	6.41	7.25	7.8	8.04
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.023	0.084	0.631	0.008	0.031	0.175	0.009	0.016	0.057	0.479
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	12	6.95	6.85	7.2	6.2	0.086	0.294	6.29	6.65	7.	7.2
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	12	6.947	6.743	7.2	6.2	0.099	0.314	6.29	6.65	7.	7.2
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	12	0.113	0.181	0.631	0.063	0.026	0.161	0.063	0.1	0.228	0.537
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	10.	10.167	14.	7.	6.152	2.48	7.	8.	12.	14.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	4.5	4.625	10.	0.5	10.597	3.255	0.65	1.25	6.75	10.
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.105	0.161	0.34	0.05	0.011	0.106	0.05	0.063	0.27	0.322
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.675	0.659	0.86	0.5	0.011	0.107	0.506	0.575	0.735	0.833
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.011	0.013	0.031	0.003	0.	0.008	0.004	0.008	0.018	0.029
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	16.5	16.333	20.	12.	6.97	2.64	12.3	14.	18.	20.
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	11	125.	260.227	720.	7.5	65188.068	255.32	18.	60.	570.	696.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	11	30.	30.909	70.	2.5	557.841	23.619	2.5	10.	50.	68.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	11	200.	315.	750.	80.	58305.	241.464	86.	120.	490.	740.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	15.	30.	140.	5.	1754.545	41.887	5.	5.	27.5	125.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	12	1.151	1.19	2.146	0.699	0.241	0.491	0.699	0.699	1.433	2.089
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			15.478								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12 ##	0.5	1.833	9.	0.5	6.515	2.552	0.5	0.5	2.75	7.5

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Annual Analysis for 1991 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	13.95	14.317	25.	5.1	59.396	7.707	5.22	6.375	22.875	24.91
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	2	1447.5	1447.5	2400.	495.	1814512.5	1347.038	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	12	95.5	103.667	157.	73.	902.606	30.043	73.3	77.75	128.75	154.3
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	9.8	9.775	12.3	7.4	3.369	1.836	7.46	7.825	11.75	12.27
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	12 ##	2.	4.833	12.	2.	16.333	4.041	2.	2.	8.	12.
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.45	7.458	7.9	7.	0.095	0.309	7.03	7.2	7.75	7.9
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.447	7.364	7.9	7.	0.105	0.324	7.03	7.2	7.75	7.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.036	0.043	0.1	0.013	0.001	0.028	0.013	0.018	0.063	0.094
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	3	6.6	6.567	6.6	6.5	0.003	0.058	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	3	6.6	6.564	6.6	6.5	0.003	0.058	**	**	**	**

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Annual Analysis for 1991 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	3	0.251	0.273	0.316	0.251	0.001	0.038	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	12	13.	13.667	22.	5.	32.424	5.694	5.9	9.	18.5	22.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	8.	13.75	57.	1.	263.841	16.243	1.	5.25	16.25	50.1
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.12	0.133	0.27	0.05	0.005	0.07	0.05	0.063	0.19	0.252
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.605	0.571	0.76	0.33	0.025	0.157	0.33	0.408	0.71	0.754
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.015	0.021	0.079	0.005	0.	0.02	0.006	0.009	0.028	0.065
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	20.	22.	40.	10.	110.	10.488	10.3	12.5	28.75	40.
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	12	105.	197.083	570.	40.	31779.356	178.268	41.5	51.25	352.5	525.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	12	22.5	24.375	45.	2.5	229.688	15.155	4.75	10.	38.75	45.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	12	230.	843.75	6000.	50.	2880677.841	1697.256	59.	81.25	682.5	4740.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	30.	133.636	900.	5.	69800.455	264.198	5.	10.	160.	766.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	1.477	1.573	2.954	0.699	0.496	0.704	0.699	1.	2.204	2.836
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			37.374								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12 ##	0.75	4.75	17.	0.5	36.25	6.021	0.5	0.5	9.75	16.1

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Annual Analysis for 1992 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	11	15.	12.664	21.6	1.9	54.669	7.394	2.06	5.	19.1	21.54
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	11	85.	88.091	131.	67.	311.491	17.649	67.6	77.	95.	125.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	10	9.9	10.42	13.	8.4	2.684	1.638	8.43	8.925	12.1	12.91
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	11 ##	2.	4.545	12.	2.	13.673	3.698	2.	2.	8.	11.2
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	11	7.	7.173	7.6	6.9	0.076	0.276	6.9	6.9	7.4	7.6
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	11	7.	7.103	7.6	6.9	0.082	0.286	6.9	6.9	7.4	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	11	0.1	0.079	0.126	0.025	0.002	0.041	0.025	0.04	0.126	0.126
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	12.	12.909	28.	5.	41.291	6.426	5.4	8.	17.	26.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	11	4.	5.682	15.	0.5	23.114	4.808	0.6	1.	9.	14.4
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	11	0.13	0.125	0.2	0.05	0.003	0.054	0.05	0.05	0.16	0.198
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	11	0.33	0.349	0.56	0.005	0.024	0.155	0.05	0.27	0.47	0.552
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	11	0.012	0.012	0.024	0.004	0.	0.006	0.004	0.007	0.013	0.024
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	11	20.	21.364	34.	8.	45.055	6.712	9.8	18.	26.	32.8
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	10	57.5	77.	270.	25.	5256.667	72.503	25.	36.25	83.75	254.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	11	10.	12.045	25.	2.5	51.023	7.143	3.	5.	20.	24.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	11	180.	192.273	460.	25.	16326.818	127.776	32.	90.	260.	438.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	10.	17.909	50.	2.	295.091	17.178	2.6	5.	40.	48.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	1.	1.055	1.699	0.301	0.203	0.451	0.381	0.699	1.602	1.68
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.343								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	11 ##	0.5	2.318	8.	0.5	7.664	2.768	0.5	0.5	5.	7.6

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Annual Analysis for 1993 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	10	10.7	11.43	23.5	2.6	50.085	7.077	2.71	4.6	16.725	23.28
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	10	85.	85.5	137.	40.	594.722	24.387	43.4	74.	96.25	133.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	10	11.05	10.87	13.1	8.3	2.778	1.667	8.33	9.35	12.225	13.08
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	2 ##	7.	7.	12.	2.	50.	7.071	**	**	**	**
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	10	7.35	7.2	8.3	4.2	1.36	1.166	4.47	6.975	8.05	8.29
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	10	7.325	5.197	8.3	4.2	5.818	2.412	4.47	6.975	8.05	8.29
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	10	0.047	6.354	63.096	0.005	397.483	19.937	0.005	0.009	0.106	56.799

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Annual Analysis for 1993 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	10	10.5	11.7	22.	8.	22.011	4.692	8.	8.	13.5	21.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	10	5.5	4.9	9.	1.	11.433	3.381	1.	1.	8.25	9.
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	10 ##	0.095	0.13	0.4	0.05	0.012	0.111	0.05	0.05	0.178	0.38
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	10	0.39	0.424	0.67	0.3	0.017	0.129	0.301	0.318	0.528	0.664
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	10	0.007	0.008	0.014	0.003	0.	0.004	0.003	0.003	0.011	0.014
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	10	20.	21.1	29.	17.	12.767	3.573	17.1	18.75	24.	28.5
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	10	144.5	136.8	280.	30.	5825.511	76.325	33.5	65.	187.5	273.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	10	17.5	22.65	57.	2.5	301.558	17.365	2.75	8.75	36.75	55.5
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	10	240.	1404.9	11258.	25.	12082547.211	3475.996	25.	25.	835.25	10217.3
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10	10.	24.5	80.	5.	685.833	26.188	5.	5.	50.	77.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	10	1.	1.17	1.903	0.699	0.207	0.455	0.699	0.699	1.699	1.883
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			14.788								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	10 ##	0.5	1.05	6.	0.5	3.025	1.739	0.5	0.5	0.5	5.45

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

Annual Analysis for 1994 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	12	13.25	12.692	22.2	3.1	44.957	6.705	3.19	5.725	18.85	21.27
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	11	84.	85.273	125.	62.	356.018	18.868	62.8	73.	89.	122.6
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	12	9.8	10.367	14.	8.1	3.362	1.834	8.19	9.225	11.525	13.76
00340p	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.45	7.542	8.2	7.	0.123	0.35	7.06	7.3	7.8	8.14
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	12	7.447	7.428	8.2	7.	0.137	0.37	7.06	7.3	7.8	8.14
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	12	0.036	0.037	0.1	0.006	0.001	0.027	0.007	0.016	0.05	0.089
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	1	100000.	100000.	100000.	100000.	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	11	12.	13.818	24.	6.	33.764	5.811	6.8	10.	20.	23.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	12	3.5	6.708	30.	0.5	67.839	8.236	0.65	2.	9.25	24.9
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	12	0.12	0.162	0.53	0.05	0.019	0.137	0.05	0.05	0.223	0.449
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	12	0.39	0.403	0.74	0.23	0.023	0.152	0.236	0.278	0.52	0.689
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	12	0.006	0.009	0.032	0.001	0.	0.009	0.001	0.003	0.016	0.028
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	12	18.5	20.167	31.	12.	46.515	6.82	12.6	14.25	28.25	30.7
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	12	227.5	398.75	1300.	80.	160809.659	401.011	80.	106.25	686.25	1199.5
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	12	25.	38.475	100.	1.7	985.362	31.39	5.69	15.	63.75	95.5
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	12	97.5	254.583	995.	25.	101942.992	319.285	25.	32.5	372.5	924.5
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	20.	76.818	350.	5.	15431.364	124.223	6.	10.	60.	340.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	11	1.301	1.455	2.544	0.699	0.362	0.602	0.759	1.	1.778	2.531
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			28.501								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	12 ##	0.75	4.75	31.	0.5	77.886	8.825	0.5	0.5	4.5	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 1995 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	6	8.15	10.267	21.4	4.9	35.519	5.96	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	6	85.	85.167	112.	56.	462.967	21.517	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	1	69.	69.	69.	69.	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	6	10.45	10.633	12.7	7.9	3.199	1.788	**	**	**	**
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	6	7.4	7.417	7.8	6.9	0.102	0.319	**	**	**	**

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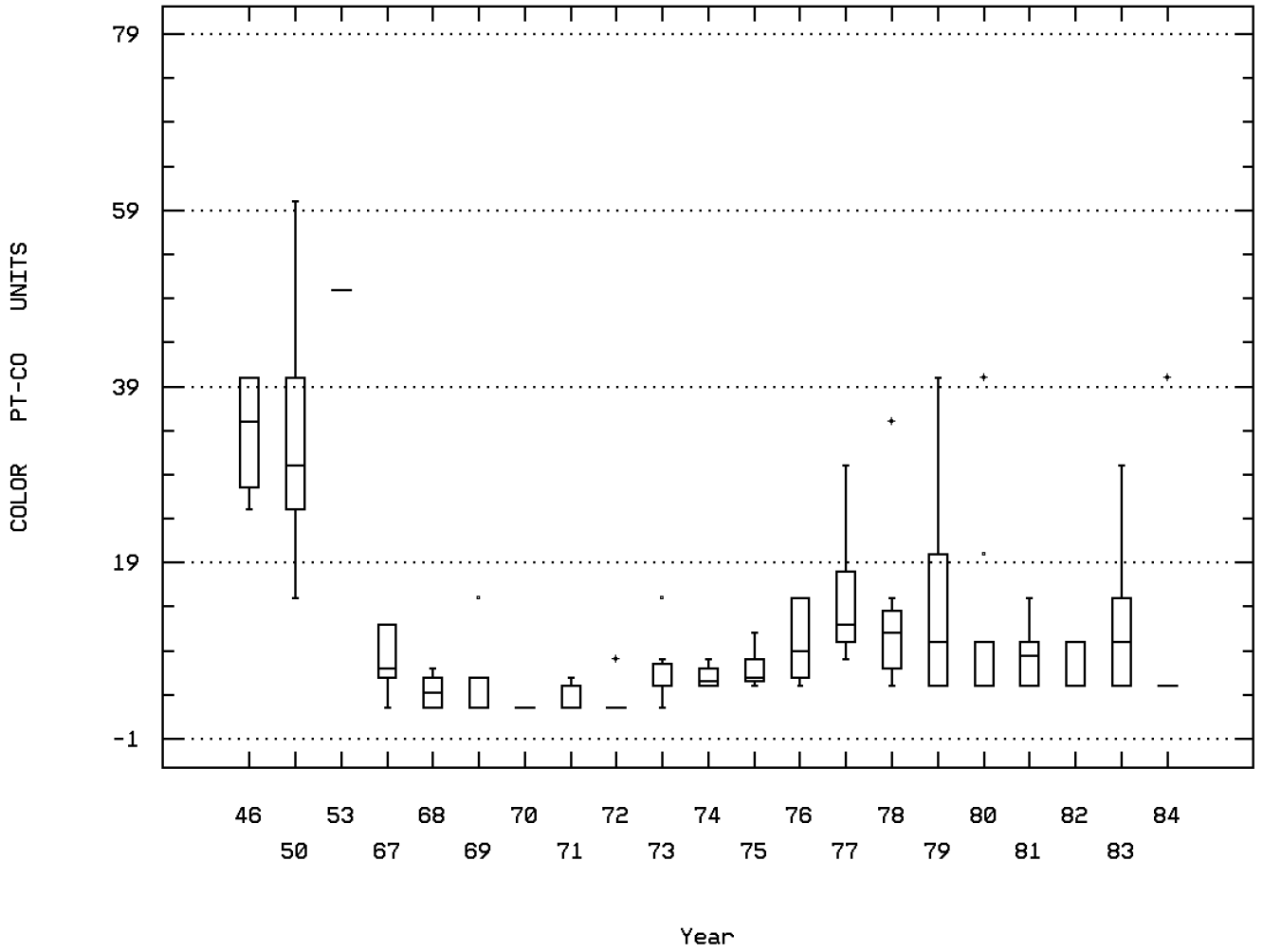
Annual Analysis for 1995 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	6	7.4	7.314	7.8	6.9	0.114	0.338	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	6	0.04	0.049	0.126	0.016	0.002	0.04	**	**	**	**
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	6	10.	10.667	14.	8.	5.467	2.338	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	6	6.5	8.833	20.	1.	76.567	8.75	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	4	0.22	0.193	0.28	0.05	0.011	0.107	**	**	**	**
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	6	0.45	0.42	0.57	0.26	0.017	0.129	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	6	0.007	0.013	0.029	0.004	0.	0.011	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	5	36.	36.8	44.	30.	29.2	5.404	**	**	**	**
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	6	13.5	14.167	24.	8.	31.367	5.601	**	**	**	**
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	6	257.5	305.	560.	120.	37220.	192.925	**	**	**	**
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	6	1.5	2.067	6.	0.7	4.071	2.018	**	**	**	**
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	6	32.5	32.917	60.	2.5	556.042	23.581	**	**	**	**
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	6	90.	144.167	390.	25.	21334.167	146.062	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	5	10.	31.	90.	5.	1280.	35.777	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	5	1.	1.251	1.954	0.699	0.262	0.512	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.826								
70508p	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	6	4.5	5.417	16.	0.5	31.642	5.625	**	**	**	**

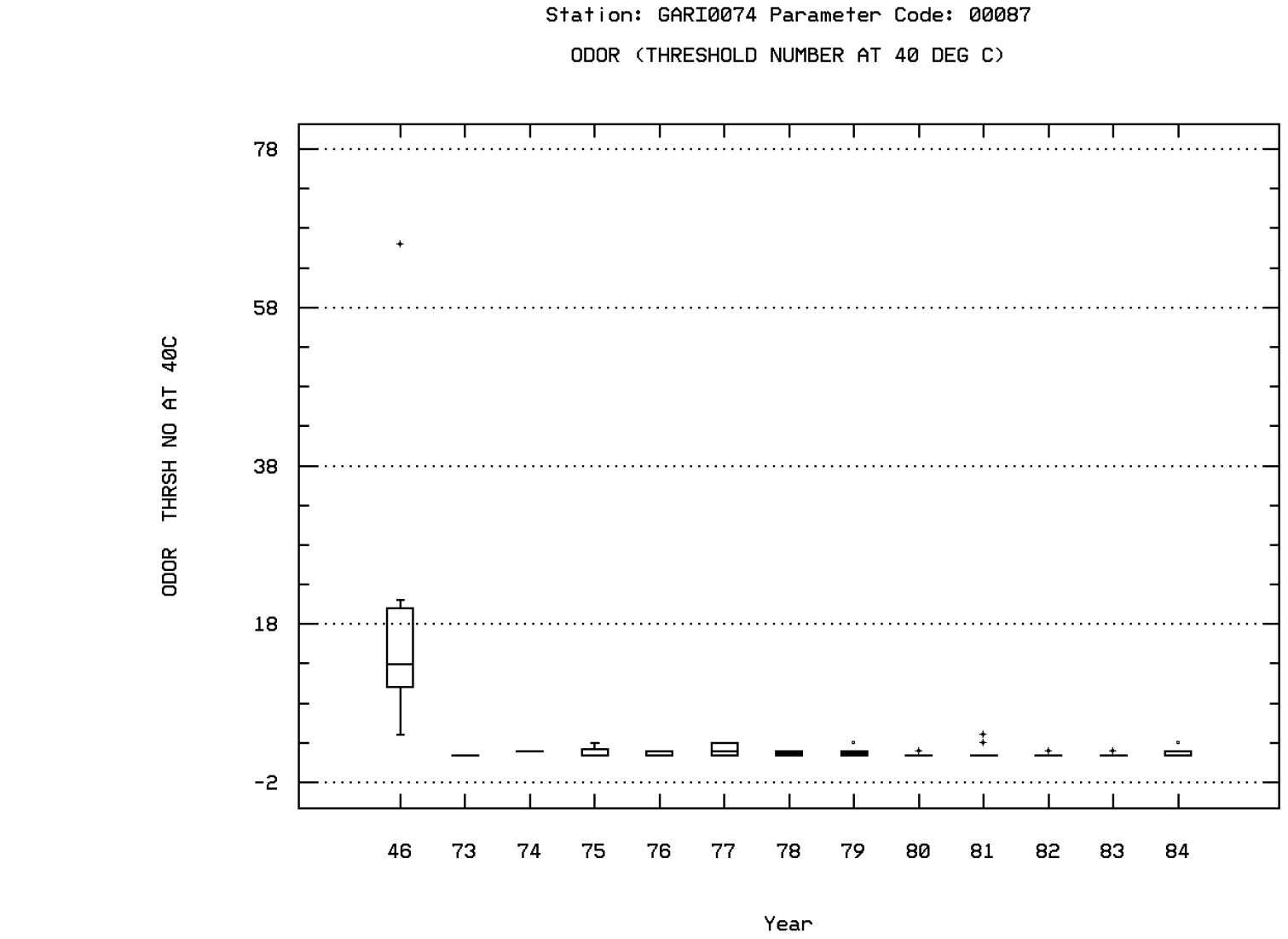
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GARI0074 Parameter Code: 00080

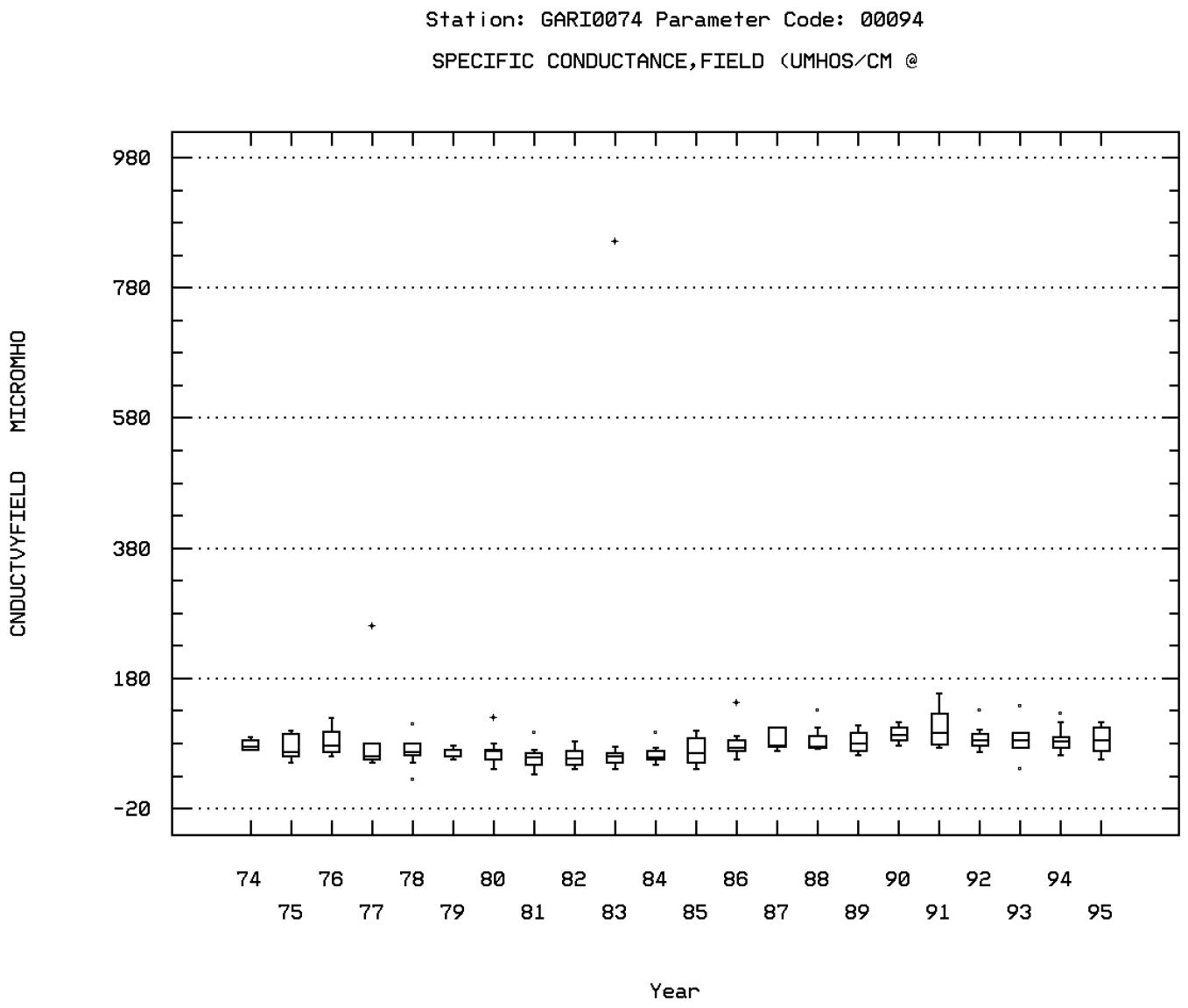
COLOR (PLATINUM-COBALT UNITS)



Gauley River at Beech Glen, W. Va.



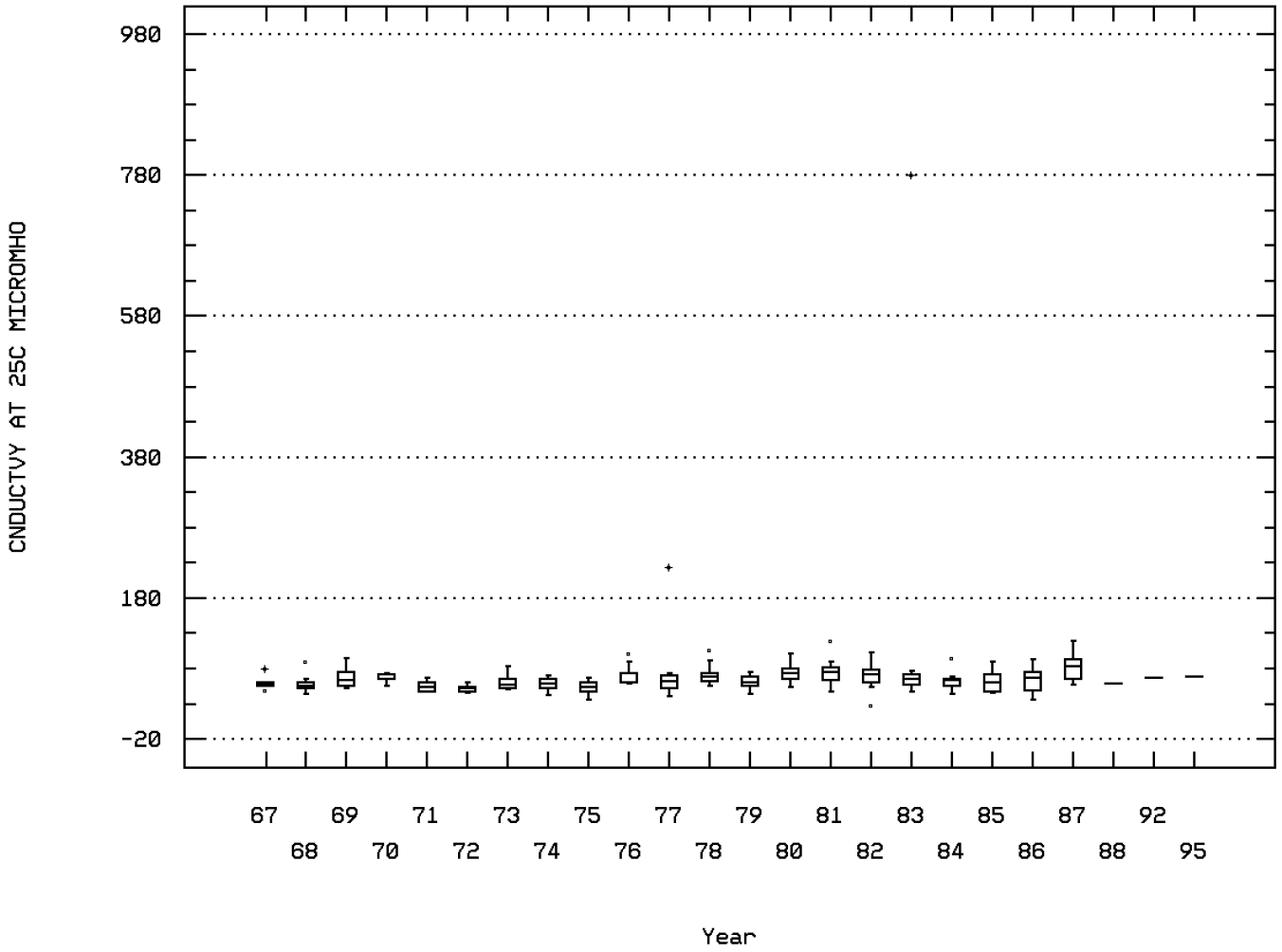
Gauley River at Beech Glen, W. Va.



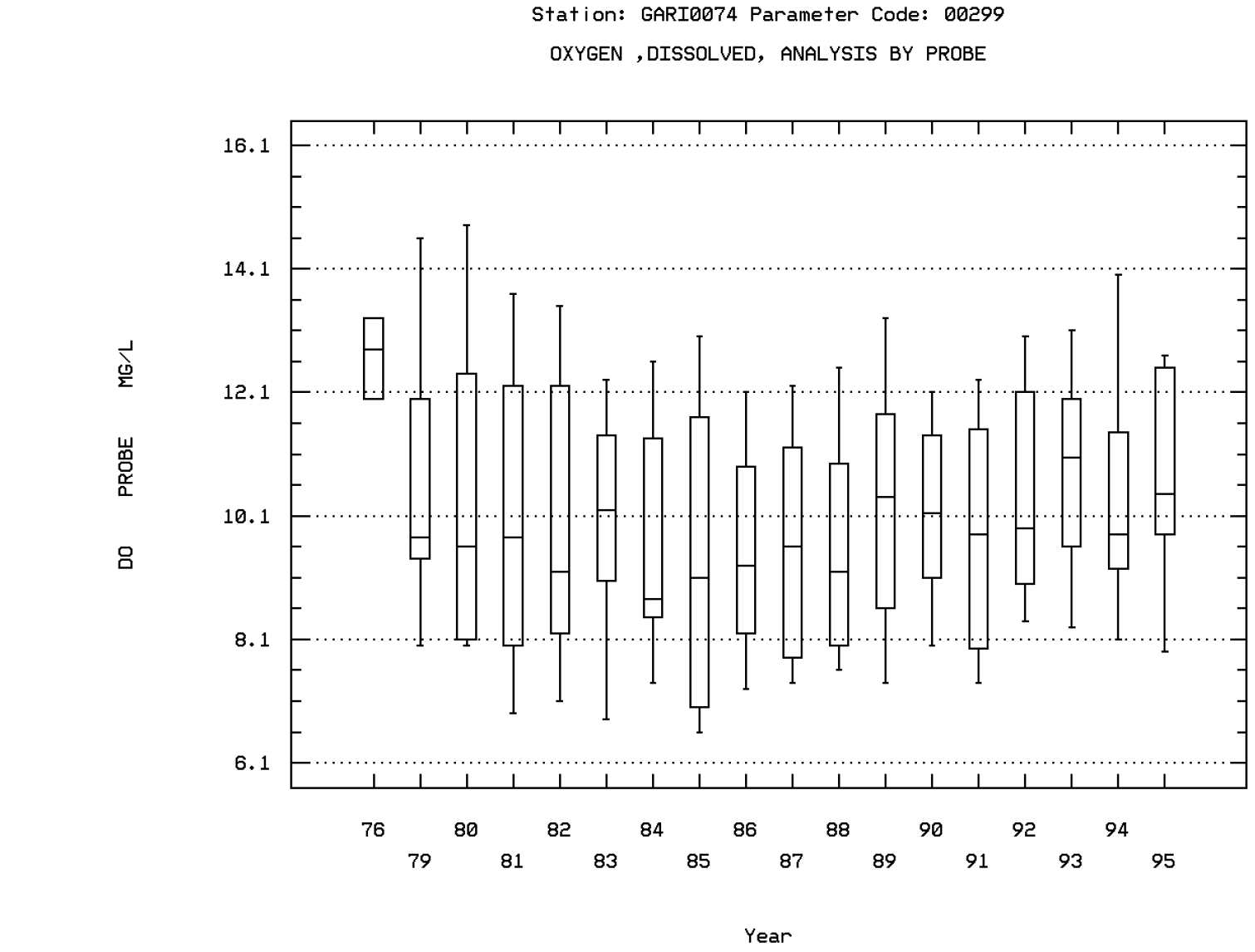
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



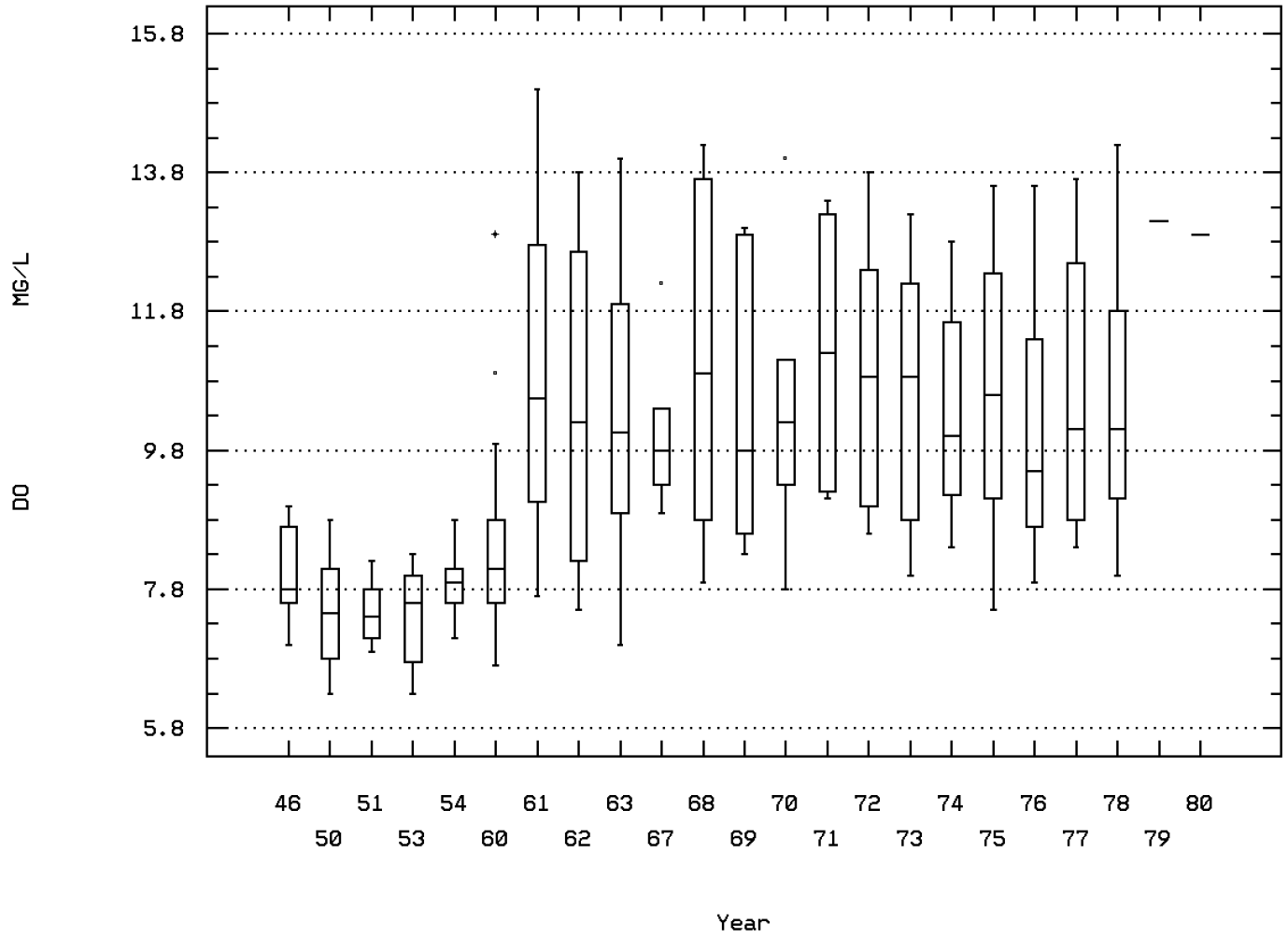
Gauley River at Beech Glen, W. Va.



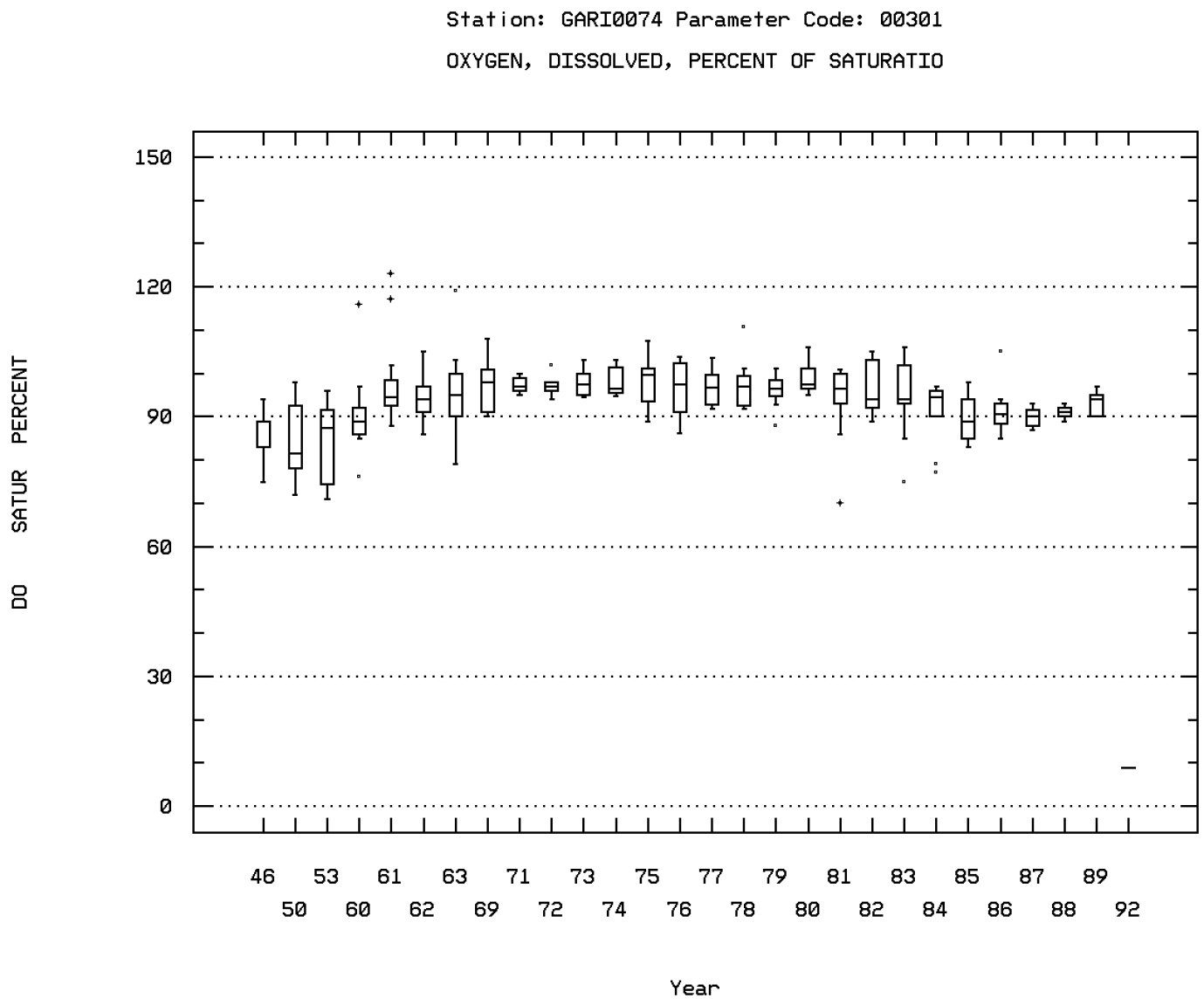
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00300

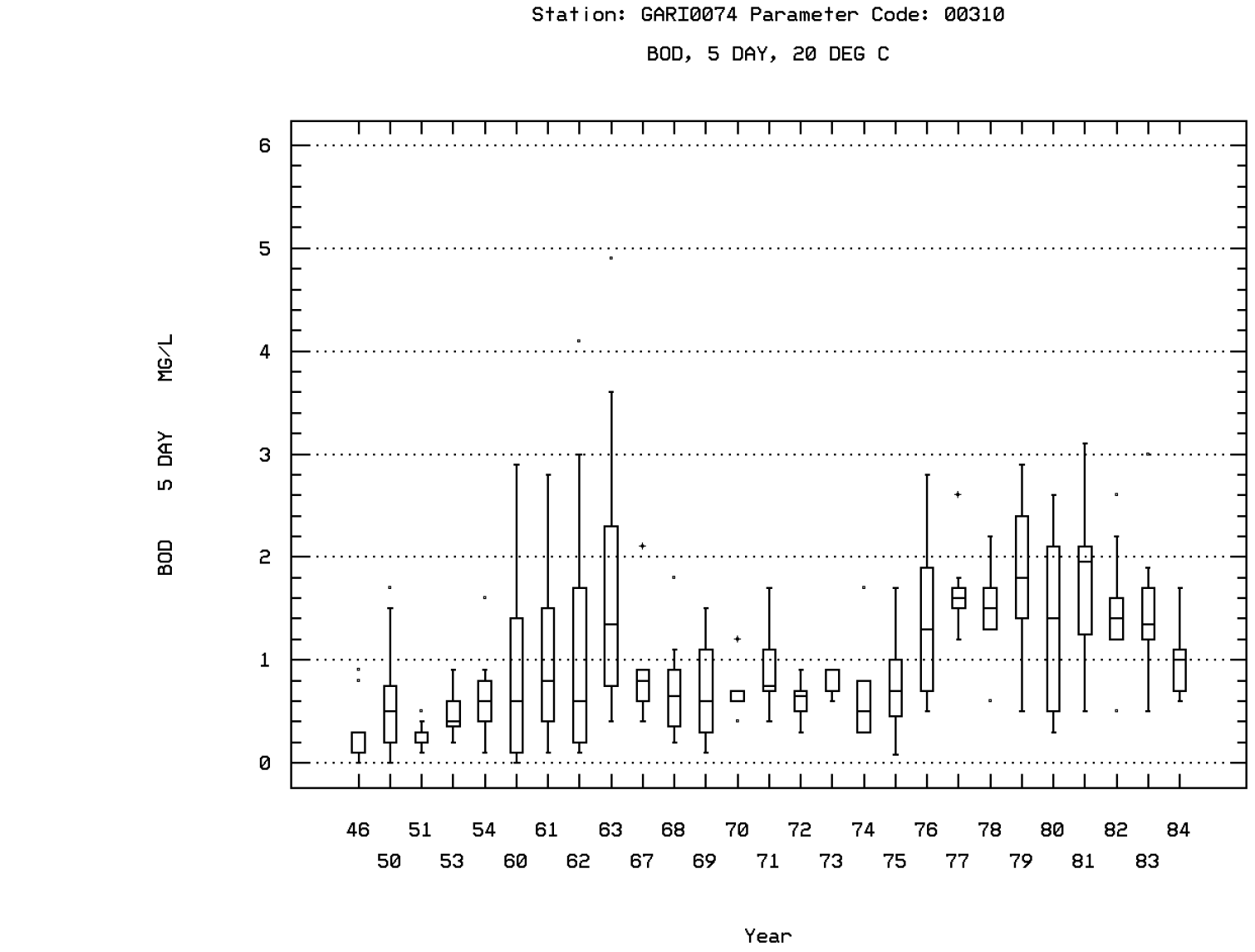
OXYGEN, DISSOLVED



Gauley River at Beech Glen, W. Va.



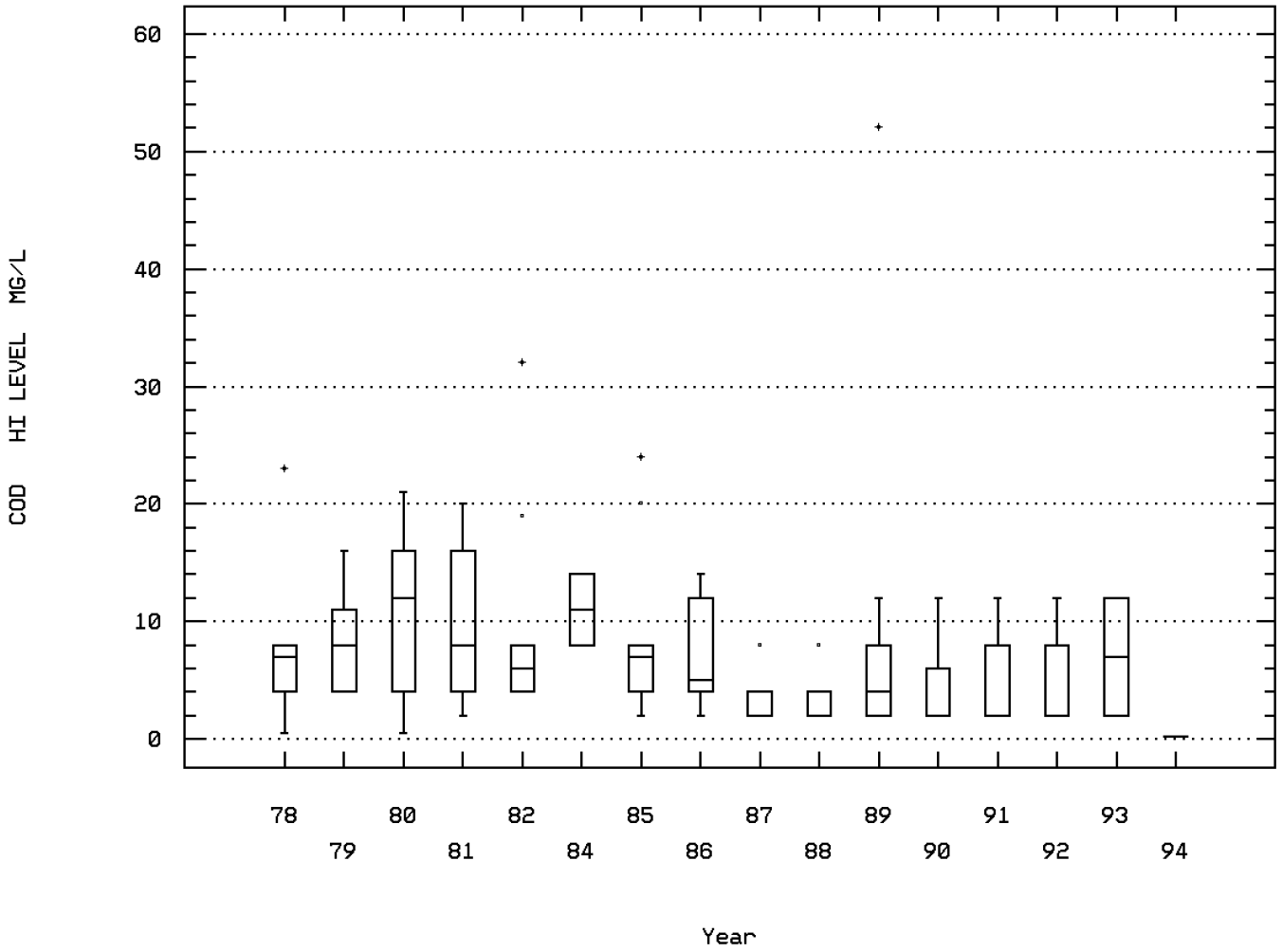
Gauley River at Beech Glen, W. Va.



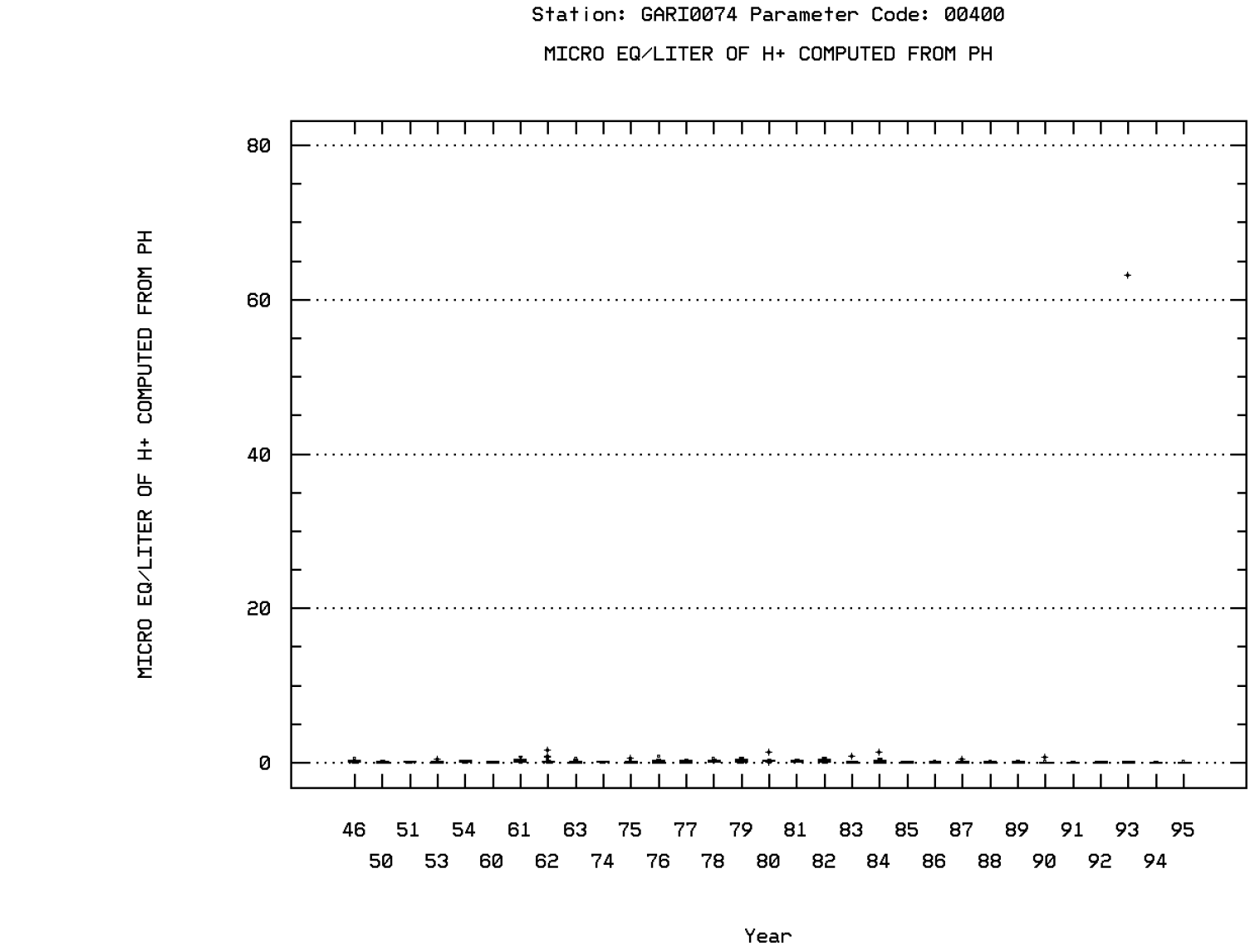
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00340

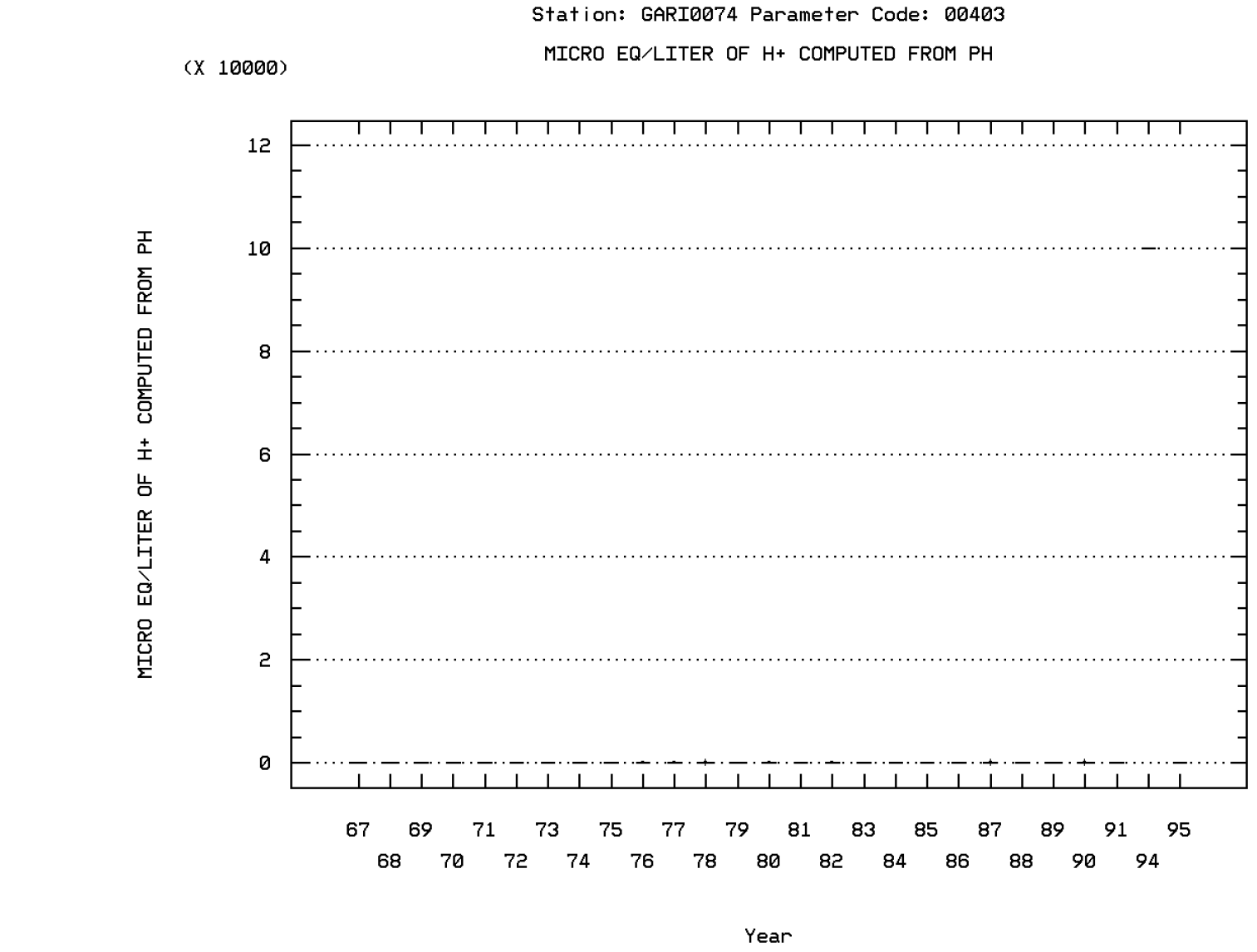
COD, .25N K2CR2O7



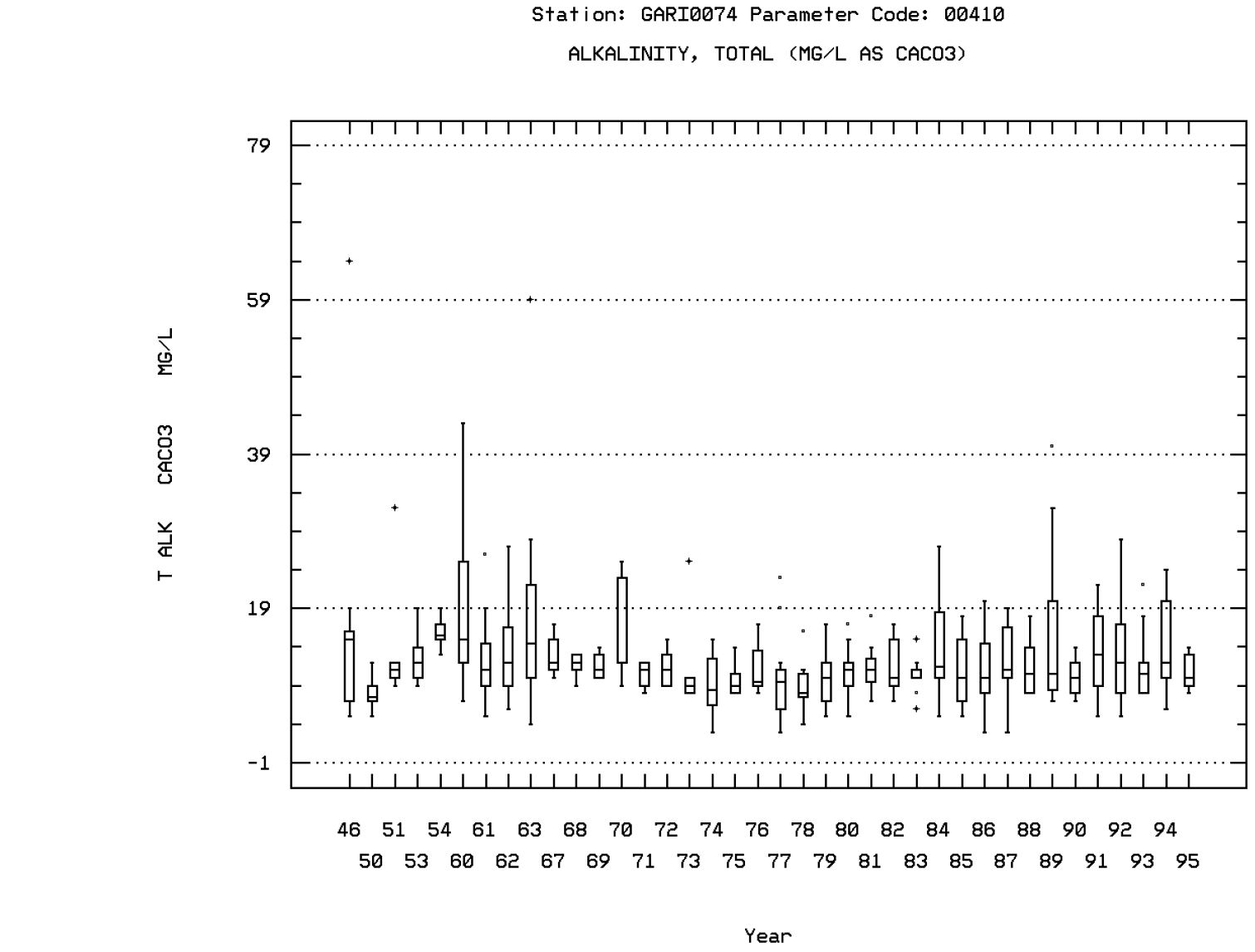
Gauley River at Beech Glen, W. Va.



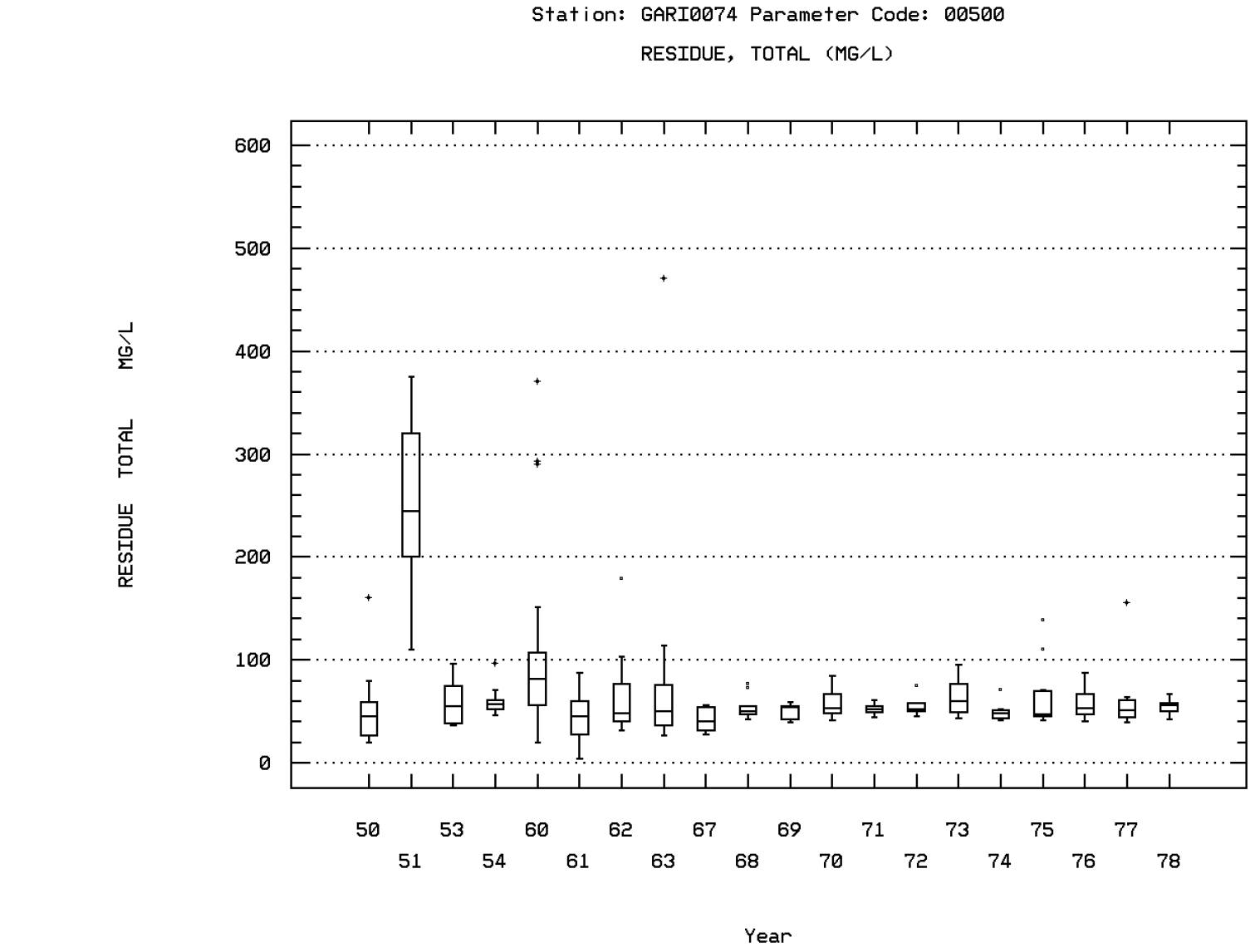
Gauley River at Beech Glen, W. Va.



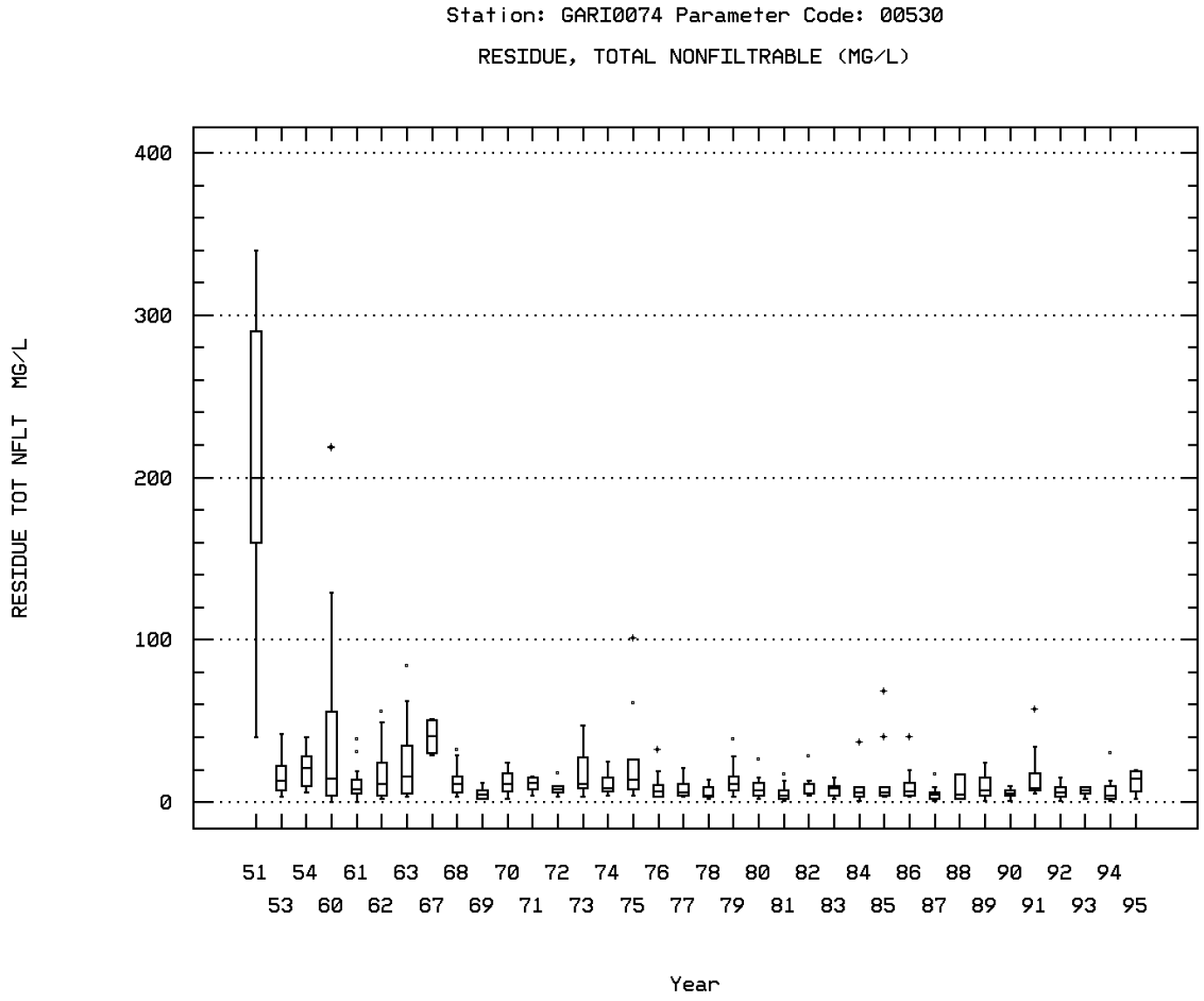
Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.



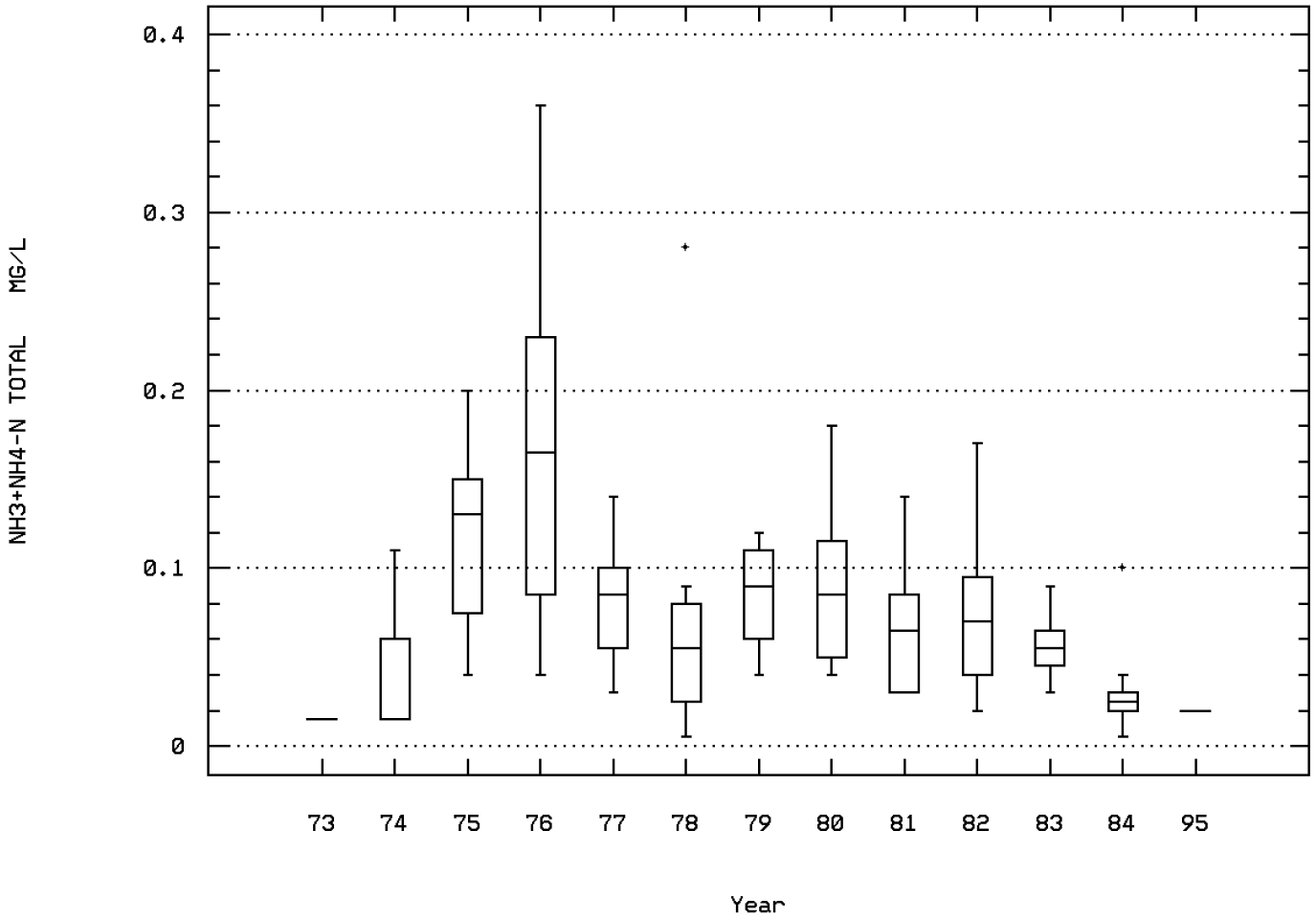
Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00610

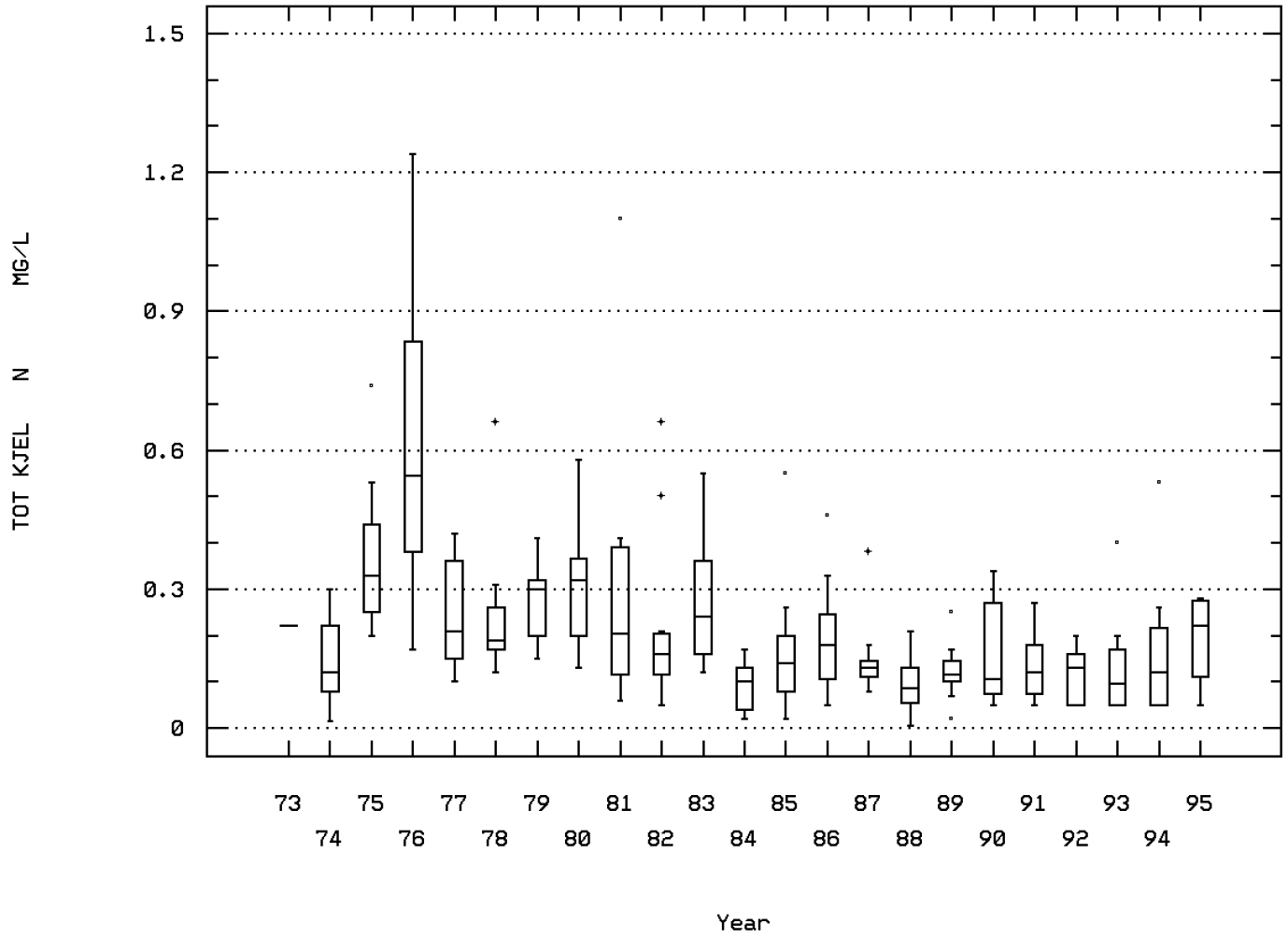
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



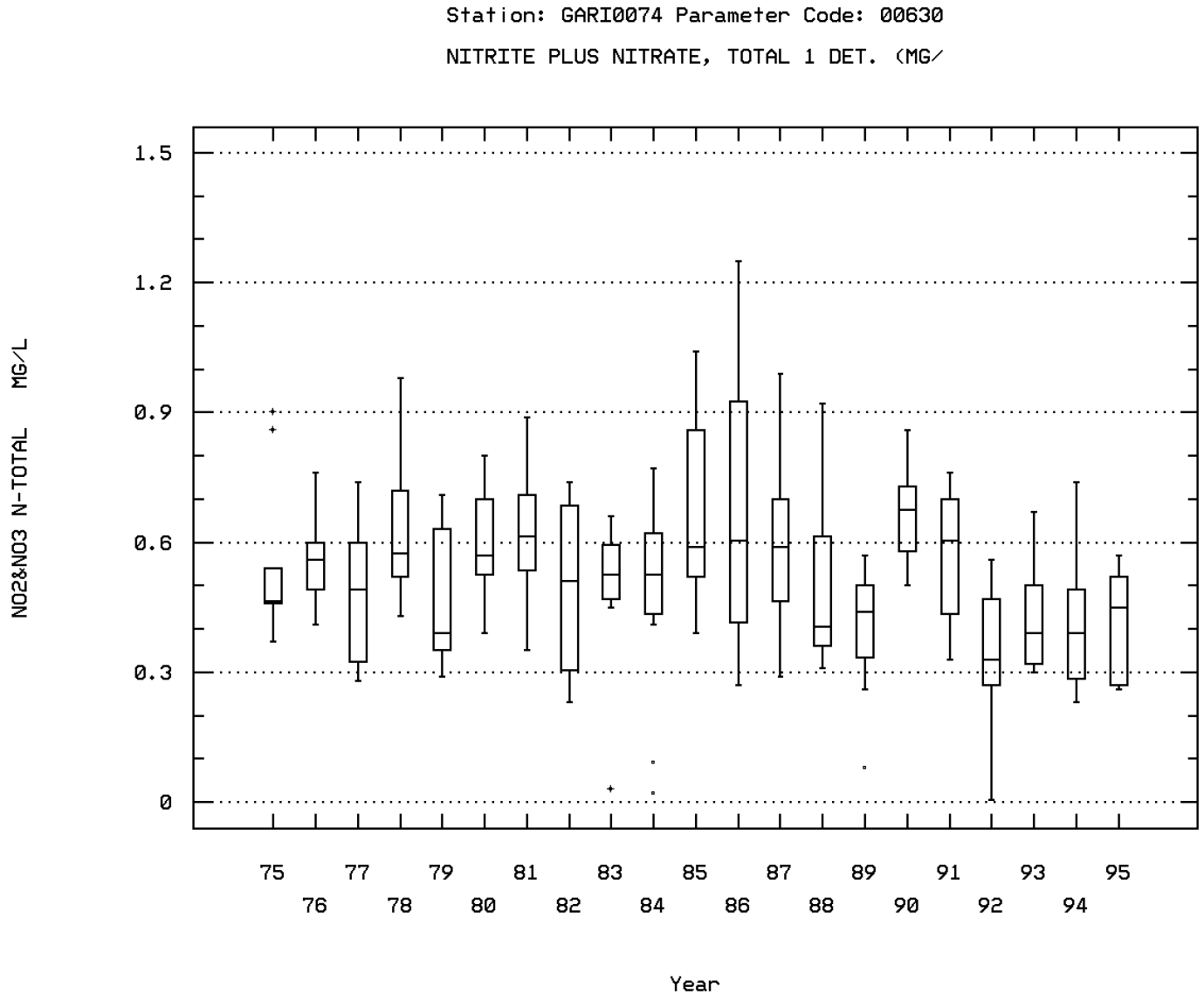
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00625

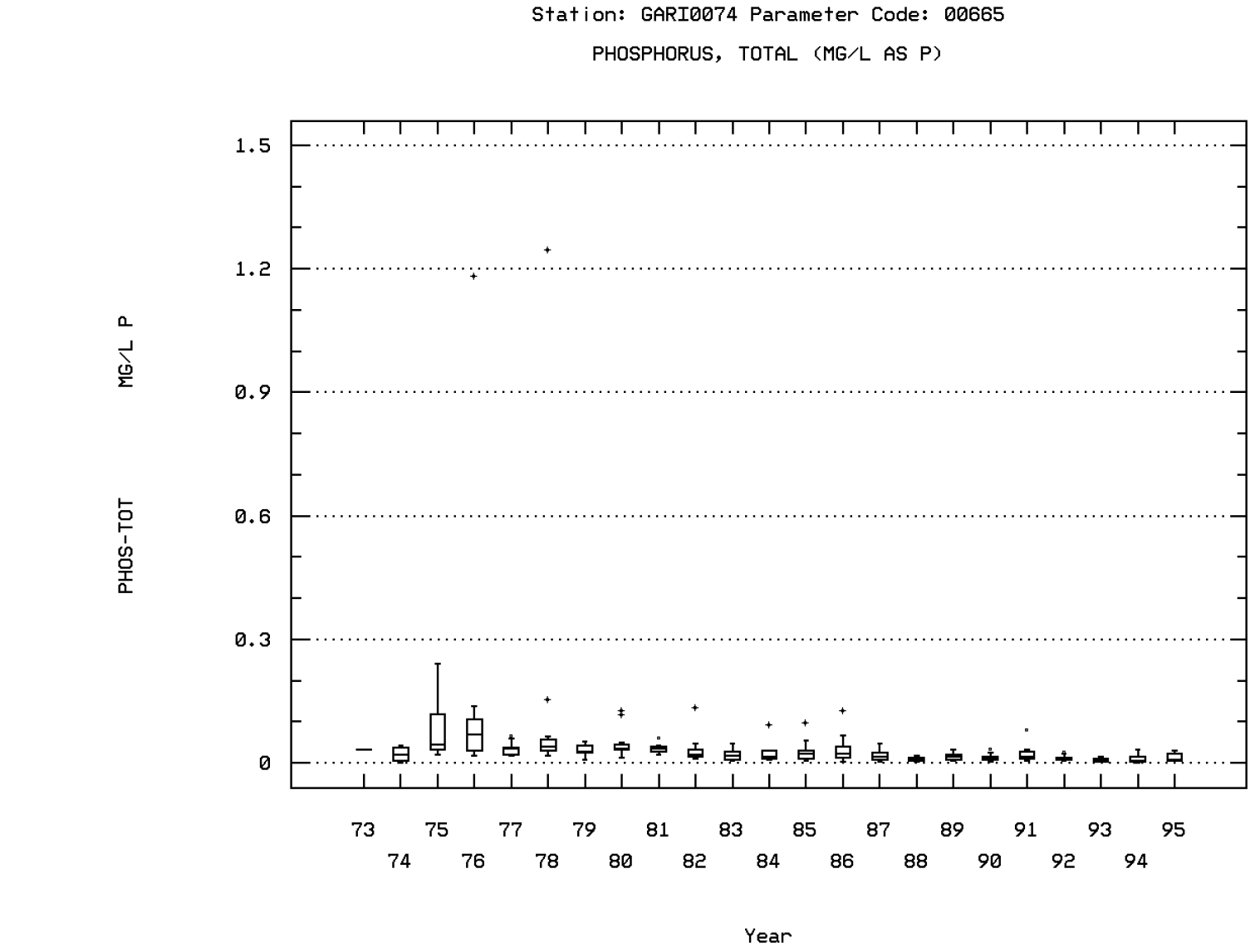
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



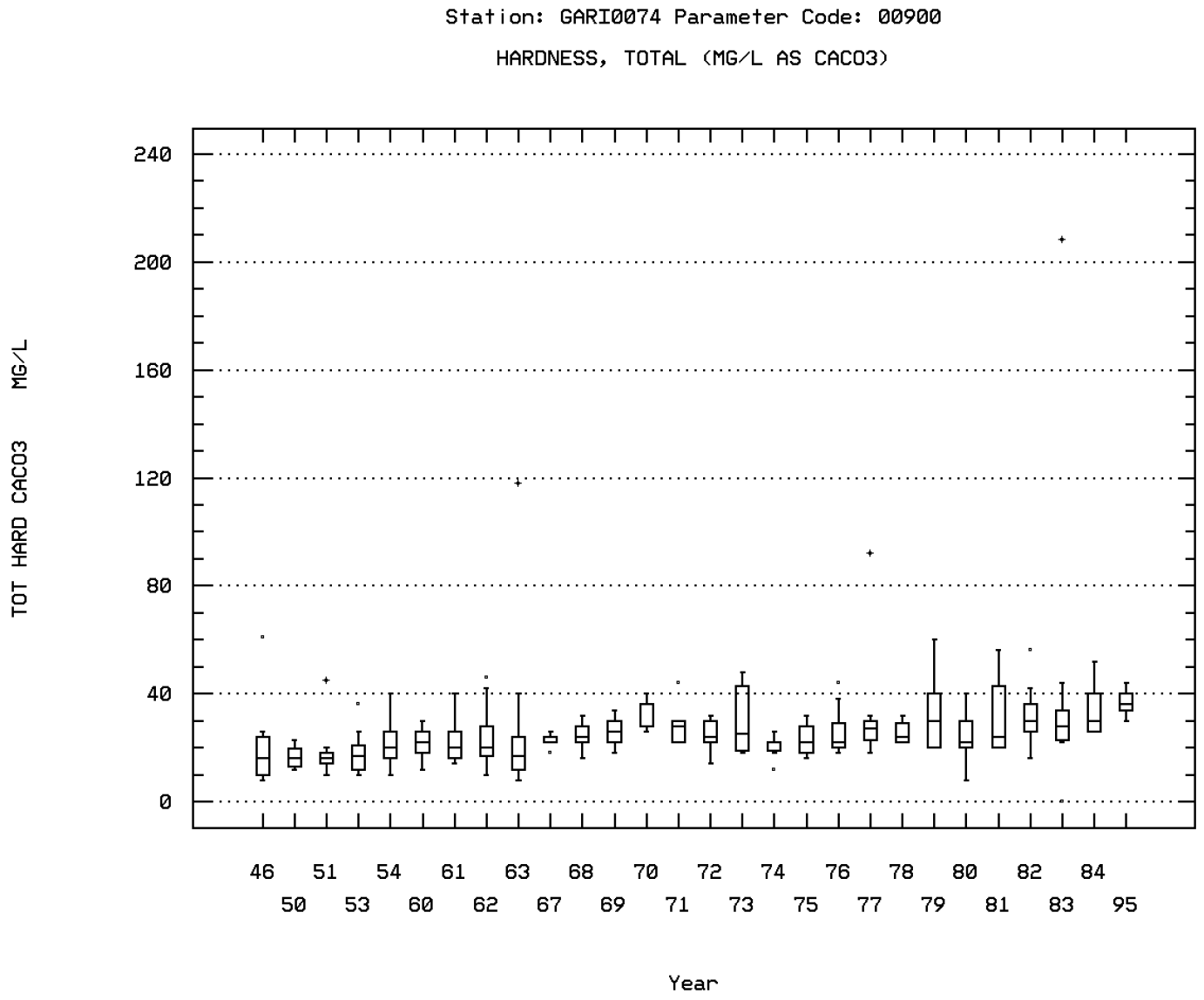
Gauley River at Beech Glen, W. Va.



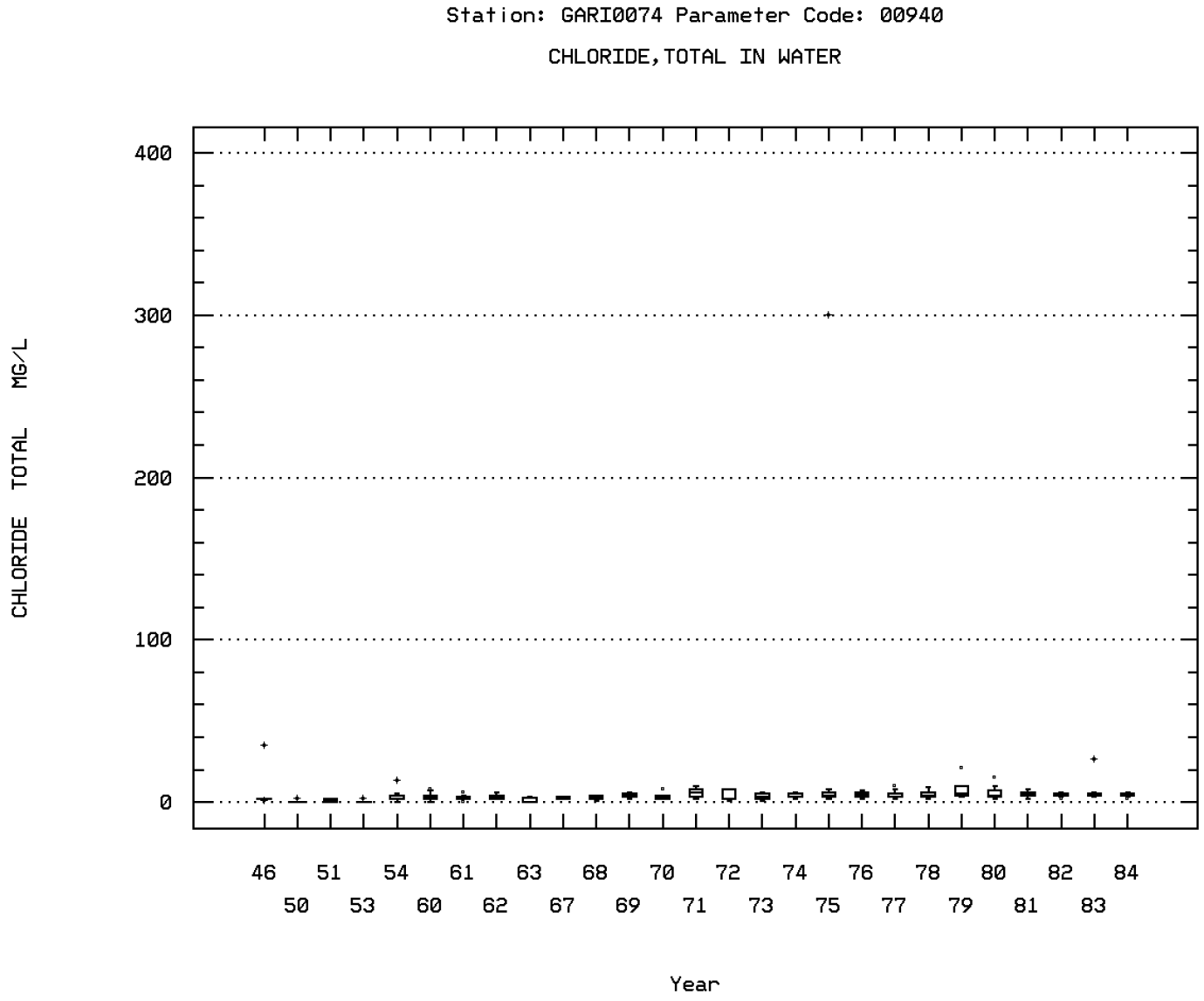
Gauley River at Beech Glen, W. Va.



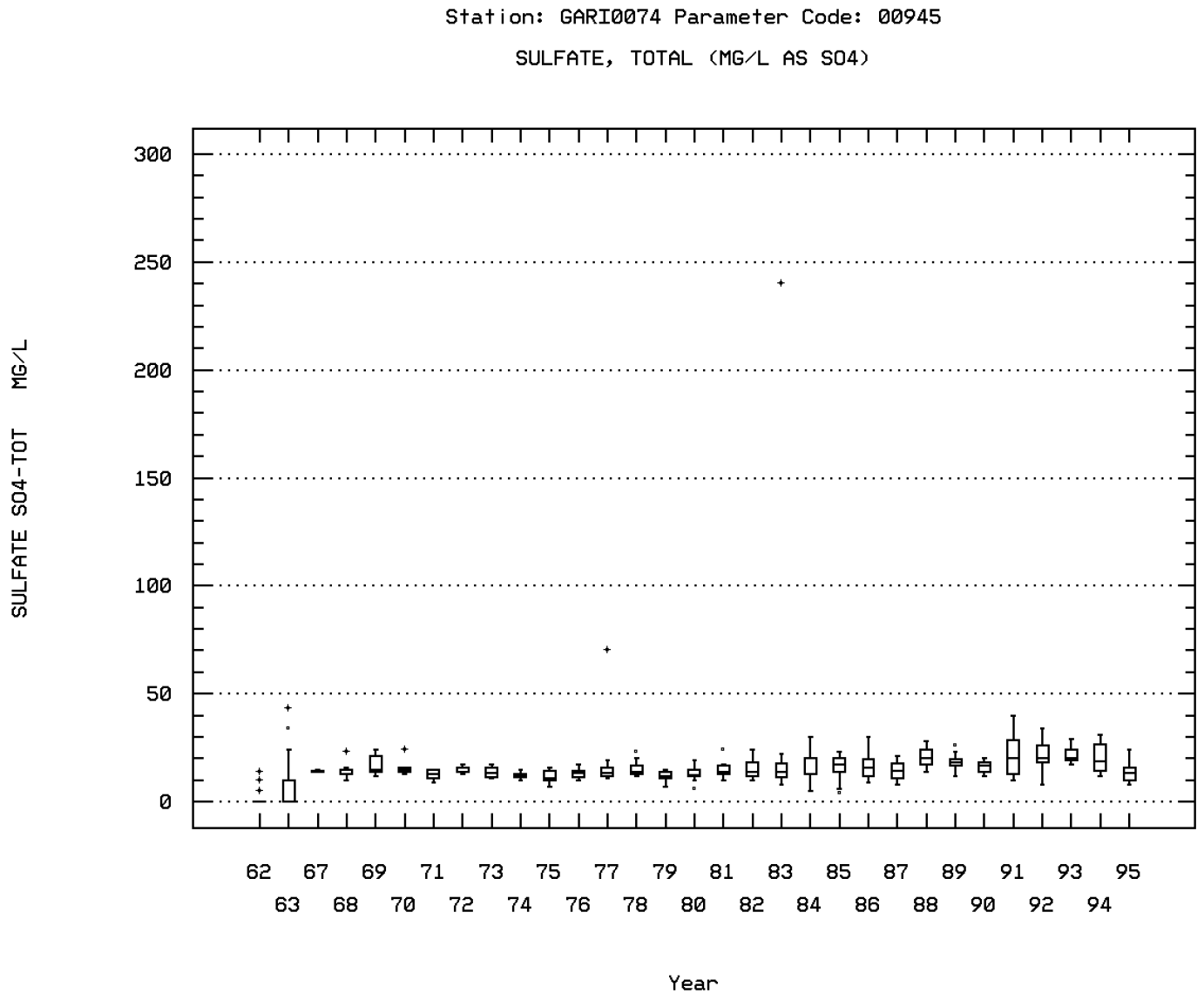
Gauley River at Beech Glen, W. Va.



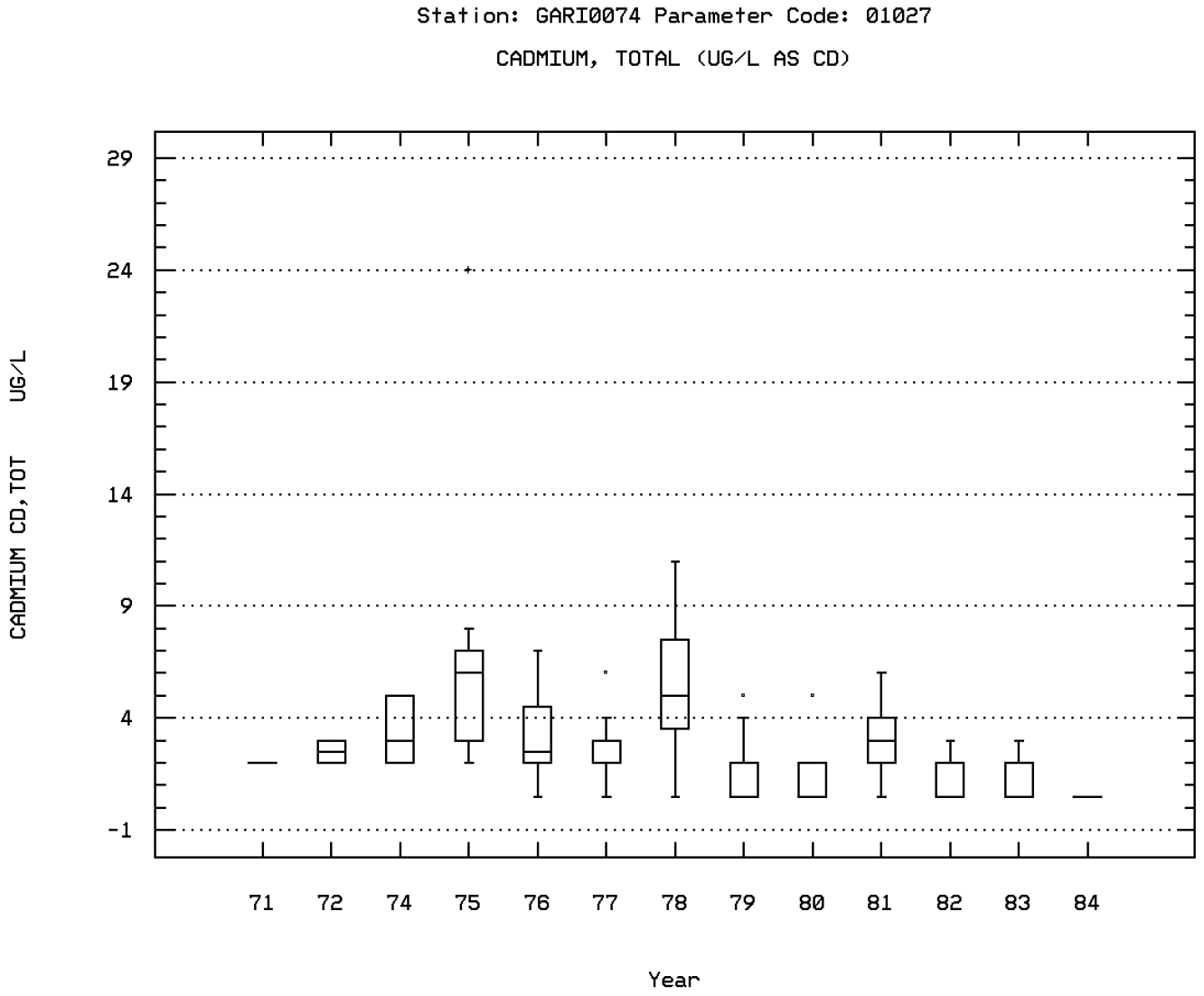
Gauley River at Beech Glen, W. Va.



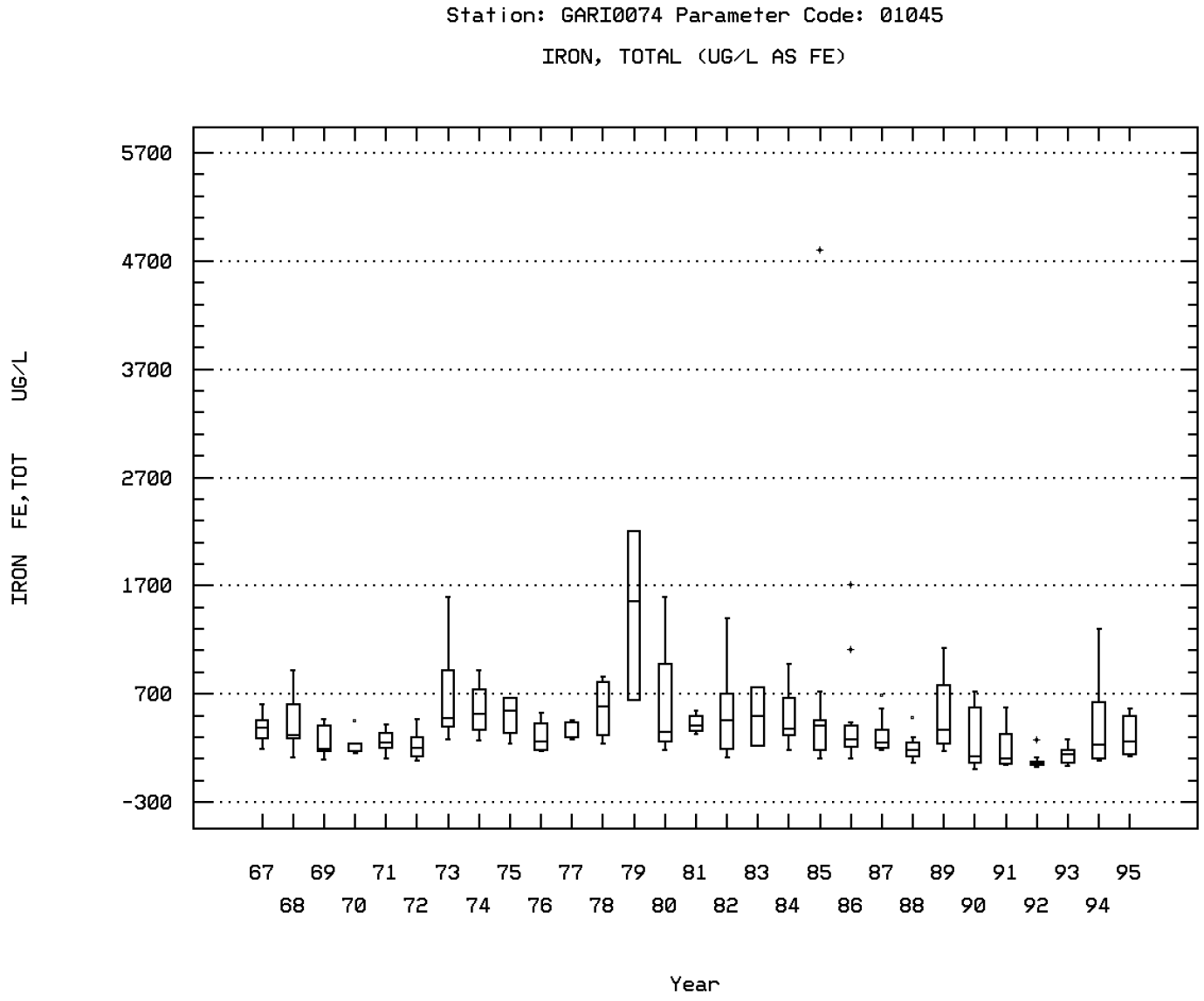
Gauley River at Beech Glen, W. Va.



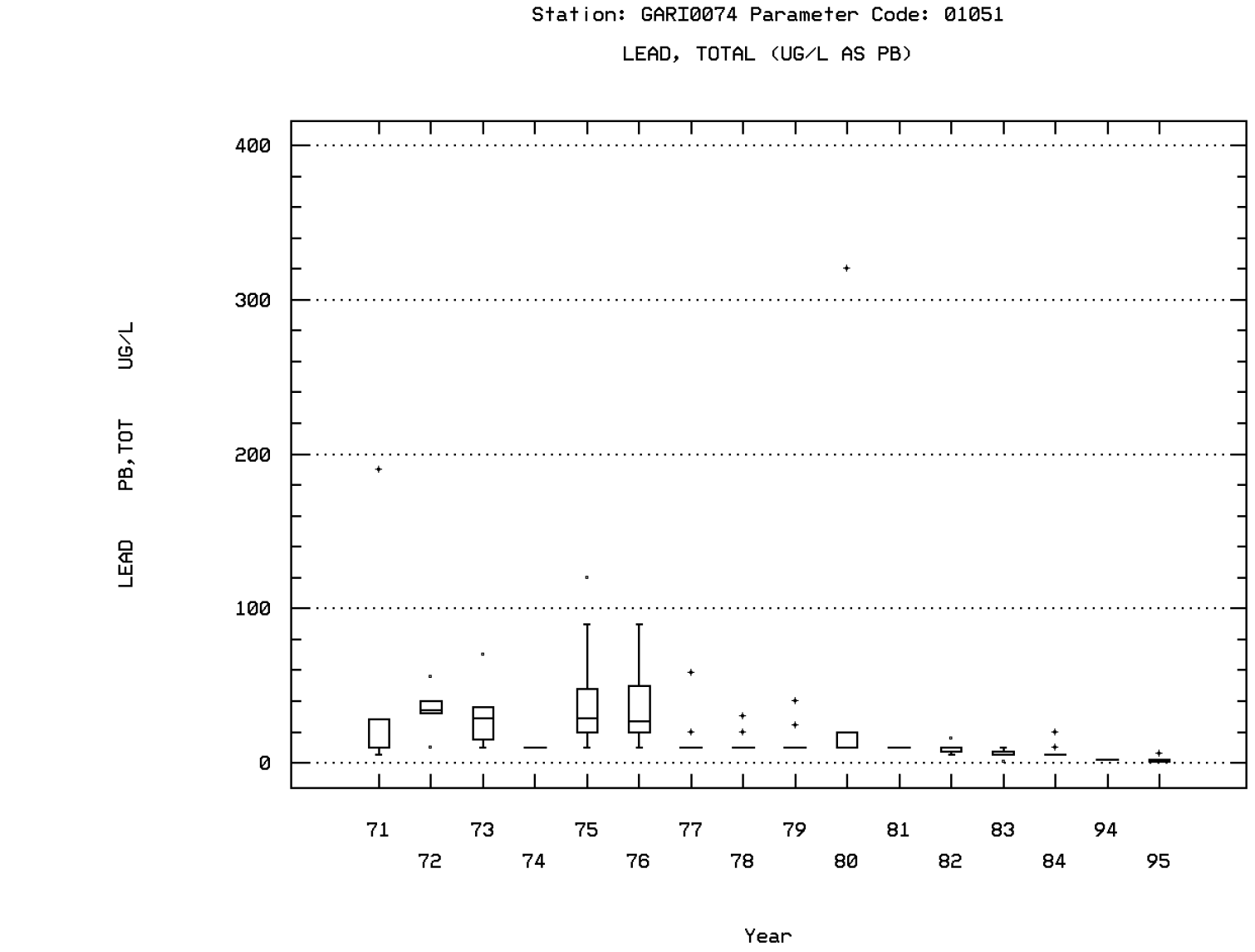
Gauley River at Beech Glen, W. Va.



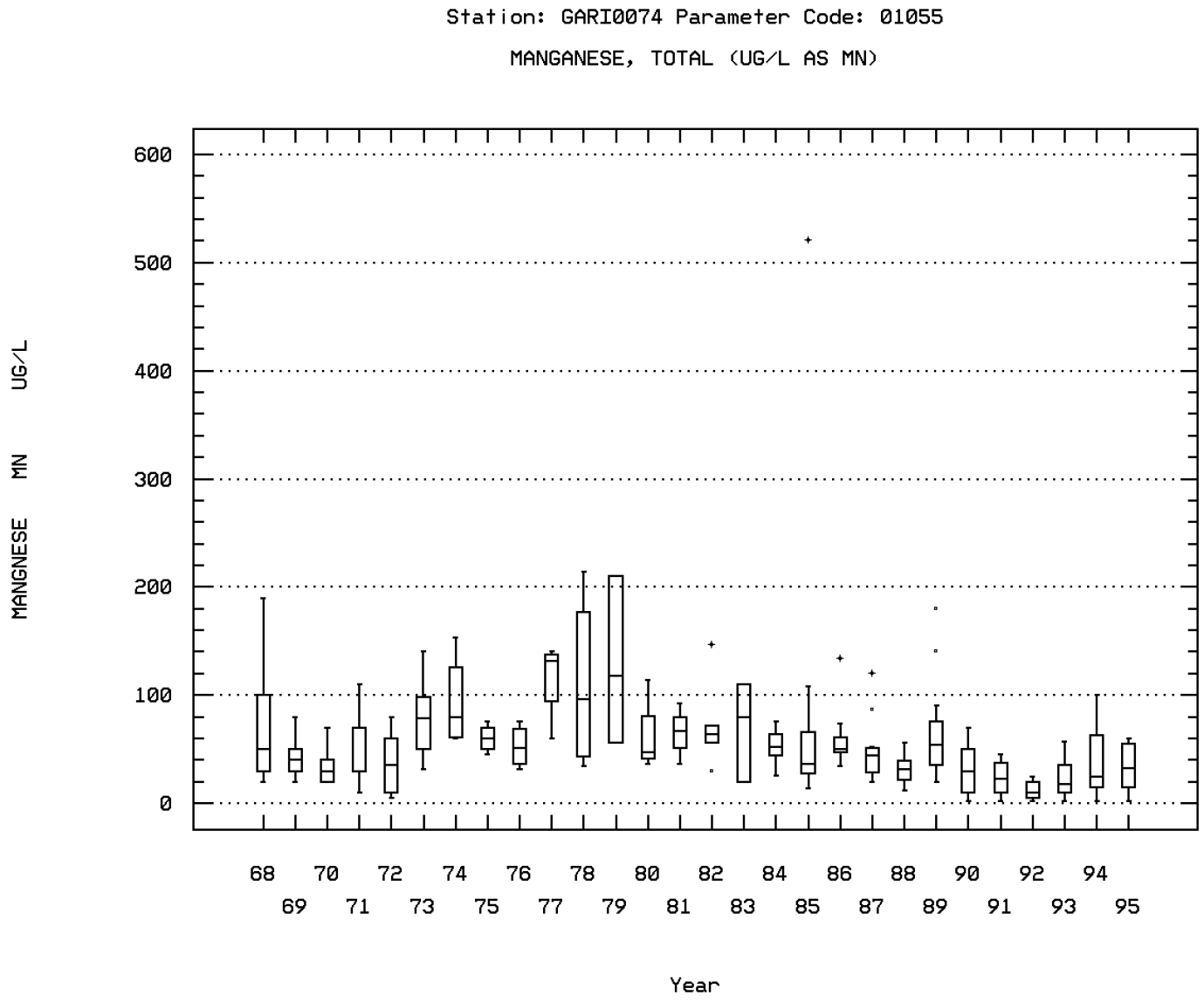
Gauley River at Beech Glen, W. Va.



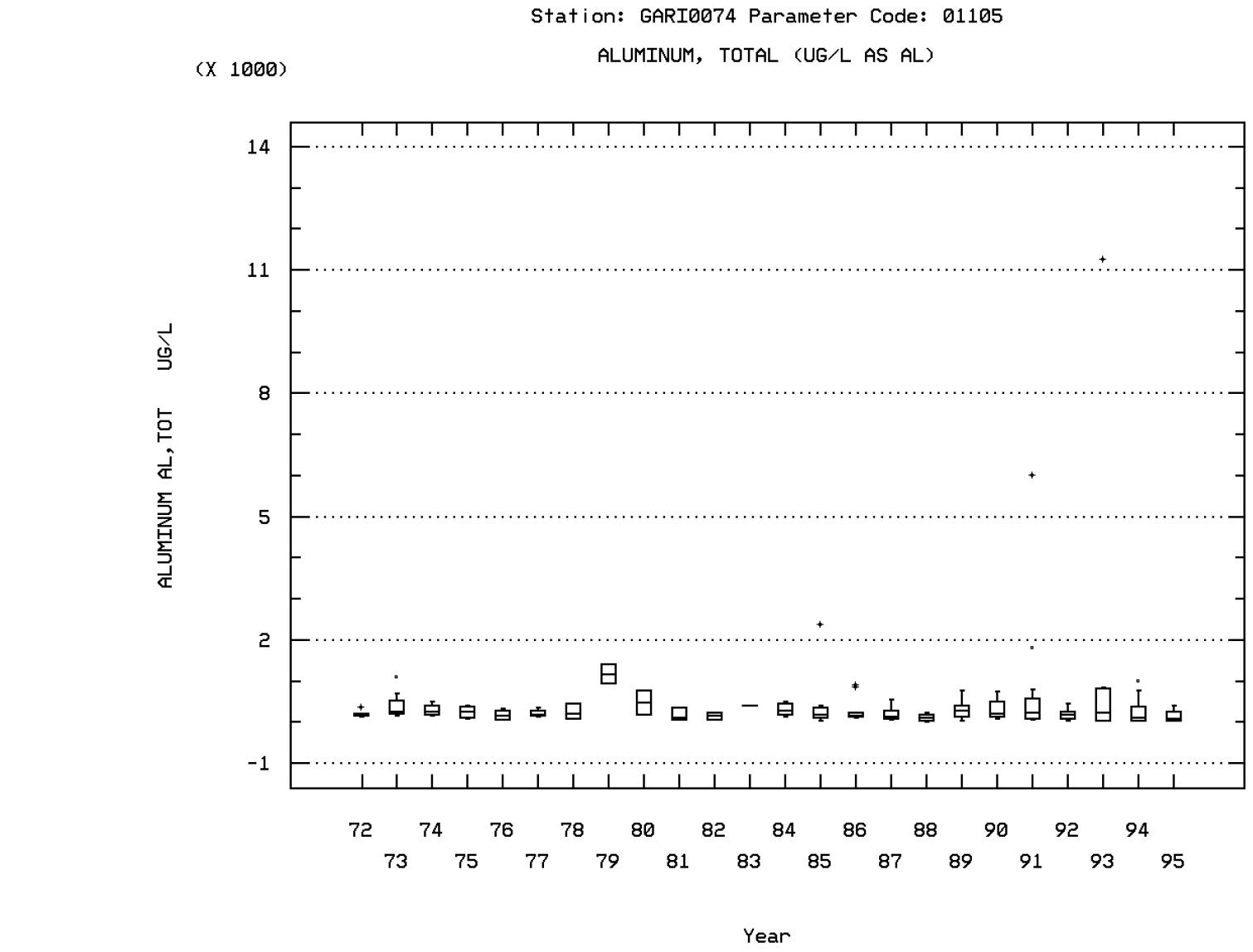
Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.



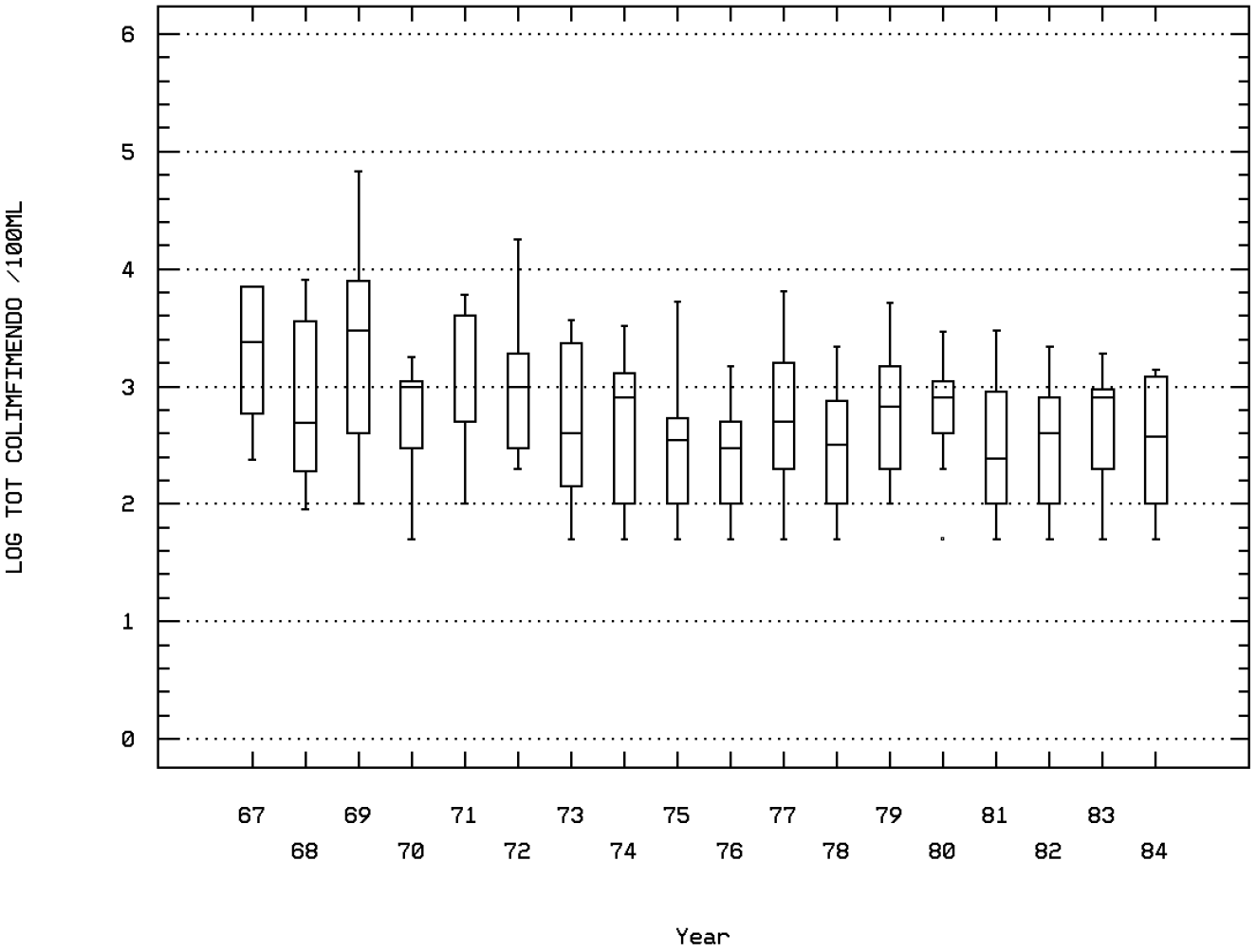
Gauley River at Beech Glen, W. Va.



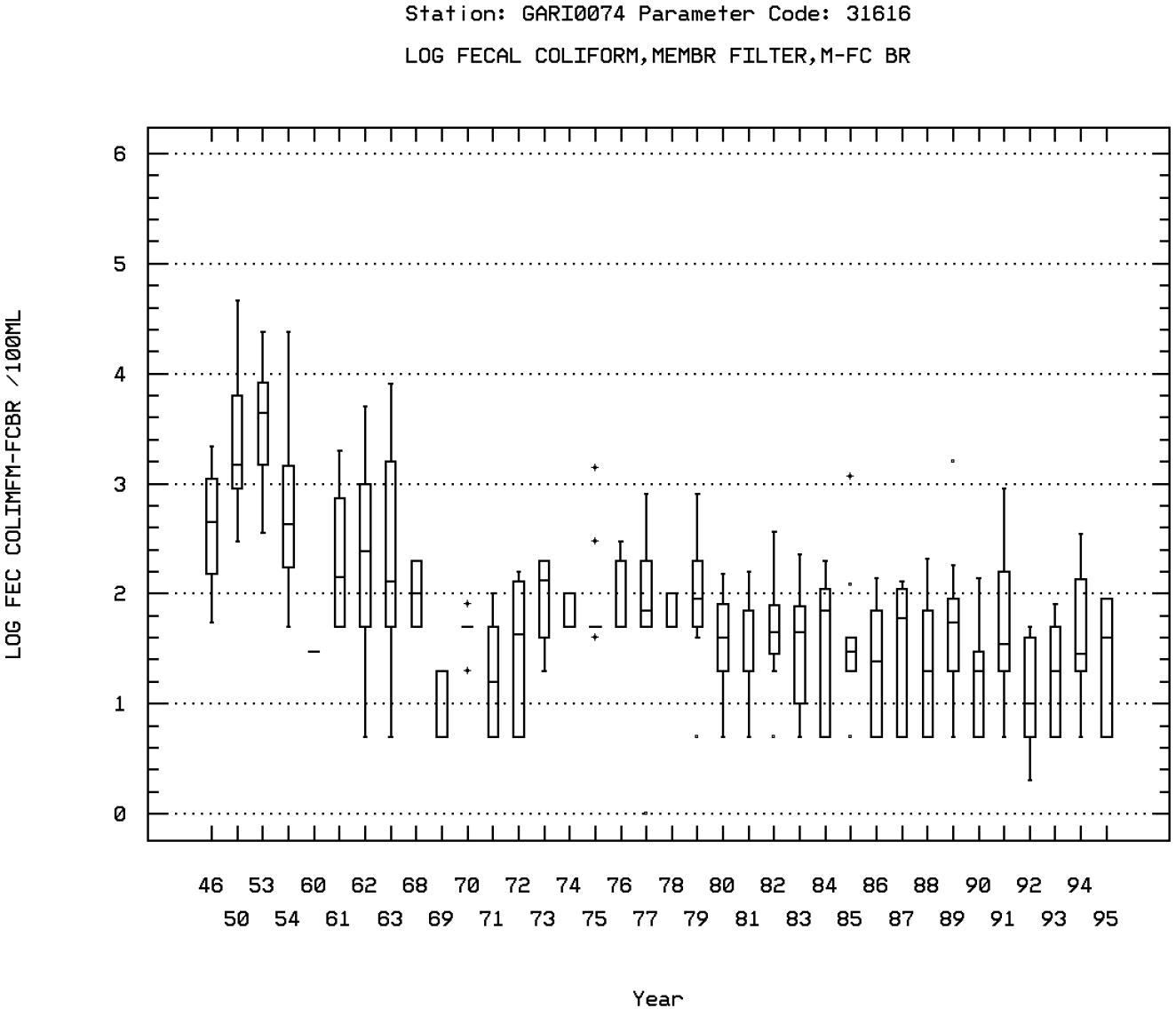
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 31501

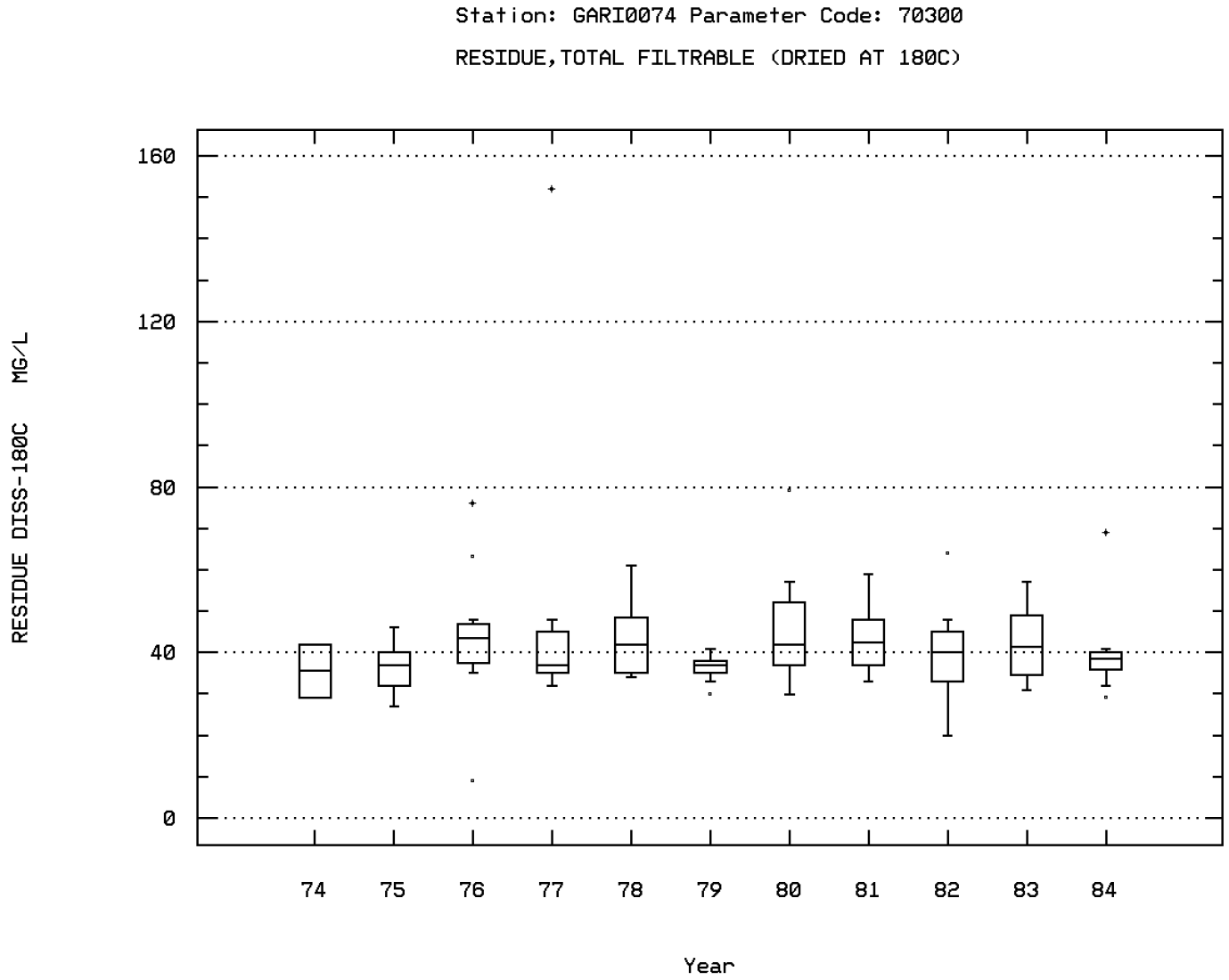
LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



Gauley River at Beech Glen, W. Va.



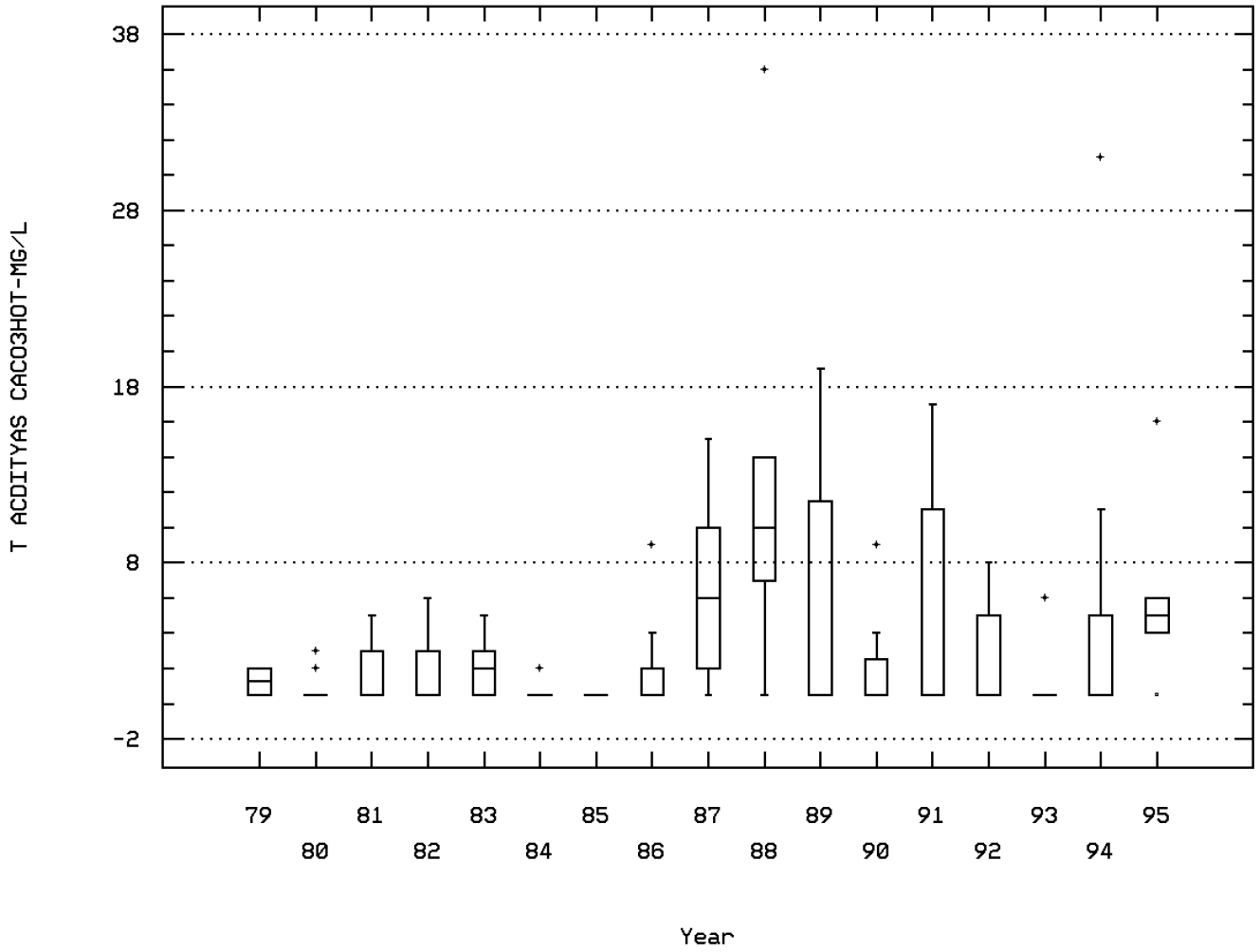
Gauley River at Beech Glen, W. Va.



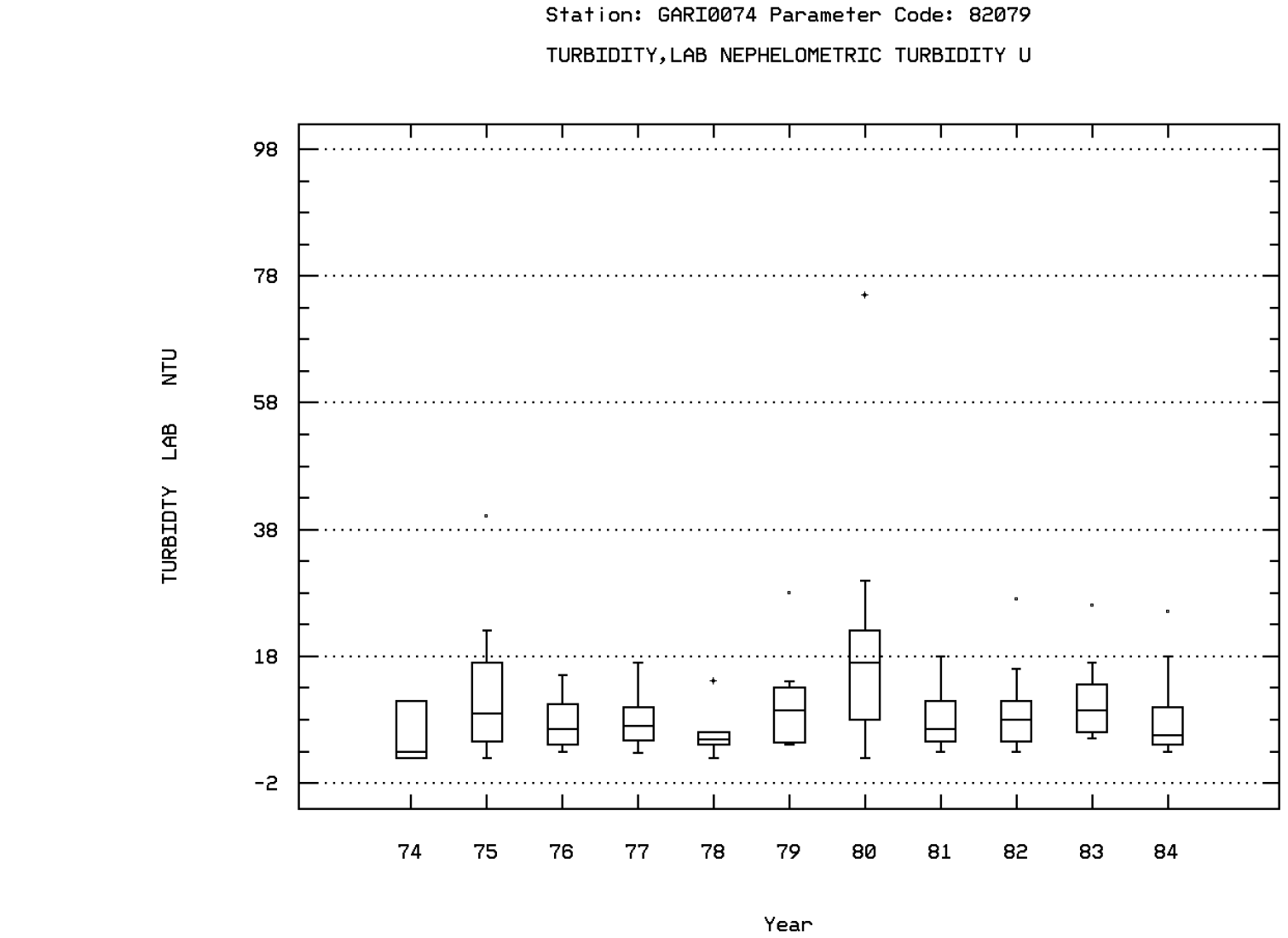
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 70508

ACIDITY, TOTAL, HOT (MG/L AS CACO3)



Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.

Seasonal Analysis for Season #1: 10/01 to 4/14 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	157	6.	7.499	21.	0.	30.036	5.48	0.74	3.45	11.05	15.16
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	62	42.15	45.087	69.8	32.	111.953	10.581	33.53	36.65	51.35	63.
00060	FLOW, STREAM, MEAN DAILY CFS	02/05/69-08/02/79	48	2740.	3455.021	15000.	341.	8055845.383	2838.282	705.6	1952.5	4065.	8273.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	92	2050.	3356.163	22200.	4.	19800065.391	4449.726	83.1	842.75	4027.	7187.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	71	7.	10.761	105.	0.	202.013	14.213	2.	3.	12.	18.6
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	93	7.	9.161	40.	2.5	49.686	7.049	2.5	5.	12.	16.8
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	07/17/67-02/18/75	14	1.	1.229	2.	1.	0.135	0.367	1.	1.	1.4	2.
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	71	1.4	3.27	66.	1.	69.676	8.347	1.	1.	2.	3.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	130	74.	82.062	850.	25.	5073.112	71.226	51.2	60.	89.	104.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	116	63.	70.81	778.	26.	4643.512	68.143	46.7	55.	73.	88.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	103	11.5	11.245	14.8	6.8	2.278	1.509	9.14	10.3	12.2	13.
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	104	12.05	11.71	15.	7.6	3.323	1.823	9.	10.15	13.2	13.75
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	150	95.	95.011	119.	70.	41.039	6.406	89.	91.775	98.85	102.
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	129	1.2	1.326	4.9	0.1	0.734	0.857	0.3	0.65	1.9	2.6
00340	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	82	4.	6.823	52.	0.5	60.095	7.752	2.	2.	8.	14.7
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	177	7.	6.997	8.3	4.2	0.315	0.561	6.3	6.6	7.4	7.62
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	177	7.	6.266	8.3	4.2	0.853	0.923	6.3	6.6	7.4	7.62
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	177	0.1	0.542	63.096	0.005	22.416	4.735	0.024	0.04	0.251	0.501
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	137	6.7	6.676	12.	1.	0.542	0.736	6.2	6.5	6.9	7.
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	137	6.7	3.137	12.	1.	13.162	3.628	6.2	6.5	6.9	7.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	137	0.2	730.203	100000.	0.	72992295.076	8543.553	0.1	0.126	0.316	0.631
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	211	10.	12.081	64.	3.	51.341	7.165	7.	8.	14.	19.8
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	60	3.	3.05	8.	1.	2.353	1.534	1.	2.	4.	5.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	6	1.	1.333	2.	1.	0.267	0.516	**	**	**	**
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	94	50.	58.043	470.	16.	2265.697	47.599	32.	42.75	61.	82.
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	69	37.	37.739	150.	6.	379.078	19.47	15.	27.	46.5	56.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	201	7.	10.975	84.	0.5	165.189	12.853	1.	3.	14.	28.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	71	0.08	0.082	0.36	0.005	0.003	0.058	0.02	0.05	0.1	0.148
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/17/67-09/17/74	27	0.37	0.426	1.7	0.025	0.115	0.339	0.054	0.25	0.54	0.802
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	137	0.17	0.23	1.24	0.015	0.035	0.187	0.06	0.11	0.3	0.472
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	132	0.55	0.554	1.08	0.005	0.036	0.19	0.313	0.433	0.68	0.77
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	138	0.019	0.036	1.244	0.002	0.011	0.107	0.005	0.01	0.036	0.06
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	55	5.	5.645	14.	0.	8.469	2.91	2.	4.	7.	10.
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/19/73-08/06/84	23 ##	0.001	0.023	0.5	0.001	0.011	0.104	0.001	0.001	0.001	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	141	24.	26.816	208.	0.	323.694	17.992	16.	20.	30.	40.
00929	SODIUM, TOTAL (MG/L AS NA)	01/18/71-09/17/84	31	2.	2.152	3.8	1.2	0.341	0.584	1.52	1.8	2.3	3.08
00937	POTASSIUM, TOTAL MG/L AS K)	01/18/71-09/17/84	30	0.9	0.884	1.4	0.	0.065	0.255	0.605	0.8	1.	1.19
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	142	4.	6.137	300.	0.	626.089	25.022	1.	2.	5.	7.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	187	14.	15.914	240.	0.	327.122	18.087	5.	12.	18.	24.
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	80	0.05	0.093	1.	0.005	0.025	0.159	0.03	0.04	0.068	0.169
01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/71-09/17/84	25 ##	1.	2.4	17.	0.5	12.646	3.556	0.8	1.	2.	6.8
01007	BARIUM, TOTAL (UG/L AS BA)	07/15/75-09/17/84	13	30.	30.	60.	10.	183.333	13.54	14.	20.	40.	52.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	76	1.	2.046	10.	0.5	3.101	1.761	0.5	1.	2.75	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	79 ##	0.5	2.228	51.	0.5	34.146	5.843	0.5	0.5	2.	4.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/17/74-09/17/84	35 ##	2.	2.886	10.	2.	4.163	2.04	2.	2.	2.	5.6
01042	COPPER, TOTAL (UG/L AS CU)	01/18/71-09/17/84	26	3.	4.154	13.	0.5	11.555	3.399	0.85	2.	6.25	10.
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	118	300.	427.538	4800.	7.5	275480.146	524.862	79.5	180.	472.5	866.
01049p	LEAD, DISSOLVED (UG/L AS PB)	11/06/67-06/22/95	16	25.	49.659	280.	0.25	5609.937	74.9	0.495	1.25	57.5	196.
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	87 ##	10.	21.767	320.	0.7	1651.092	40.634	5.	10.	20.	40.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	115	50.	60.445	520.	1.7	3535.937	59.464	10.	28.	76.	118.8
01067	NICKEL, TOTAL (UG/L AS NI)	11/27/72-09/17/84	17 ##	5.	7.353	20.	5.	15.993	3.999	5.	5.	10.	12.
01077	SILVER, TOTAL (UG/L AS AG)	01/18/71-09/17/84	25 ##	1.	1.884	15.	0.5	7.895	2.81	1.	1.	2.	2.64
01092	ZINC, TOTAL (UG/L AS ZN)	01/18/71-09/17/84	41	18.	35.829	190.	5.	1706.295	41.307	7.2	10.	51.	100.4
01097	ANTIMONY, TOTAL (UG/L AS SB)	06/17/75-09/17/84	14 ##	20.	23.571	60.	10.	193.956	13.927	10.	17.5	25.	50.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	94	205.	427.309	11258.	25.	1392379.119	1179.991	72.5	130.	360.	760.
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/72-03/19/84	15	1.	1.133	3.	0.5	0.731	0.855	0.5	0.5	1.	3.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	88	500.	730.795	3700.	50.	692154.532	831.958	50.	200.	900.	2110.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	88	2.699	2.597	3.568	1.699	0.266	0.515	1.699	2.301	2.954	3.324
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			395.087								

** - Less than 9 observations ## - Computed with 50% or more 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: 10/01 to 4/14 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	189	50.	138.185	3800.	2.	144164.077	379.689	5.	15.	100.	200.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	189	1.699	1.633	3.58	0.301	0.377	0.614	0.699	1.151	2.	2.301
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			42.952								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/17/67-10/09/73	25	10.	24.6	110.	5.	724.833	26.923	5.	5.	40.	70.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/17/67-10/09/73	25	1.	1.163	2.041	0.699	0.203	0.451	0.699	0.699	1.602	1.845
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			14.566								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	63	40.	41.762	79.	9.	148.088	12.169	29.8	35.	48.	57.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	57	0.01	0.014	0.073	0.001	0.	0.014	0.002	0.005	0.018	0.031
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	101 ##	0.5	3.391	36.	0.5	27.678	5.261	0.5	0.5	5.	10.
71900	MERCURY, TOTAL (UG/L AS HG)	10/26/70-09/17/84	46 ##	0.1	0.158	0.7	0.05	0.028	0.168	0.05	0.05	0.2	0.43
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	65	7.	10.931	75.	2.	165.573	12.868	3.	4.95	13.	19.

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

Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0074

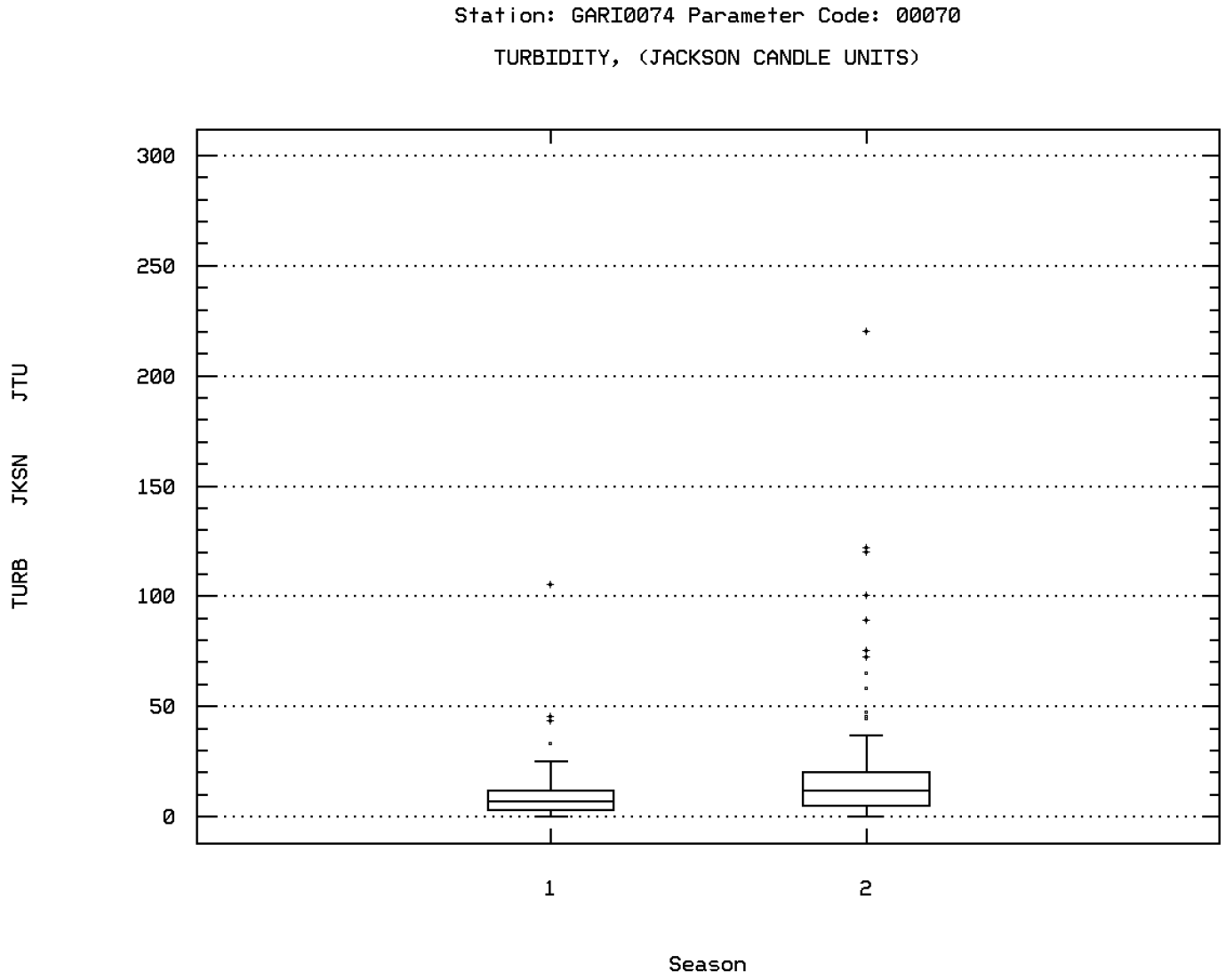
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/46-06/22/95	203	21.4	20.532	29.	5.	16.991	4.122	14.24	18.4	23.	25.
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/17/67-01/31/80	48	66.2	65.079	79.	44.	54.531	7.385	54.86	60.275	69.875	73.92
00060	FLOW, STREAM, MEAN DAILY CFS	02/05/69-08/02/79	43	885.	1874.349	13900.	196.	6069822.185	2463.701	306.6	469.	2360.	4310.
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/10/46-04/05/95	108	674.	1745.787	16100.	3.	7489675.851	2736.727	113.6	298.5	2375.	3532.
00070p	TURBIDITY, (JACKSON CANDLE UNITS)	07/17/50-06/18/74	126	11.5	20.952	220.	0.	1160.998	34.073	2.	4.75	20.	50.3
00080p	COLOR (PLATINUM-COBALT UNITS)	07/10/46-10/15/84	106	8.5	14.514	60.	2.5	189.459	13.764	2.5	5.	25.	40.
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	07/17/67-02/18/75	15	1.	1.493	3.	1.	0.394	0.627	1.	1.	2.	2.4
00087p	ODOR (THRESHOLD NUMBER AT 40 DEG C)	07/10/46-10/15/84	59	1.4	2.444	21.	1.	10.853	3.294	1.	1.4	2.	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/17/74-06/22/95	98	73.	77.776	260.	32.	829.825	28.807	48.9	61.75	88.5	111.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/67-02/23/95	98	64.	66.449	223.	44.	422.704	20.56	48.9	55.	72.25	84.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/12/76-06/22/95	85	8.6	8.649	11.8	6.6	1.117	1.057	7.4	7.85	9.4	10.
00300p	OXYGEN, DISSOLVED MG/L	07/10/46-01/03/80	164	8.1	8.287	12.1	6.3	1.245	1.116	6.9	7.6	8.9	9.95
00301p	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	07/10/46-09/29/92	174	92.15	91.264	123.	8.8	108.555	10.419	79.	87.	97.	101.
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/10/46-10/15/84	192	0.7	0.797	4.1	0.	0.396	0.63	0.2	0.4	1.	1.67
00340	COD, .25N K2CR2O7 MG/L	05/03/78-08/22/94	72	4.	6.6	21.	0.2	28.172	5.308	2.	2.	8.	16.
00400p	PH (STANDARD UNITS)	07/10/46-06/22/95	225	7.	7.031	8.9	5.9	0.174	0.417	6.5	6.8	7.3	7.6
00400p	CONVERTED PH (STANDARD UNITS)	07/10/46-06/22/95	225	7.	6.848	8.9	5.9	0.207	0.455	6.5	6.8	7.3	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/46-06/22/95	225	0.1	0.142	1.259	0.001	0.023	0.153	0.025	0.05	0.158	0.316
00403p	PH, LAB, STANDARD UNITS SU	07/17/67-02/23/95	112	6.8	6.792	7.7	6.	0.09	0.3	6.5	6.6	7.	7.1
00403p	CONVERTED PH, LAB, STANDARD UNITS	07/17/67-02/23/95	112	6.8	6.688	7.7	6.	0.101	0.317	6.5	6.6	7.	7.1
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/67-02/23/95	112	0.158	0.205	1.	0.02	0.027	0.166	0.079	0.1	0.251	0.316
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	252	11.	12.563	43.	1.	27.594	5.253	7.	10.	15.	19.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	07/17/67-09/06/79	52	3.	2.942	9.	1.	2.526	1.589	1.3	2.	3.	5.
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	07/10/46-08/16/54	74	2.	2.5	17.	1.	4.801	2.191	1.	2.	3.	3.
00500p	RESIDUE, TOTAL (MG/L)	07/17/50-09/07/78	158	54.	75.829	375.	4.	4684.983	68.447	36.	44.	75.	140.6
00515p	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/25/51-11/20/74	111	40.	44.027	171.	3.	483.463	21.988	27.	32.	48.	71.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/25/51-06/22/95	221	8.	24.081	340.	0.	2886.425	53.725	1.	3.5	16.5	41.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/19/73-02/23/95	55	0.06	0.081	0.34	0.005	0.004	0.066	0.02	0.03	0.12	0.164
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/17/67-09/17/74	25	0.31	0.429	2.4	0.025	0.202	0.45	0.132	0.235	0.48	0.744
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/19/73-04/05/95	108	0.15	0.197	1.1	0.005	0.03	0.174	0.05	0.1	0.22	0.38
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/18/75-06/22/95	109	0.5	0.503	1.25	0.02	0.037	0.192	0.29	0.365	0.6	0.74
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/19/73-06/22/95	107	0.021	0.041	1.18	0.001	0.014	0.117	0.006	0.01	0.034	0.077
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/21/72-10/15/84	47	5.	5.202	10.	1.	5.268	2.295	2.9	4.	7.	9.2
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/19/73-08/06/84	22 ##	0.001	0.001	0.002	0.001	0.	0.001	0.001	0.001	0.001	0.002
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	07/10/46-06/22/95	199	22.	23.548	118.	1.	159.582	12.633	12.	16.	28.	36.
00929	SODIUM, TOTAL (MG/L AS NA)	01/18/71-09/17/84	23	2.	2.057	4.	1.1	0.468	0.684	1.28	1.6	2.1	3.24
00937	POTASSIUM, TOTAL MG/L AS K)	01/18/71-09/17/84	23	1.	1.041	2.9	0.6	0.179	0.423	0.77	0.9	1.	1.1
00940p	CHLORIDE,TOTAL IN WATER MG/L	07/10/46-10/15/84	192	2.	2.784	35.	0.	12.648	3.556	0.	1.	4.	6.
00945p	SULFATE, TOTAL (MG/L AS SO4)	01/17/62-06/22/95	155	14.	14.394	70.	0.	64.331	8.021	3.	11.	17.	23.
00951	FLUORIDE, TOTAL (MG/L AS F)	11/06/67-09/17/84	68	0.04	0.078	0.68	0.005	0.013	0.112	0.029	0.03	0.07	0.142

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

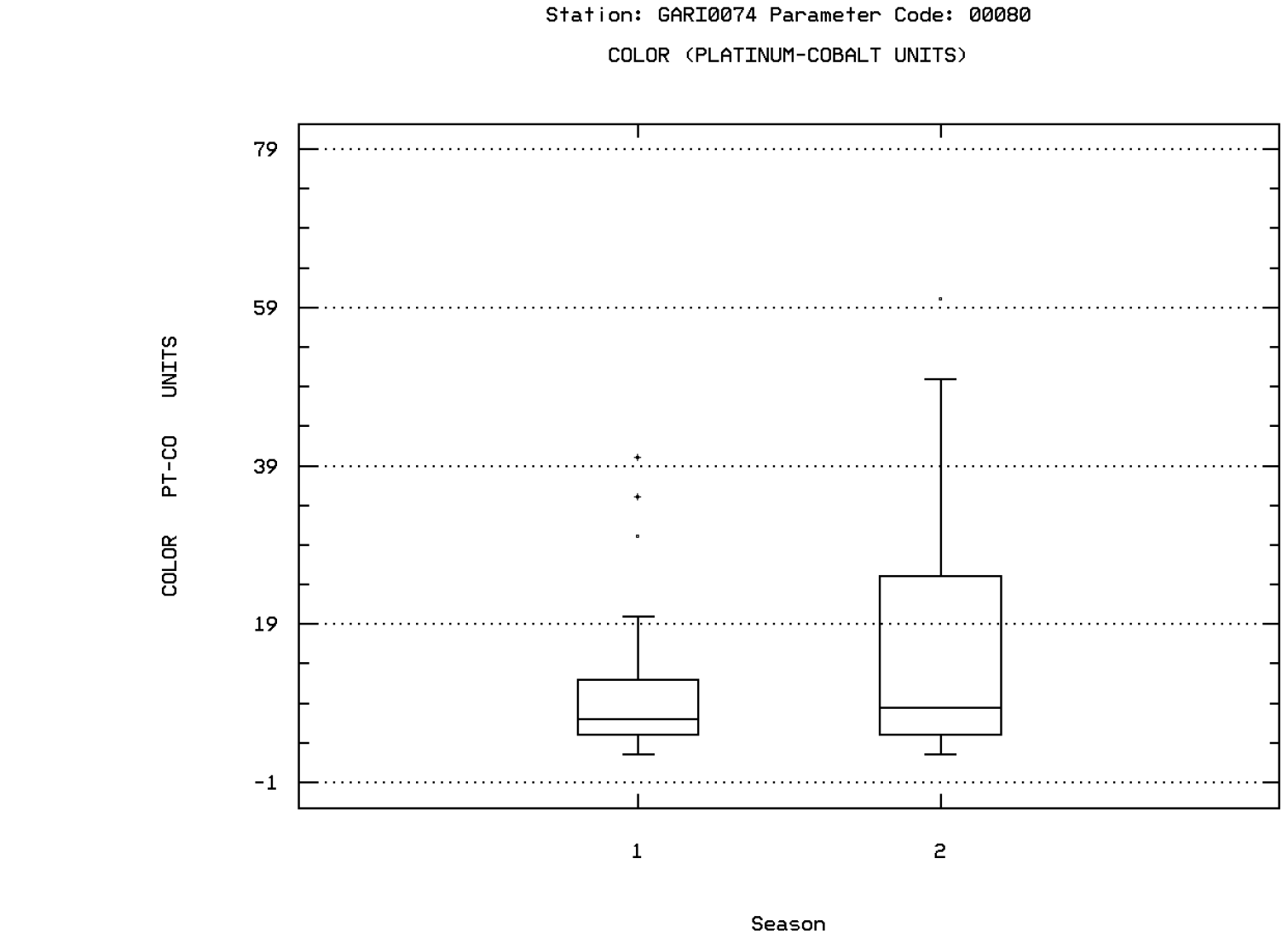
Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/71-09/17/84	21 ##	1.	1.84	7.	0.25	3.654	1.912	0.52	1.	1.5	5.8
01007	BARIUM, TOTAL (UG/L AS BA)	07/15/75-09/17/84	13	40.	72.077	540.	20.	19879.41	140.994	20.	20.	41.	344.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/18/71-10/15/84	61	2.	2.852	24.	0.5	13.27	3.643	0.5	1.	3.	6.8
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	09/23/68-10/15/84	66	1.	1.545	9.	0.5	3.236	1.799	0.5	0.5	2.	4.
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/17/74-09/17/84	26 ##	2.	2.192	5.	2.	0.482	0.694	2.	2.	2.	2.6
01042	COPPER, TOTAL (UG/L AS CU)	01/18/71-09/17/84	20	3.	3.65	9.	1.	7.503	2.739	1.	1.	6.5	7.9
01045p	IRON, TOTAL (UG/L AS FE)	07/17/67-06/22/95	98	240.	338.469	2200.	25.	104641.571	323.483	70.	132.5	440.	693.
01049p	LEAD, DISSOLVED (UG/L AS PB)	11/06/67-06/22/95	14 ##	25.	100.536	650.	0.5	31136.556	176.456	1.25	25.	107.5	475.
01051p	LEAD, TOTAL (UG/L AS PB)	01/18/71-06/22/95	64 ##	10.	17.488	120.	0.5	413.599	20.337	5.	10.	20.	43.
01055p	MANGANESE, TOTAL (UG/L AS MN)	02/12/68-06/22/95	95	35.	42.974	210.	2.5	1230.805	35.083	10.	20.	52.	75.
01067	NICKEL, TOTAL (UG/L AS NI)	11/27/72-09/17/84	13 ##	5.	7.308	10.	5.	6.731	2.594	5.	5.	10.	10.
01077	SILVER, TOTAL (UG/L AS AG)	01/18/71-09/17/84	19 ##	1.	1.658	9.	0.5	3.39	1.841	1.	1.	2.	2.
01092	ZINC, TOTAL (UG/L AS ZN)	01/18/71-09/17/84	30	15.	22.8	138.	3.	699.269	26.444	4.	6.	30.75	49.
01097	ANTIMONY, TOTAL (UG/L AS SB)	06/17/75-09/17/84	13 ##	20.	23.269	40.	2.5	113.942	10.674	9.5	20.	30.	40.
01105p	ALUMINUM, TOTAL (UG/L AS AL)	01/17/72-06/22/95	76	140.	308.237	6000.	20.	501818.93	708.392	25.	80.	342.5	588.
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/72-03/19/84	14 ##	0.75	1.321	3.	0.5	1.1	1.049	0.5	0.5	2.25	3.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	07/31/67-10/15/84	80	690.	2605.875	68000.	50.	62778292.896	7923.275	100.	200.	1875.	6490.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	07/31/67-10/15/84	80	2.839	2.832	4.833	1.699	0.475	0.689	2.	2.301	3.273	3.812
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			678.97								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	203	100.	1777.094	46000.	0.	28696584.085	5356.919	5.	20.	910.	4300.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/10/46-06/22/95	203	2.	2.152	4.663	0.	1.037	1.018	0.699	1.301	2.959	3.633
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			142.016								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/17/67-10/09/73	26	10.	41.346	370.	5.	8281.115	91.001	5.	5.	32.5	138.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/17/67-10/09/73	26	1.	1.147	2.568	0.699	0.299	0.547	0.699	0.699	1.508	1.996
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			14.03								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/74-10/15/84	55	39.	41.909	152.	27.	276.566	16.63	32.6	36.	43.	48.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	01/12/76-09/17/84	46	0.008	0.101	3.	0.001	0.212	0.46	0.002	0.003	0.021	0.07
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)	10/23/79-06/22/95	82 ##	0.5	2.744	31.	0.5	24.032	4.902	0.5	0.5	3.	9.8
71900	MERCURY, TOTAL (UG/L AS HG)	10/26/70-09/17/84	33 ##	0.1	0.171	0.6	0.05	0.027	0.164	0.05	0.05	0.3	0.46
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/17/74-10/15/84	55	6.	9.587	40.	1.	61.836	7.864	3.	4.	14.	18.8

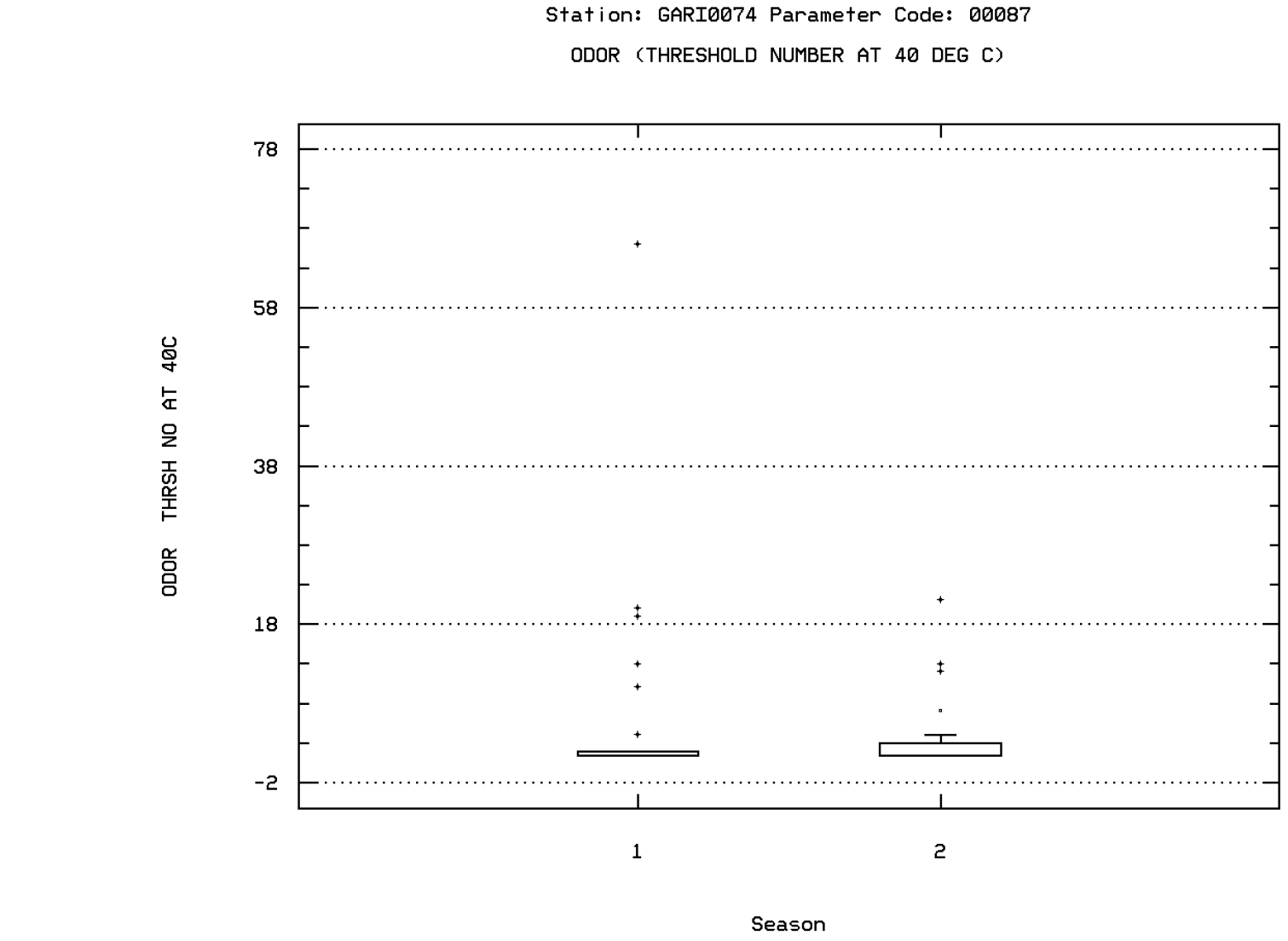
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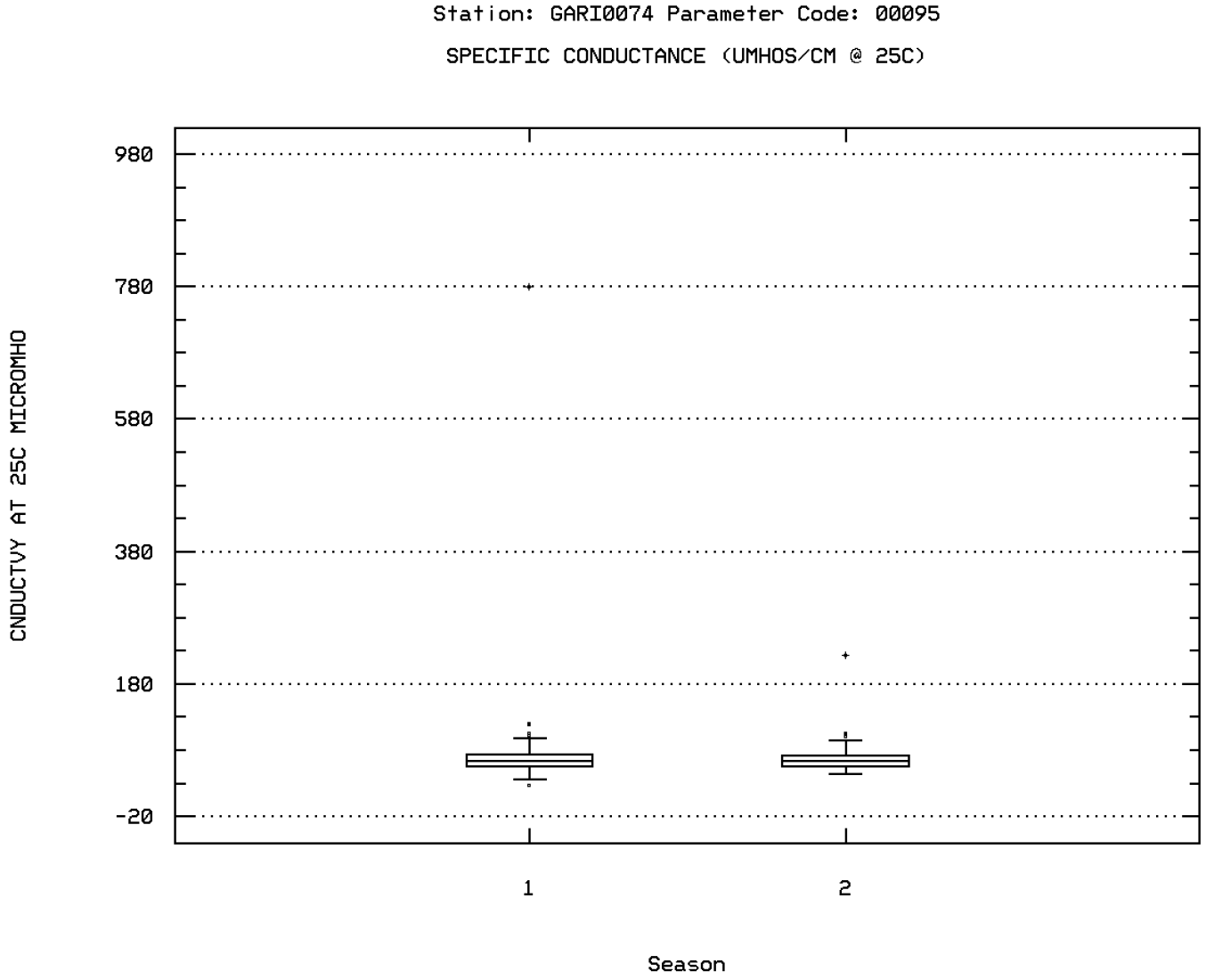
Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.



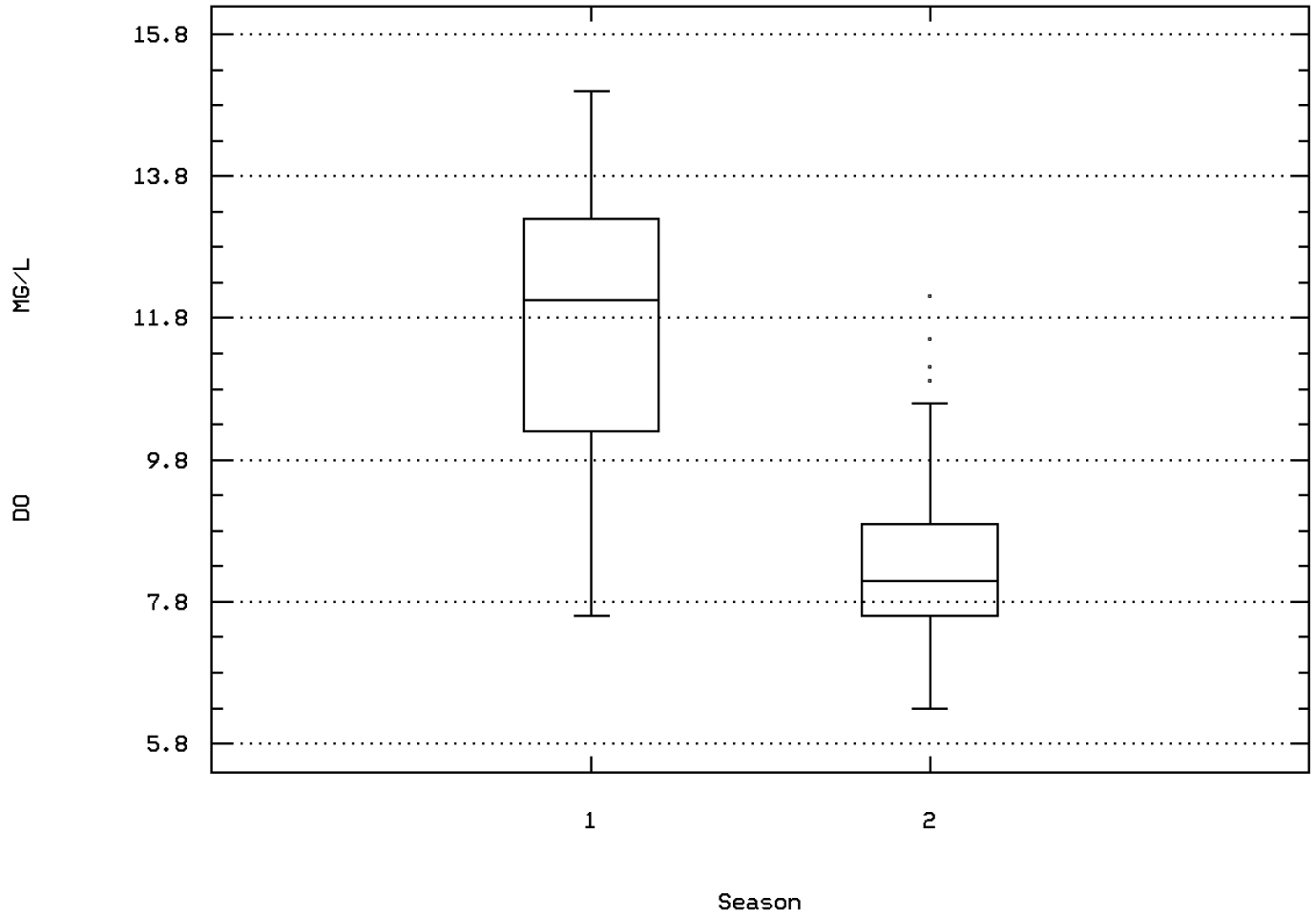
Gauley River at Beech Glen, W. Va.



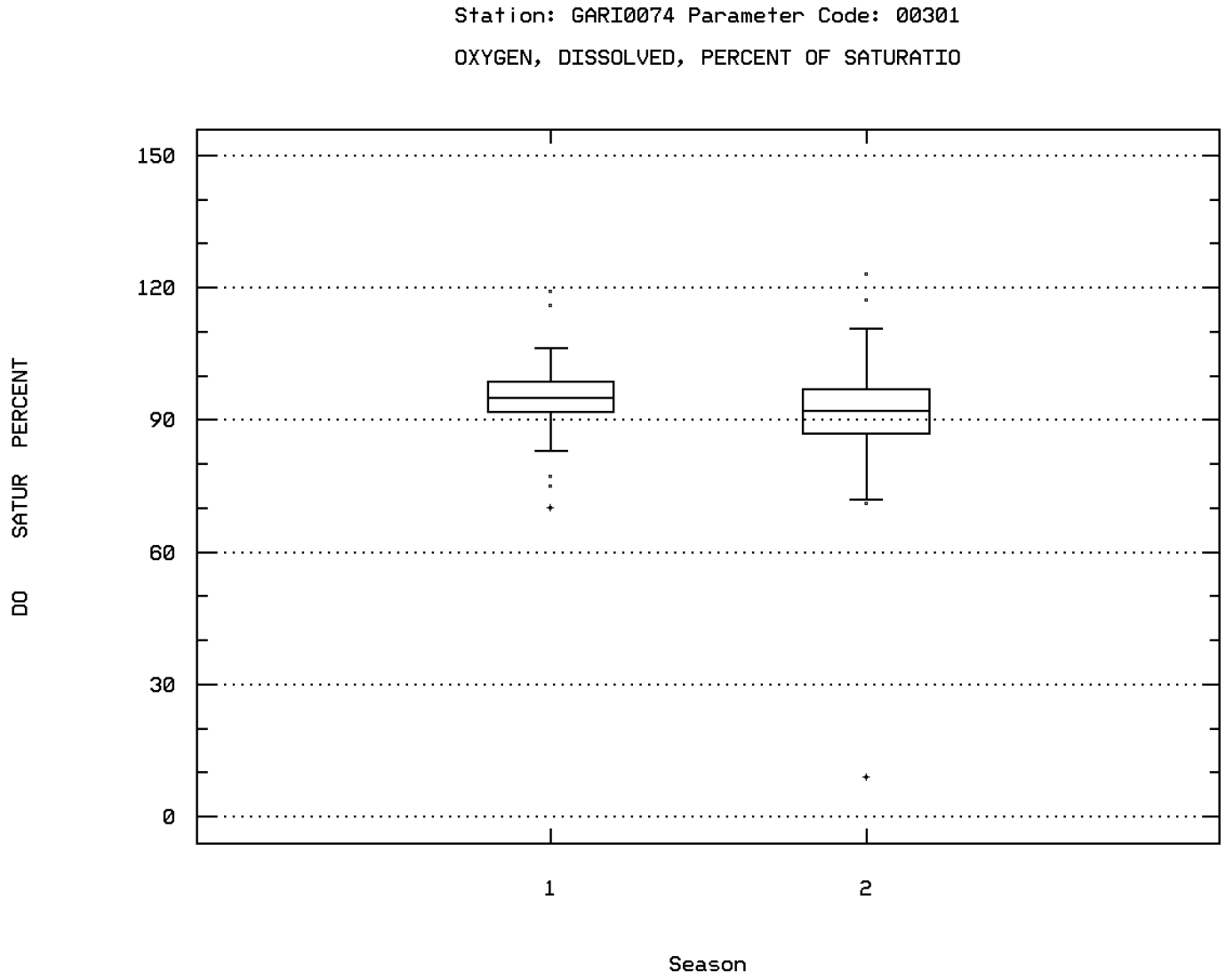
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00300

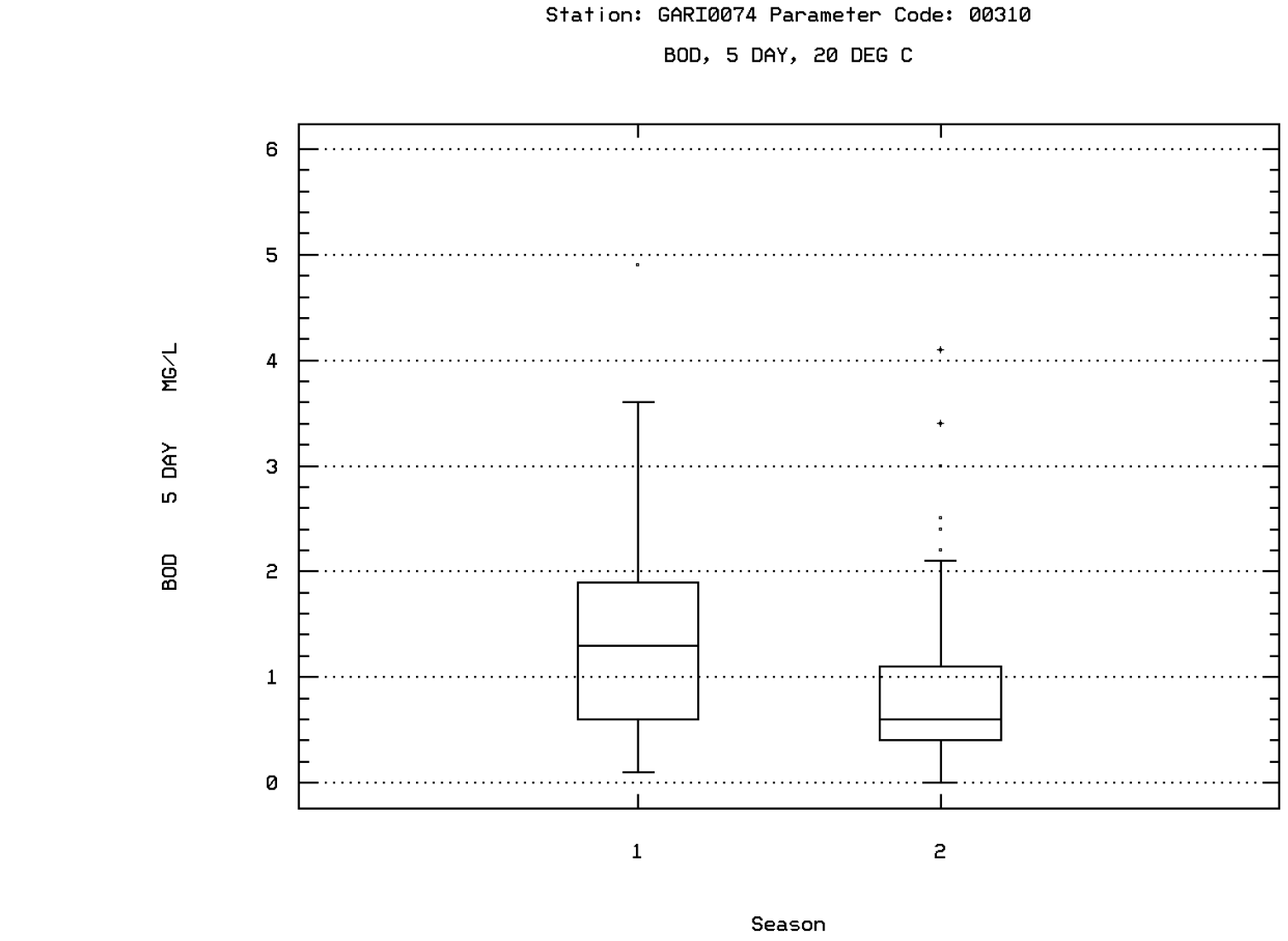
OXYGEN, DISSOLVED



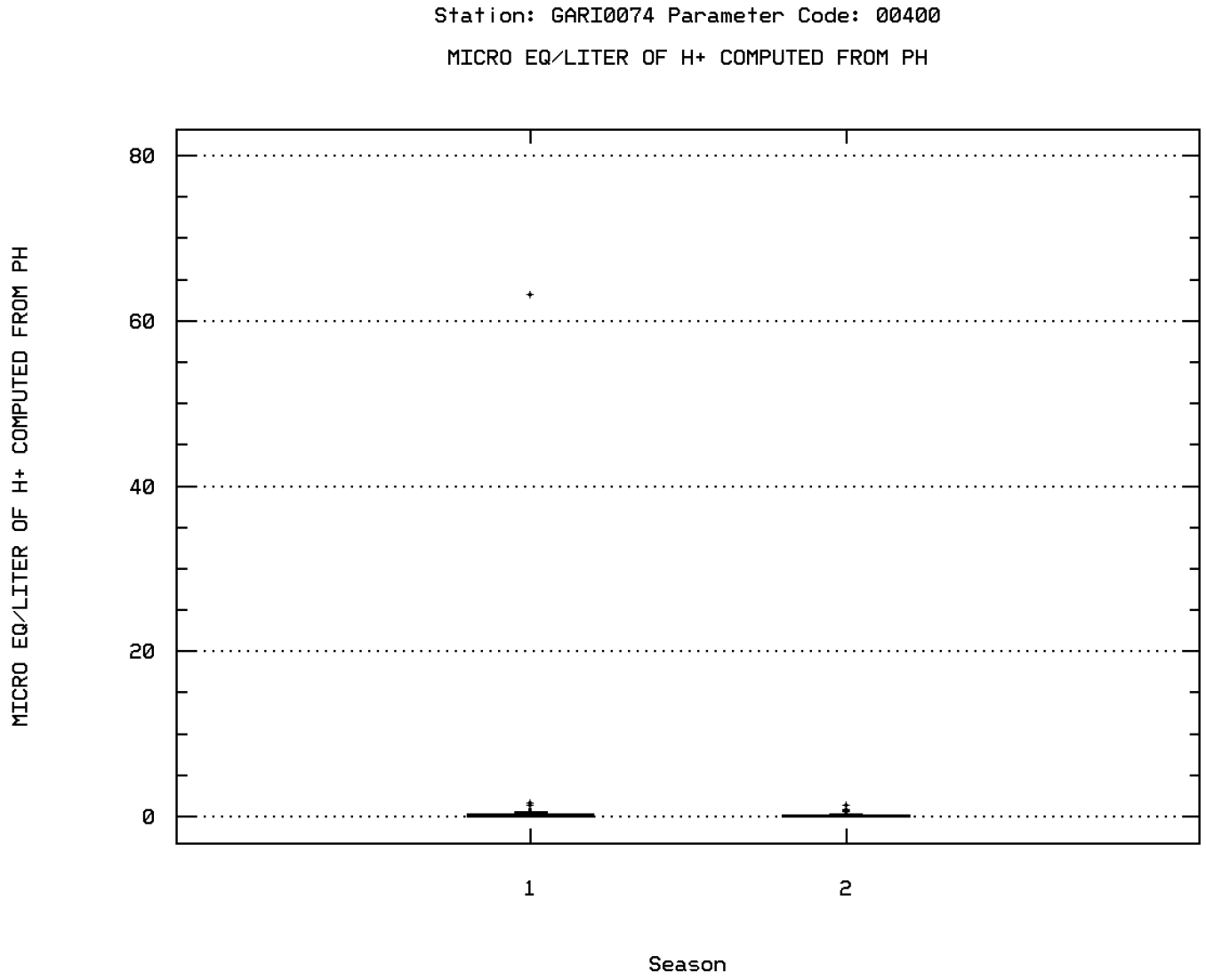
Gauley River at Beech Glen, W. Va.



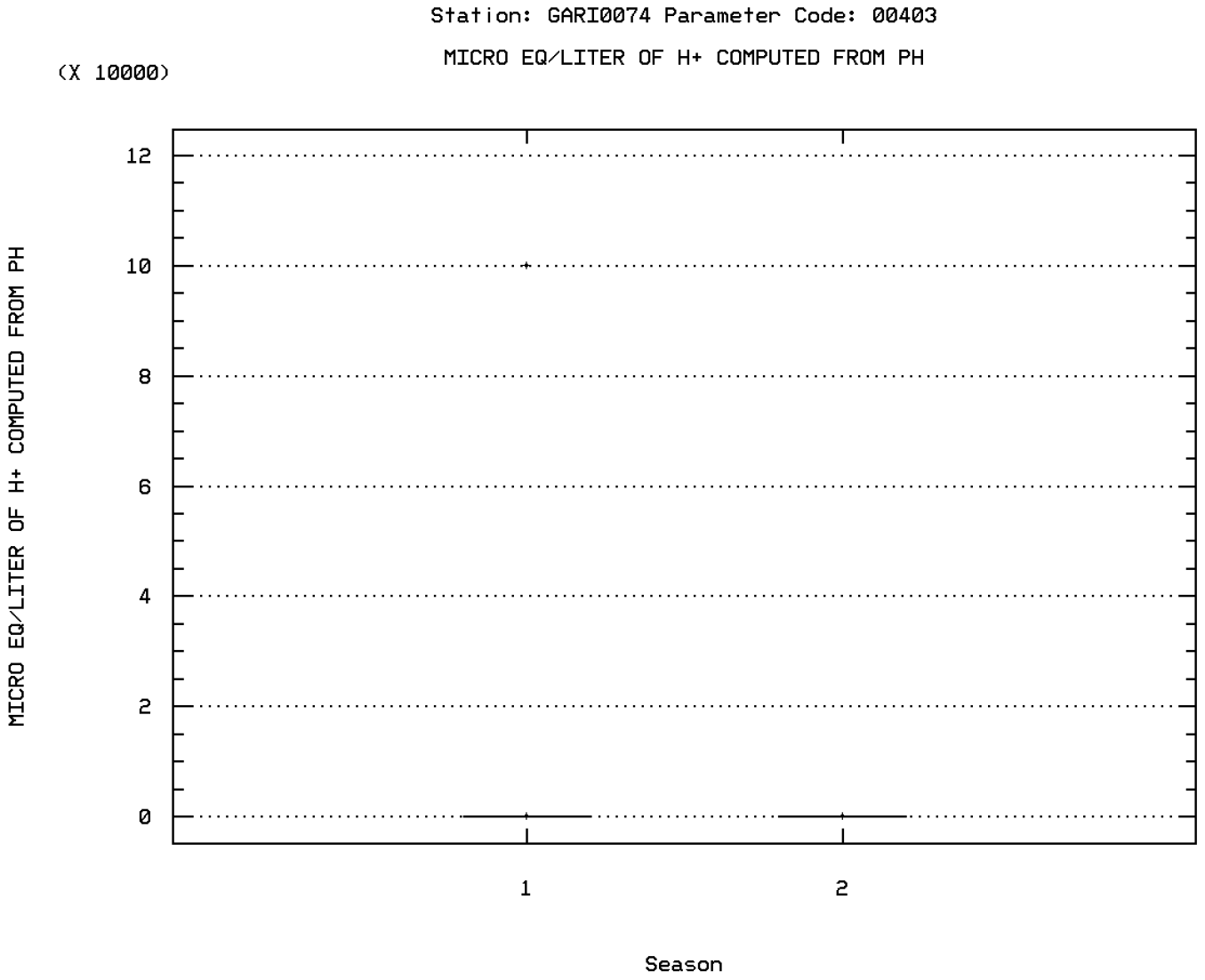
Gauley River at Beech Glen, W. Va.



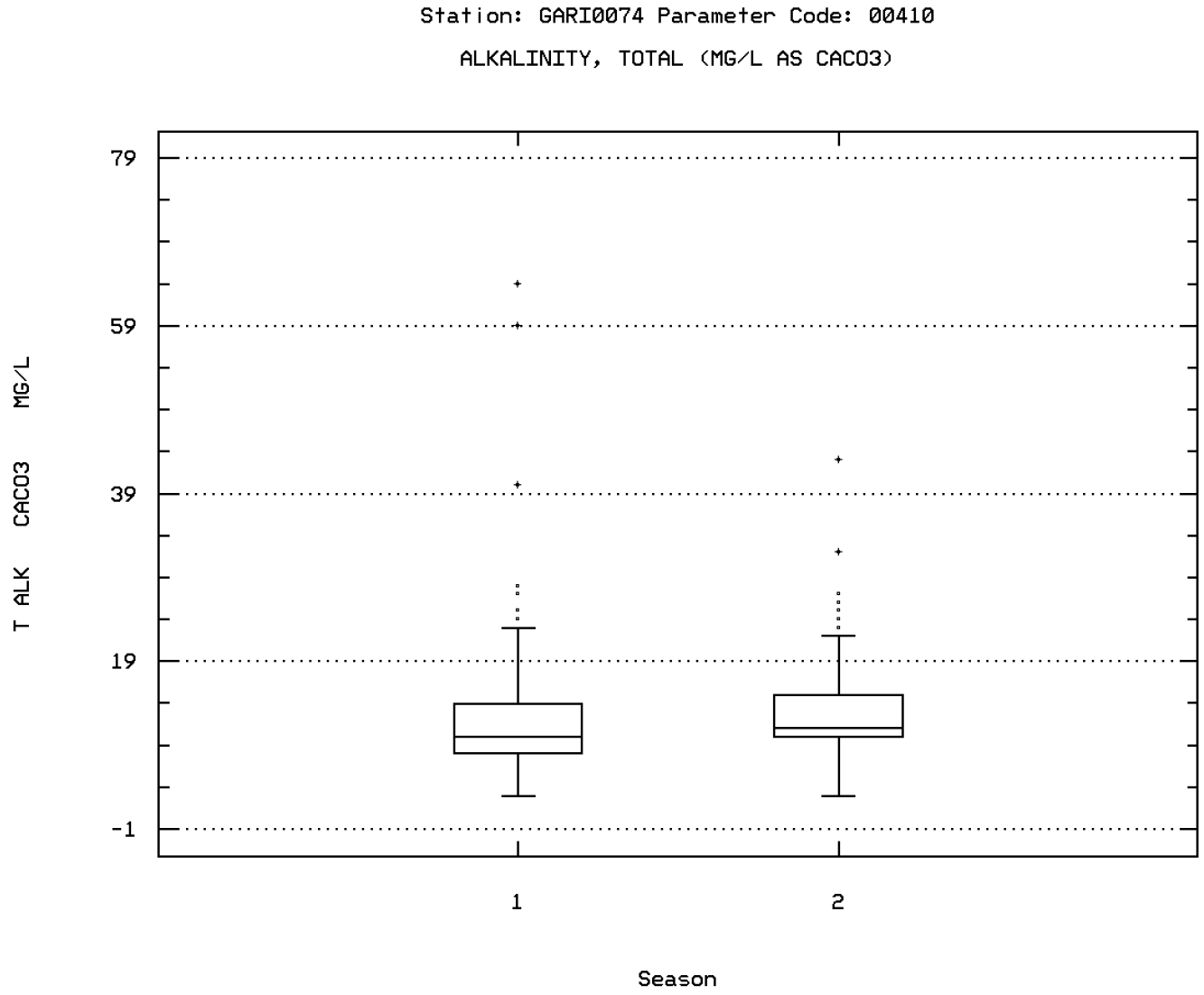
Gauley River at Beech Glen, W. Va.



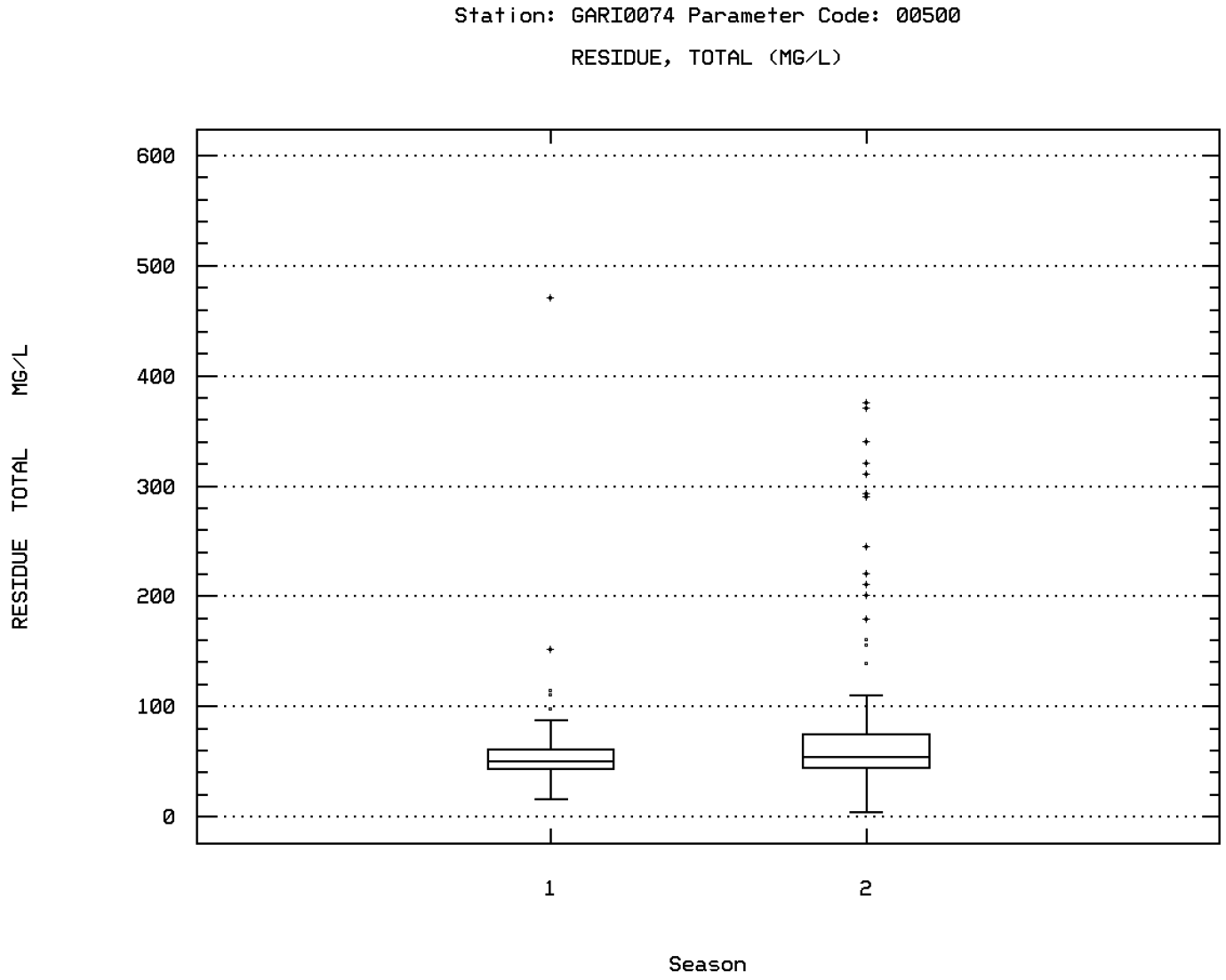
Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.



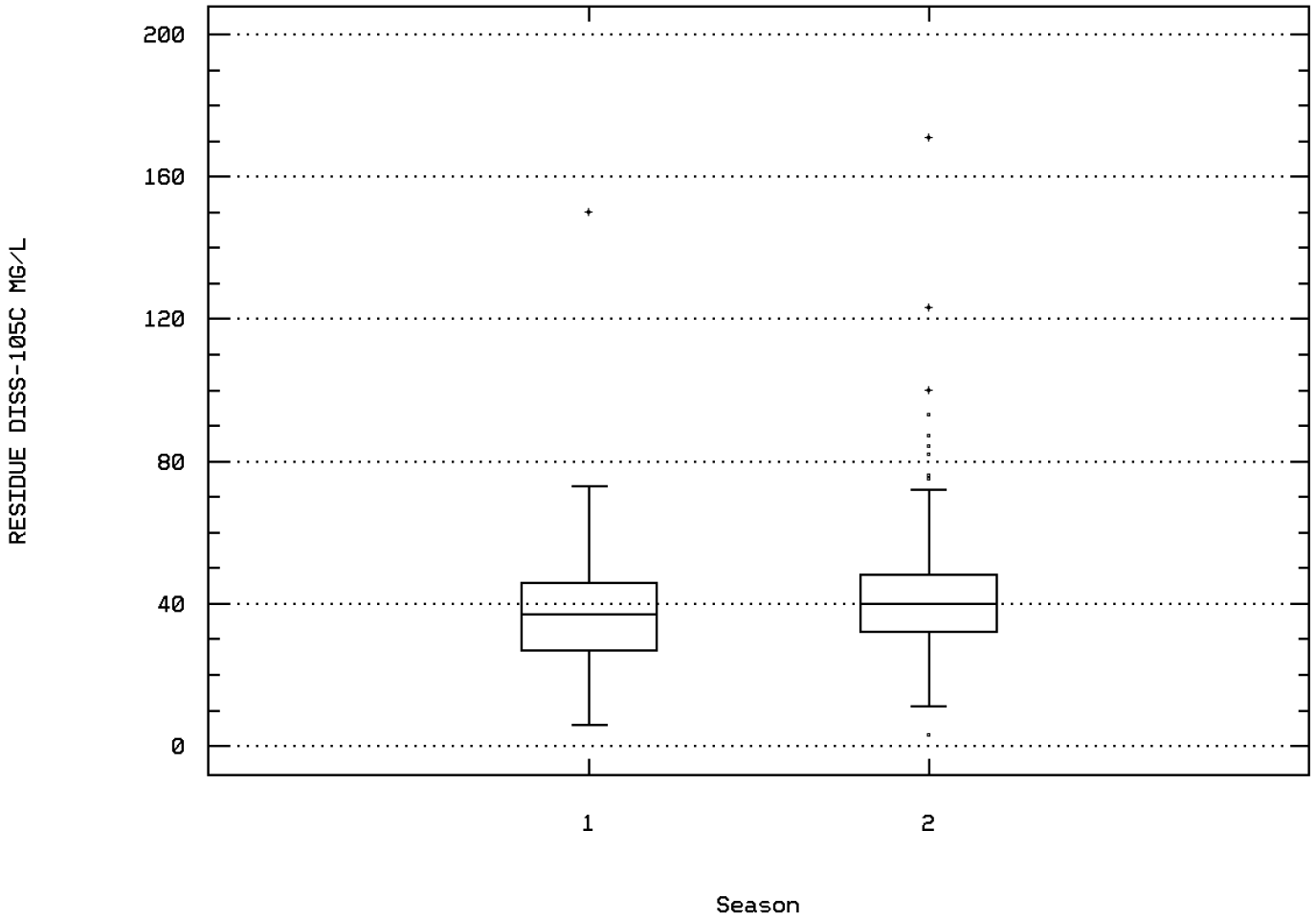
Gauley River at Beech Glen, W. Va.



Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00515

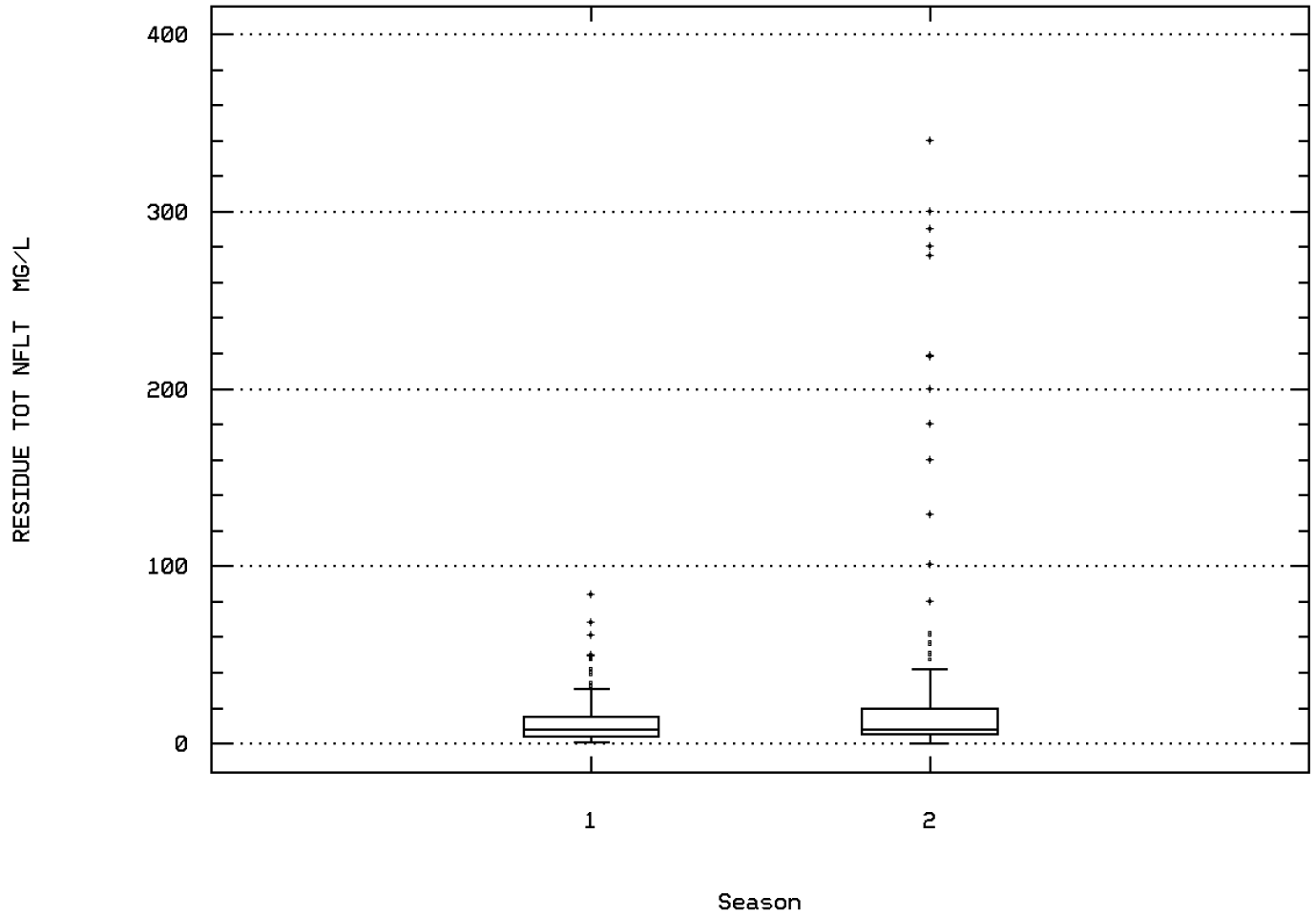
RESIDUE, TOTAL FILTRABLE (DRIED AT 105



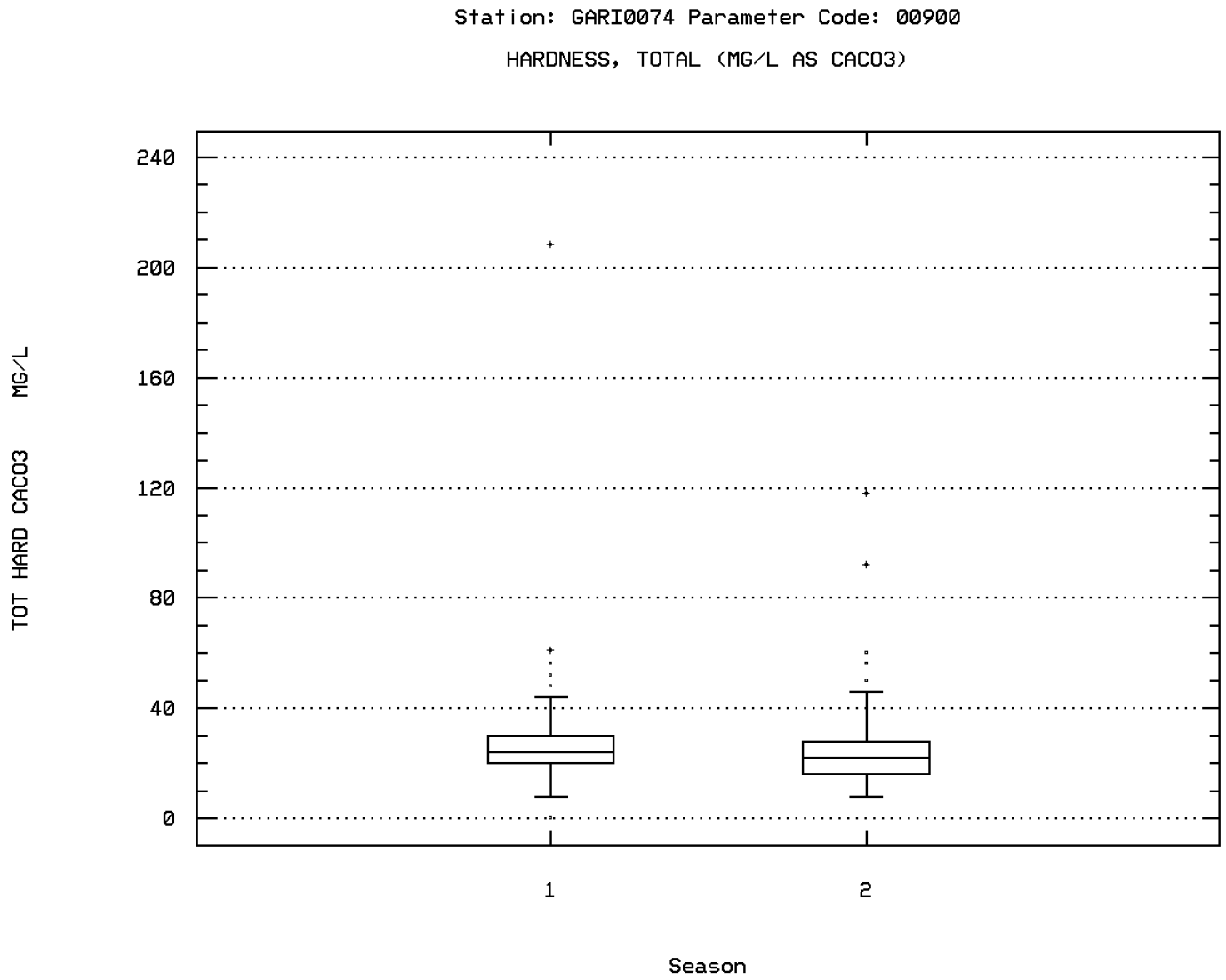
Gauley River at Beech Glen, W. Va.

Station: GARI0074 Parameter Code: 00530

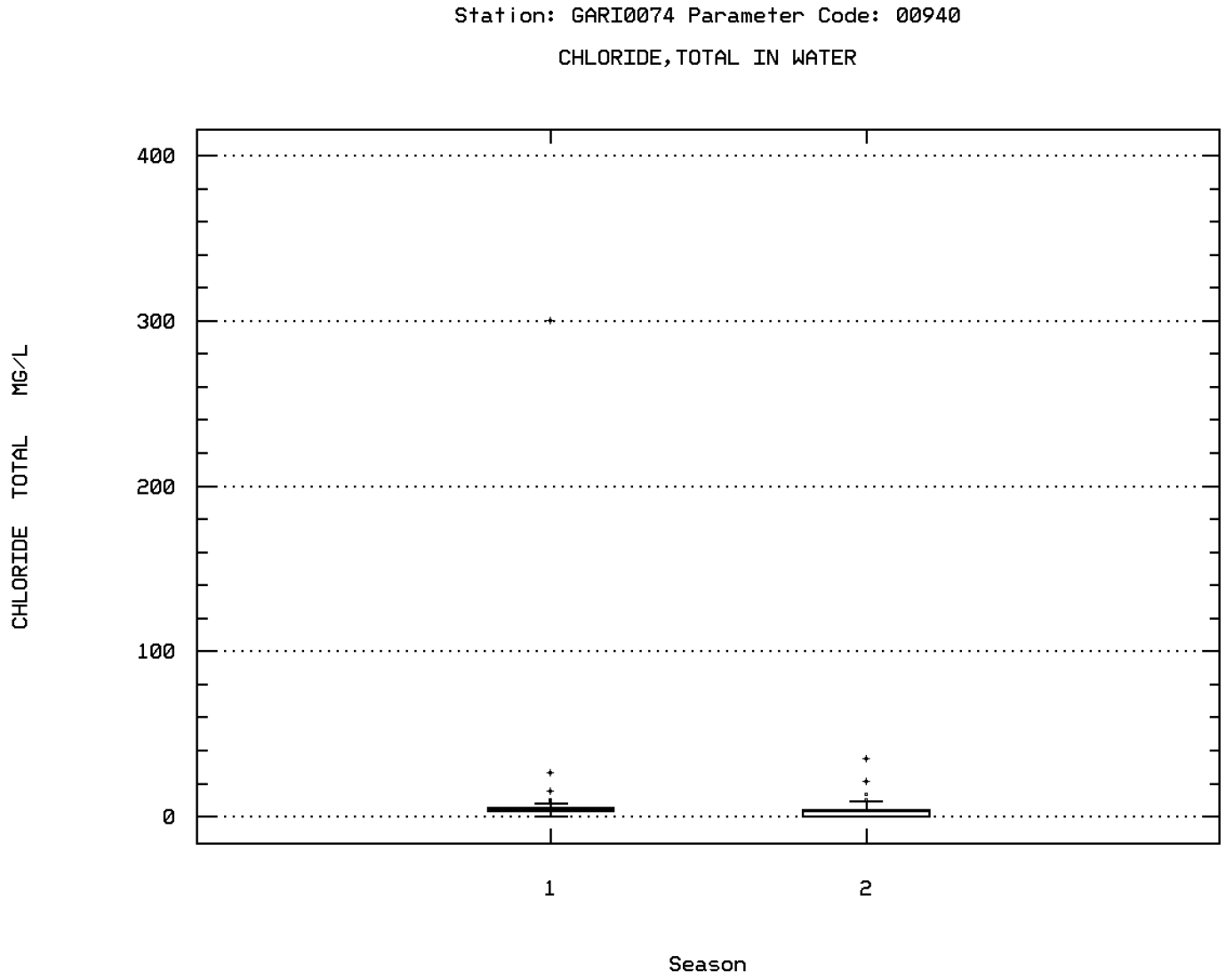
RESIDUE, TOTAL NONFILTRABLE (MG/L)



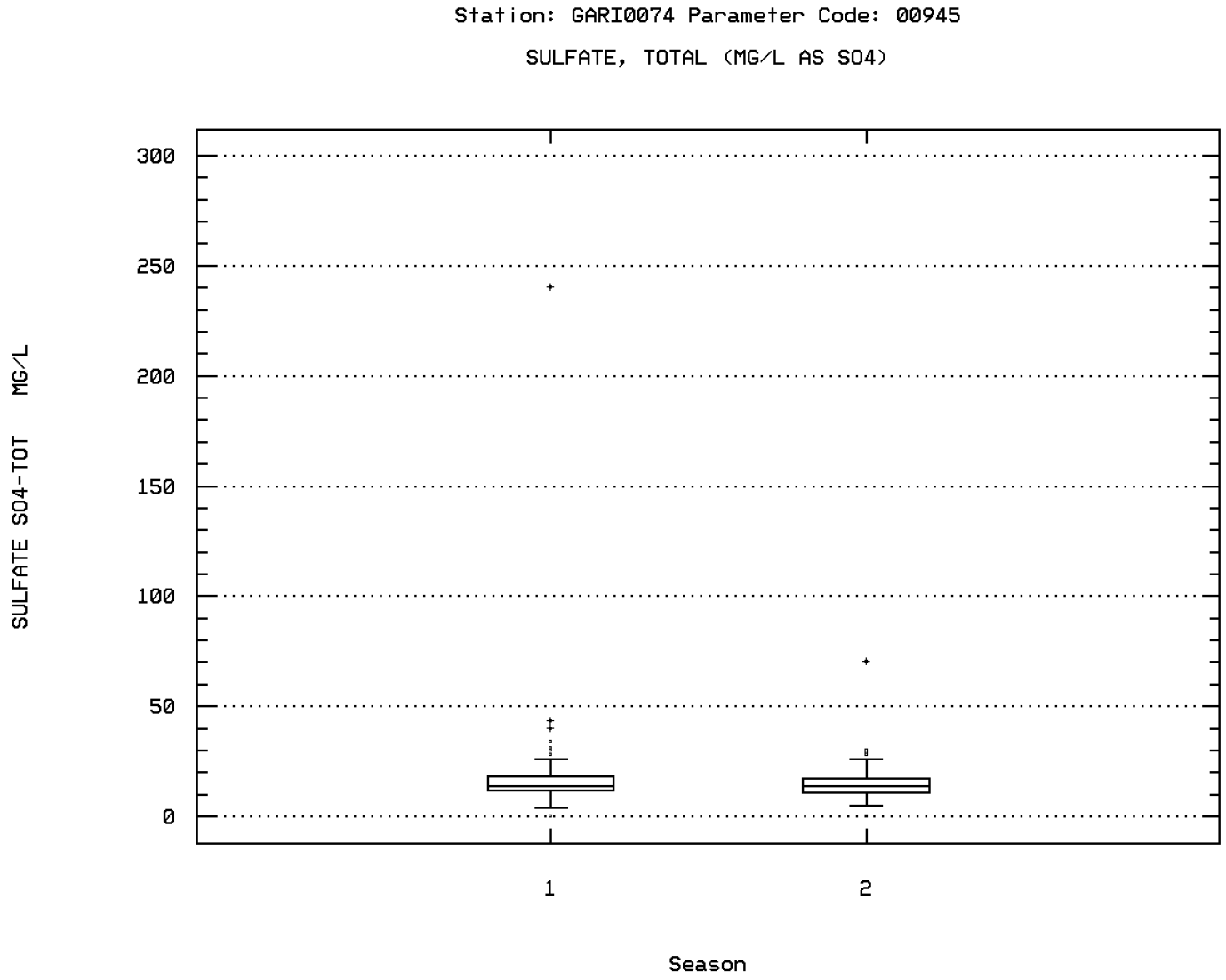
Gauley River at Beech Glen, W. Va.



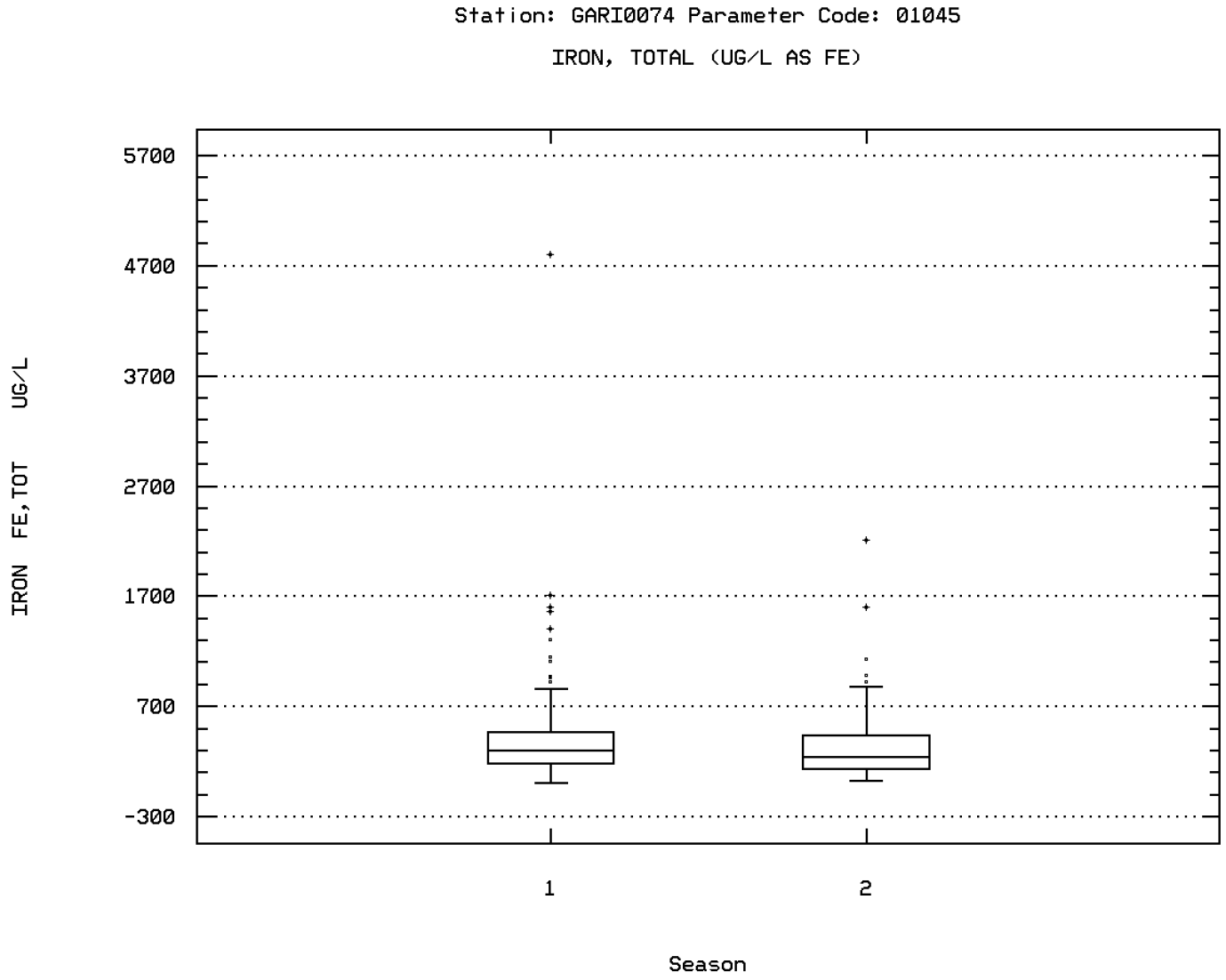
Gauley River at Beech Glen, W. Va.



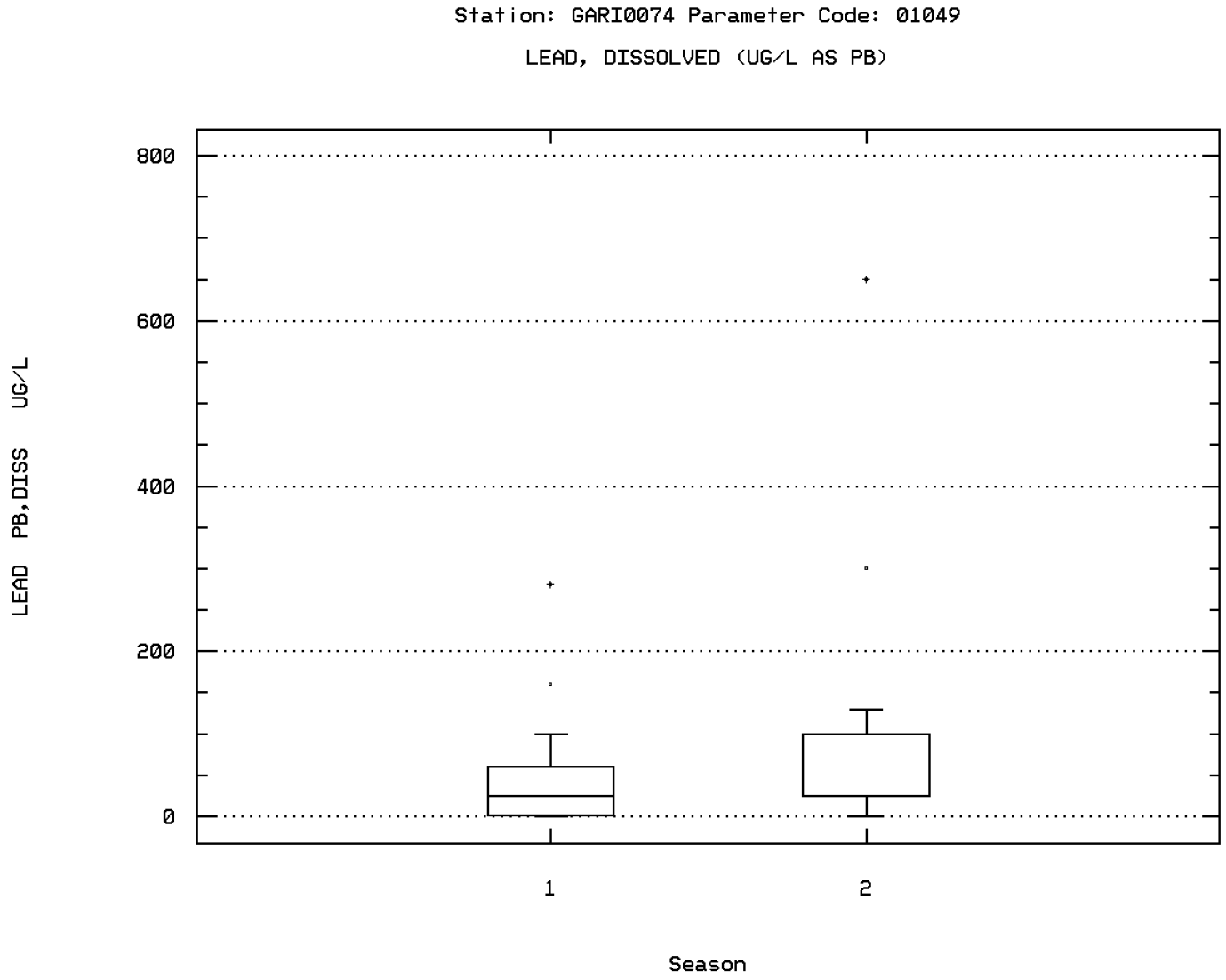
Gauley River at Beech Glen, W. Va.



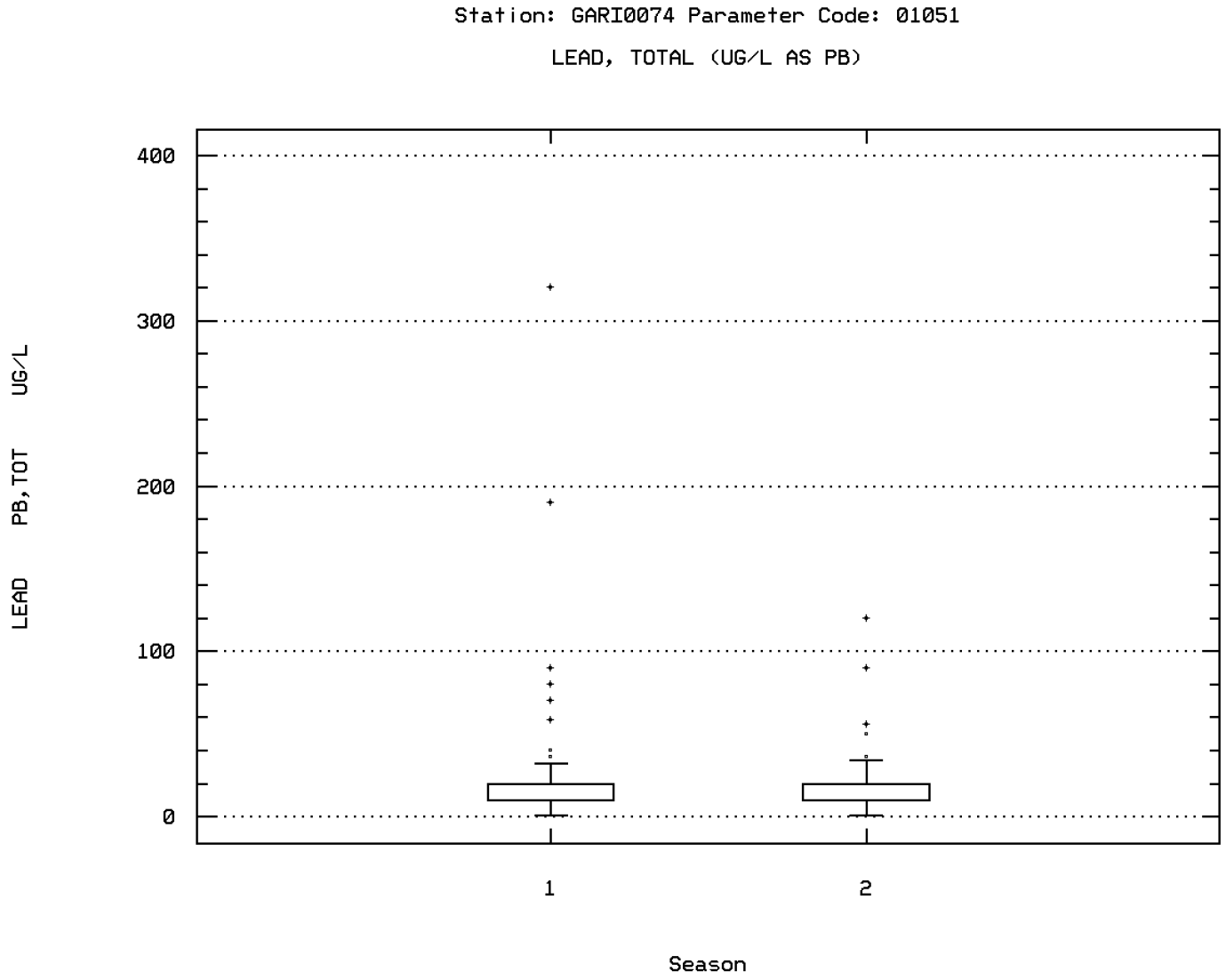
Gauley River at Beech Glen, W. Va.



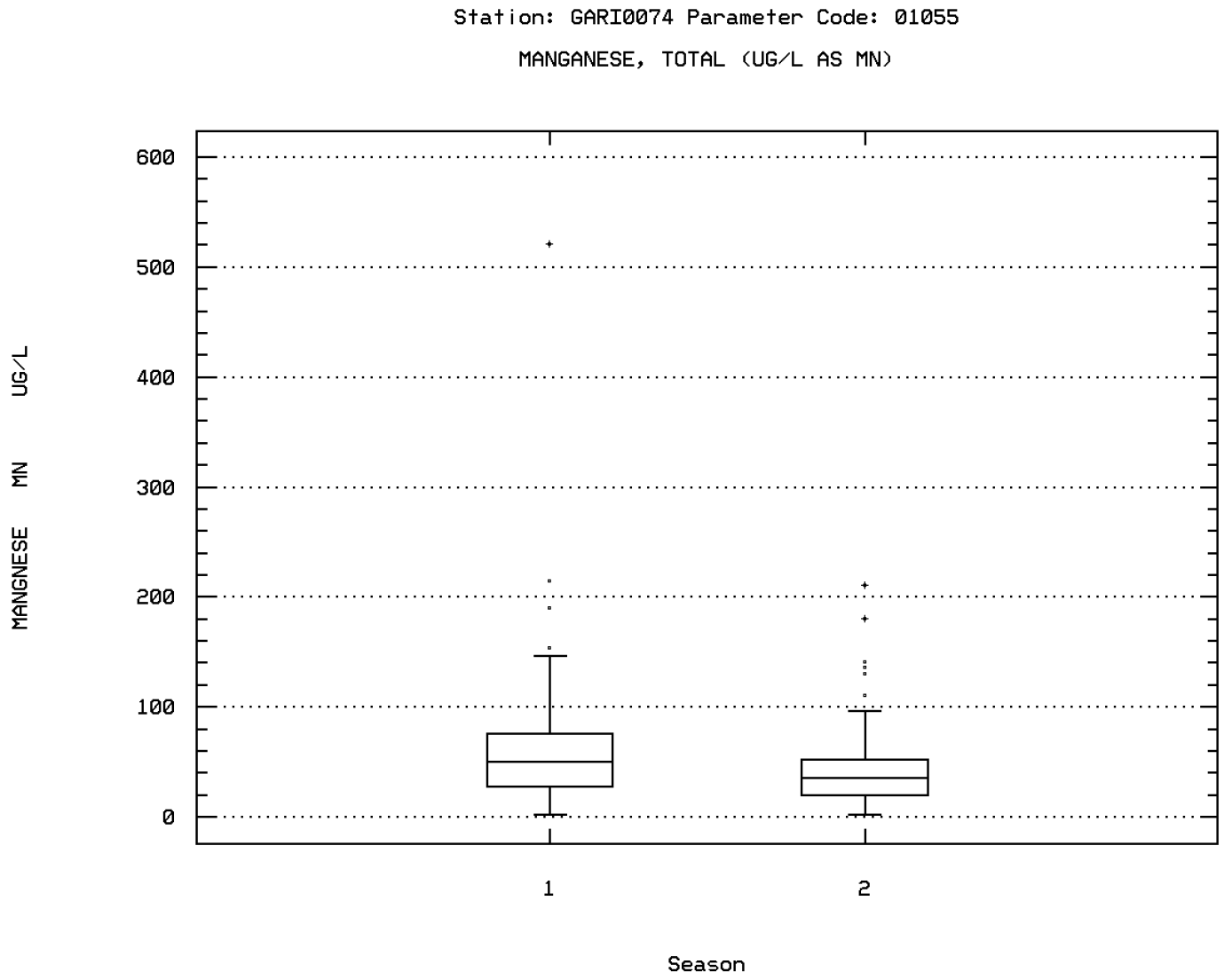
Gauley River at Beech Glen, W. Va.



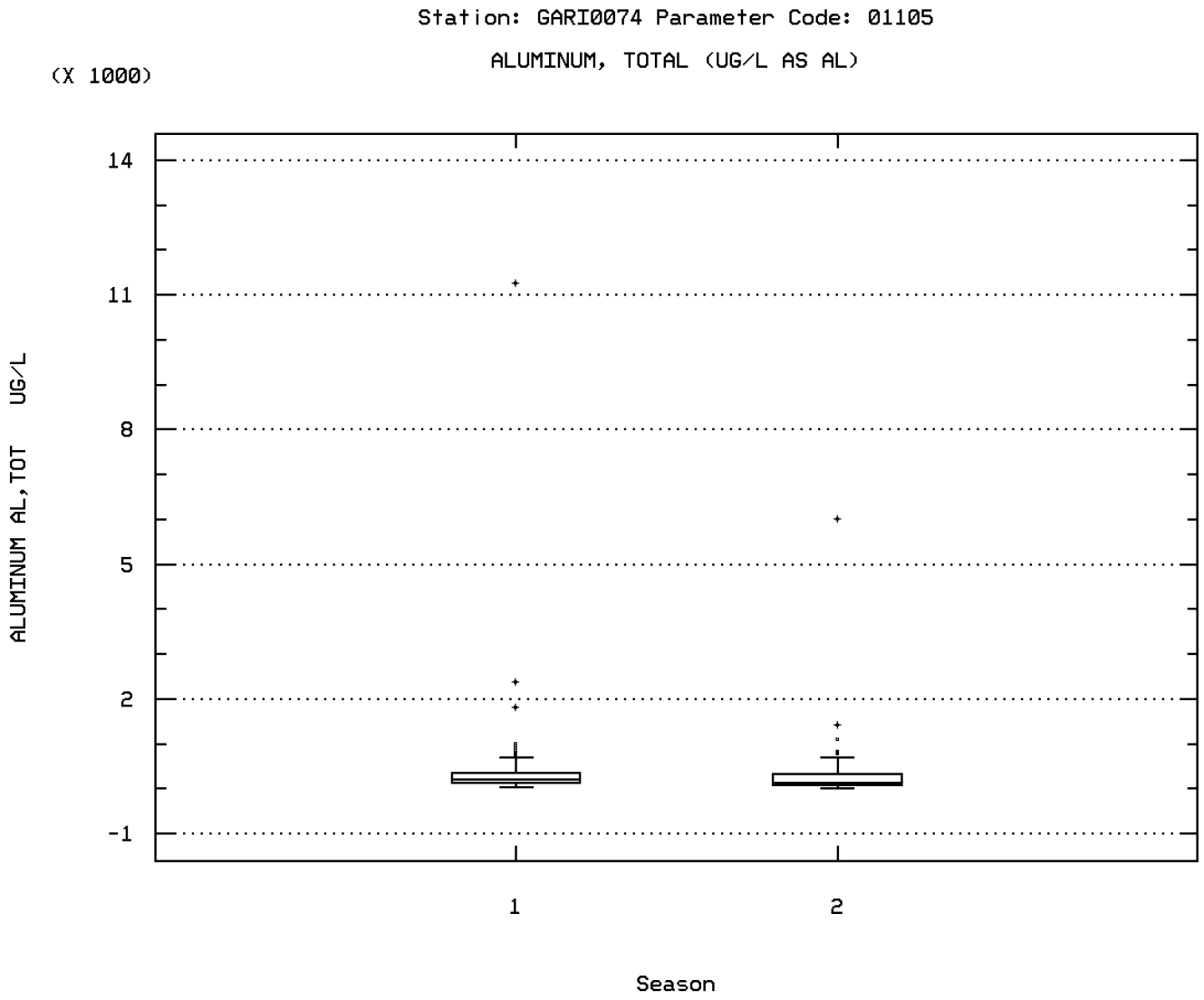
Gauley River at Beech Glen, W. Va.



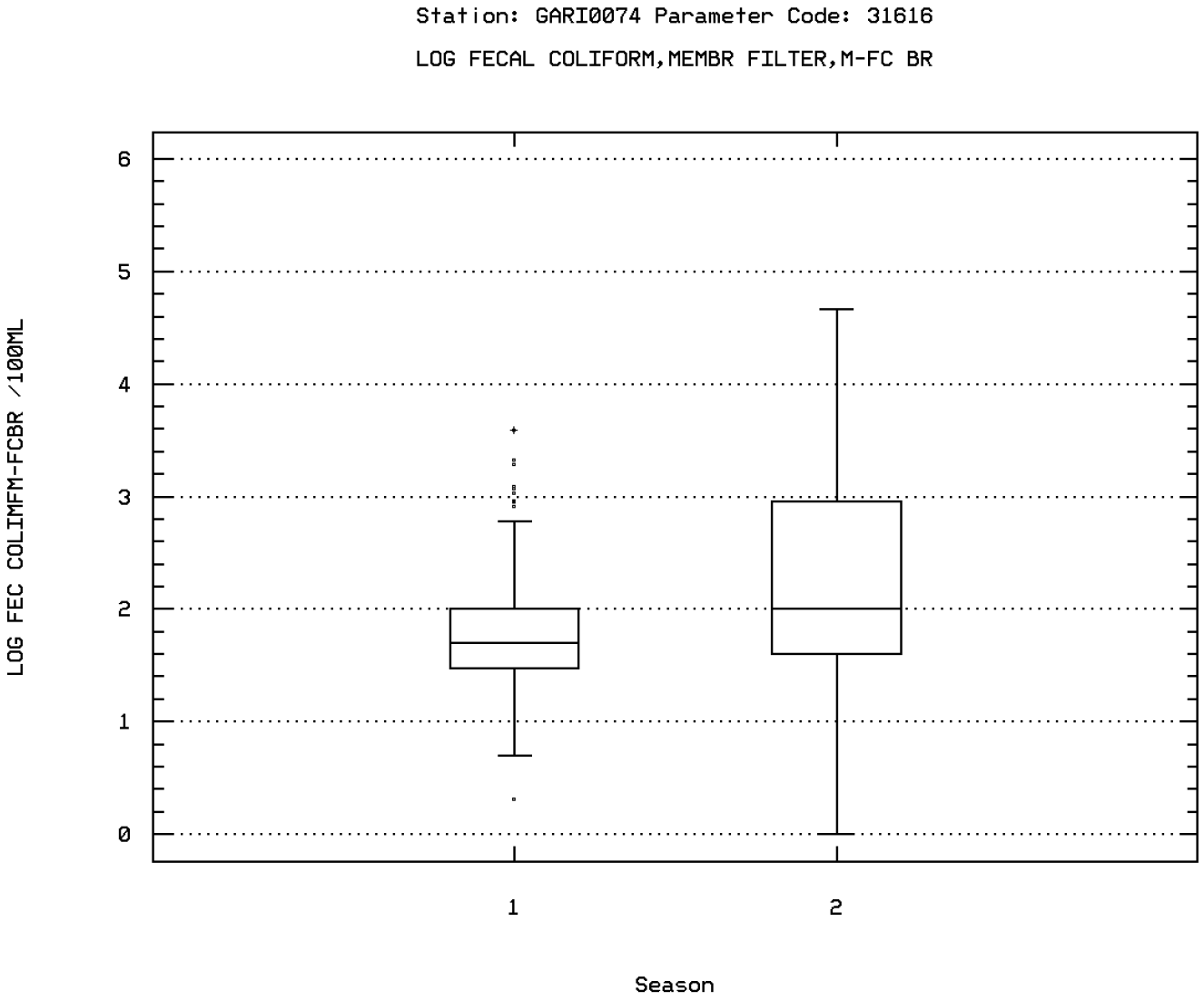
Gauley River at Beech Glen, W. Va.



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Gauley River at Beech Glen, W. Va.

Station Inventory for Station: GARI0075

NPS Station ID: GARI0075
LAT/LON: 38.233337/ -81.179170
Agency: 112WRD
Date Created: 06/16/79
Location: R23.0GAULEY R ABV BELVA WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381400081104539
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 2.20
On/Off RF1:
RF3 Index: 05050005004400.39
RF3 Mile Point: 0.41
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/25/78-08/27/80	21	15.5	14.214	24.5	0.5	47.614	6.9	2.3	8.75	19.5	22.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/25/78-08/19/80	11	15.	15.136	30.	-5.	110.105	10.493	4.3	-5.	24.	29.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/25/78-08/27/80	22	2390.	4323.409	17400.	394.	21875677.11	4677.144	948.4	1397.5	5210.	13640.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/18/79-08/27/80	20	65.	64.5	85.	27.	190.158	13.79	36.1	61.25	70.	80.
00300	OXYGEN, DISSOLVED MG/L	01/18/79-08/27/80	5	11.	11.32	14.	7.6	6.232	2.496	**	**	**	**
00400	PH (STANDARD UNITS)	02/28/79-08/27/80	17	6.6	6.718	7.5	6.2	0.113	0.336	6.28	6.5	6.95	7.26
00400	CONVERTED PH (STANDARD UNITS)	02/28/79-08/27/80	17	6.6	6.614	7.5	6.2	0.124	0.353	6.28	6.5	6.95	7.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/28/79-08/27/80	17	0.251	0.243	0.631	0.032	0.026	0.16	0.057	0.113	0.316	0.527
00405	CARBON DIOXIDE (MG/L AS CO2)	09/05/79-09/17/79	3	3.1	3.567	5.1	2.5	1.853	1.361	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	14	9.5	10.5	18.	8.	10.115	3.18	8.	8.	12.25	17.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	14	0.	1.607	5.	0.	5.391	2.322	0.	0.	5.	5.
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	1	0.79	0.79	0.79	0.79	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/80-07/11/80	2	0.8	0.8	0.9	0.7	0.02	0.141	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/80-07/11/80	2	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/79-08/19/80	14	22.	21.071	24.	18.	5.918	2.433	18.	18.75	23.25	24.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/24/79-08/19/80	14	10.	10.286	16.	5.	9.758	3.124	5.5	8.	12.5	15.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/79-08/19/80	14	5.3	5.043	5.8	4.1	0.407	0.638	4.15	4.4	5.625	5.75
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/79-08/19/80	14	2.	2.057	2.4	1.8	0.049	0.221	1.8	1.875	2.225	2.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/03/79-08/19/80	12	2.4	2.375	3.1	1.8	0.138	0.372	1.86	2.1	2.675	2.98
00931	SODIUM ADSORPTION RATIO	07/03/79-08/19/80	12	0.2	0.217	0.3	0.2	0.002	0.039	0.2	0.2	0.2	0.3
00940	CHLORIDE,TOTAL IN WATER MG/L	05/24/79-08/19/80	14	2.	2.286	4.	2.	0.374	0.611	2.	2.	2.25	3.5
00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-08/19/80	14	14.	14.071	17.	11.	2.841	1.685	11.5	13.	16.	16.5
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/19/80	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/19/80	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/19/80	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/19/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/19/80	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-09/10/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/19/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-09/10/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-08/19/80	10	595.	1151.	4200.	40.	1593765.556	1262.444	53.	312.5	1775.	3980.
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-08/19/80	14	650.	1172.143	4300.	70.	1336741.209	1156.175	135.	315.	1850.	3250.
01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-08/19/80	14	60.	60.714	100.	10.	653.297	25.56	20.	45.	82.5	95.

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

Parameter Inventory for Station: GARI0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/19/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-09/10/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-09/10/79	1	760.	760.	760.	760.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-08/19/80	14	35.	70.714	410.	0.	11191.758	105.791	0.	17.5	80.	275.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-08/19/80	14	50.	92.143	480.	20.	14002.747	118.333	25.	37.5	95.	315.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-08/19/80	14	15.	20.714	67.	0.	370.681	19.253	2.5	5.	40.	53.5
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/19/80	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/19/80	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/19/80	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/19/80	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-09/10/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/19/80	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-09/10/79	1	13000.	13000.	13000.	13000.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/24/79-08/19/80	13	44.	41.154	54.	6.	133.141	11.539	18.	39.5	47.5	51.6
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/19/80	13	234.	392.846	1770.	115.	198763.308	445.829	119.	168.	373.5	1363.6
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/24/79-08/19/80	13	0.06	0.057	0.07	0.01	0.	0.015	0.026	0.055	0.065	0.07
71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-08/19/80	14 ##	0.05	0.054	0.1	0.	0.001	0.037	0.	0.038	0.1	0.1
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-09/10/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GARI0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00	2	0	0.00						
00400	PH	Other-Hi Lim.	9.	17	0	0.00	6	0	0.00	11	0	0.00						
		Other-Lo Lim.	6.5	17	6	0.35	6	5	0.83	11	1	0.09						
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.	14	0	0.00	4	0	0.00	10	0	0.00						
		Drinking Water	250.	14	0	0.00	4	0	0.00	10	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	4	0	0.00	10	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0076

NPS Station ID: GARI0076
LAT/LON: 38.233337/ -81.181115
Agency: 112WRD
Date Created: / /
Location: GAULEY RIVER ABOVE BELVA, WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03192000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005003
RF1 Mile Point: 0.550
Distance from RF1: 2.00
On/Off RF1: OFF
RF3 Index: 05050005005902.86
RF3 Mile Point: 4.04
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	193	16.	15.324	29.	0.	67.141	8.194	3.5	8.	22.75	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/13/45-08/14/85	130	20.5	18.208	36.	-5.	100.084	10.004	5.55	-4.625	26.	29.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	190	1325.	2493.158	20700.	20.	11355608.991	3369.808	182.7	447.	3210.	5371.
00065	STAGE, STREAM (FEET)	03/05/71-05/21/71	3	3.38	3.553	5.04	2.24	1.983	1.408	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/03/61-10/27/66	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/16/80-10/16/80	1	77.	77.	77.	77.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	86	70.	69.86	105.	27.	170.263	13.048	55.7	61.	78.25	88.6
00300	OXYGEN, DISSOLVED MG/L	05/23/73-03/14/83	33	10.8	10.433	14.	7.4	3.49	1.868	7.68	8.95	11.75	13.16
00400	PH (STANDARD UNITS)	05/03/61-01/09/85	77	6.8	6.764	7.7	5.5	0.229	0.479	6.2	6.45	7.15	7.4
00400	CONVERTED PH (STANDARD UNITS)	05/03/61-01/09/85	77	6.8	6.483	7.7	5.5	0.31	0.556	6.2	6.45	7.15	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/61-01/09/85	77	0.158	0.329	3.162	0.02	0.281	0.53	0.04	0.071	0.357	0.631
00403	PH, LAB, STANDARD UNITS SU	10/16/80-03/14/83	10	6.95	7.01	7.6	6.7	0.085	0.292	6.7	6.775	7.225	7.57
00403	CONVERTED PH, LAB, STANDARD UNITS	10/16/80-03/14/83	10	6.947	6.936	7.6	6.7	0.092	0.303	6.7	6.775	7.225	7.57
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/16/80-03/14/83	10	0.113	0.116	0.2	0.025	0.004	0.062	0.028	0.06	0.169	0.2
00405	CARBON DIOXIDE (MG/L AS CO2)	09/05/79-12/10/81	11	3.2	3.355	5.1	1.1	1.467	1.211	1.28	2.5	4.6	5.02
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/61-03/14/83	35	10.	10.114	22.	3.	15.222	3.902	5.	8.	12.	16.
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/18/82	25	0.	1.8	5.	0.	5.479	2.341	0.	0.	5.	5.
00440	BICARBONATE ION (MG/L AS HCO3)	05/03/61-06/24/82	13	9.	8.615	15.	0.	19.756	4.445	1.6	5.5	12.5	14.2
00445	CARBONATE ION (MG/L AS CO3)	05/03/61-12/10/81	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	1	0.79	0.79	0.79	0.79	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/24/81-08/18/82	7	0.01	0.023	0.06	0.005	0.	0.021	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/24/81-08/18/82	7 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/11/80-07/11/80	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/80-08/18/82	9	0.7	0.622	1.	0.2	0.064	0.254	0.2	0.4	0.8	1.
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/24/81-02/24/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/80-07/11/80	2	0.005	0.005	0.01	0.	0.	0.007	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/81-08/18/82	7 ##	0.005	0.009	0.03	0.005	0.	0.009	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/61-03/14/83	35	21.	19.914	27.	4.	29.963	5.474	10.4	18.	24.	25.4
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/03/61-03/14/83	33	11.	10.364	16.	0.	16.426	4.053	5.	8.	13.5	15.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/03/61-03/14/83	36	4.95	4.747	6.6	0.	1.981	1.408	3.61	4.4	5.575	6.09
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/03/61-03/14/83	33	2.1	2.106	2.7	1.3	0.087	0.295	1.8	1.9	2.35	2.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/03/61-03/14/83	31	2.5	2.442	3.9	0.7	0.371	0.609	1.84	2.1	2.9	3.18
00931	SODIUM ADSORPTION RATIO	05/03/61-03/14/83	30	0.2	0.233	0.3	0.1	0.003	0.055	0.2	0.2	0.3	0.3
00932	SODIUM, PERCENT	05/03/61-10/16/80	3	21.	17.333	21.	10.	40.333	6.351	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/03/61-10/16/80	3	1.	0.9	1.	0.7	0.03	0.173	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/61-03/14/83	36	2.	2.528	6.	1.	1.513	1.23	2.	2.	3.	4.6
00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/61-03/14/83	33	14.	14.242	18.	9.	5.002	2.236	11.	13.	16.	17.

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Parameter Inventory for Station: GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	05/03/61-10/16/80	3	0.	0.033	0.1	0.	0.003	0.058	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/61-08/18/82	12	3.55	3.367	3.9	2.2	0.233	0.483	2.38	3.075	3.7	3.84
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/25/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/18/82	9	40.	37.778	40.	30.	11.444	3.383	30.	36.	40.	40.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/18/82	9 ##	0.5	0.439	0.5	0.25	0.009	0.096	0.25	0.35	0.5	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/18/82	9 ##	0.5	0.889	2.	0.5	0.424	0.651	0.5	0.5	1.5	2.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/18/82	9 ##	1.5	1.667	3.	1.5	0.25	0.5	1.5	1.5	1.5	3.
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/25/81	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/18/82	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/25/81	2	7.	7.	10.	4.	18.	4.243	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-03/14/83	27	360.	927.778	7900.	40.	2689564.103	1639.989	80.	210.	740.	2440.
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-03/14/83	31	420.	990.968	7900.	70.	2407962.366	1551.761	174.	280.	1200.	2160.
01046	IRON, DISSOLVED (UG/L AS FE)	05/03/61-03/14/83	32	55.	58.344	170.	10.	857.588	29.285	26.5	41.	70.	90.
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/18/82	9 ##	5.	12.444	51.	5.	234.778	15.322	5.	5.	15.5	51.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/25/81	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/25/81	2	645.	645.	760.	530.	26450.	162.635	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-03/14/83	31	30.	45.355	410.	0.	5588.903	74.759	1.2	10.	40.	104.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/61-03/14/83	32	50.	79.375	480.	20.	10186.694	100.929	30.	30.	67.5	150.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-03/14/83	31	20.	22.871	72.	0.	317.049	17.806	5.	9.	30.	51.2
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/18/82	9 ##	5.	5.778	12.	5.	5.444	2.333	5.	5.	5.	12.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/18/82	9	38.	38.333	52.	27.	54.	7.348	27.	34.5	43.	52.
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/18/82	9 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/18/82	9	5.	9.	22.	2.	53.	7.28	2.	3.	16.	22.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/25/81	2	40.5	40.5	50.	31.	180.5	13.435	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/18/82	9 ##	2.	2.333	5.	2.	1.	1.	2.	2.	2.	5.
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/25/81	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/25/81	2	8350.	8350.	13000.	3700.	43245000.	6576.093	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	7	67.	82.429	250.	27.	5959.619	77.199	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	7	1.826	1.798	2.398	1.431	0.105	0.323	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			62.776								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	7	30.	46.857	170.	6.	3181.143	56.402	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	7	1.477	1.459	2.23	0.778	0.208	0.456	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			28.763								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/03/61-03/14/83	30	44.	47.867	210.	6.	1047.43	32.364	25.8	38.	50.	54.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/03/61-08/18/82	9	37.	35.444	41.	24.	30.278	5.503	24.	31.5	39.5	41.
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/18/82	26	230.	317.215	1770.	3.18	138685.379	372.405	79.3	114.75	339.25	854.8
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/03/61-08/18/82	29	0.06	0.058	0.08	0.01	0.	0.015	0.03	0.05	0.07	0.07
71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-03/14/83	30 ##	0.05	0.042	0.1	0.	0.001	0.035	0.	0.	0.05	0.1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	02/24/81-08/18/82	7	0.01	0.03	0.08	0.01	0.001	0.028	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	05/03/61-10/27/66	2	1.25	1.25	1.6	0.9	0.245	0.495	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/25/81	2 ##	0.003	0.003	0.005	0.	0.	0.004	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/23/81-03/14/83	6	6.5	6.	10.	2.	12.4	3.521	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/23/81-07/23/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	1	18.	18.	18.	18.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	33	0	0.00	18	0	0.00	15	0	0.00						
00400	PH	Other-Hi Lim.	9.	77	0	0.00	36	0	0.00	41	0	0.00						
		Other-Lo Lim.	6.5	77	26	0.34	36	17	0.47	41	9	0.22						
00403	PH, LAB	Other-Hi Lim.	9.	10	0	0.00	5	0	0.00	5	0	0.00						
		Other-Lo Lim.	6.5	10	0	0.00	5	0	0.00	5	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	7	0	0.00	3	0	0.00	4	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	9	0	0.00	4	0	0.00	5	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	36	0	0.00	15	0	0.00	21	0	0.00						
		Drinking Water	250.	36	0	0.00	15	0	0.00	21	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	33	0	0.00	14	0	0.00	19	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	9	0	0.00	4	0	0.00	5	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	4.	9	0	0.00	4	0	0.00	5	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	5.	9	0	0.00	4	0	0.00	5	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	1300.	9	0	0.00	4	0	0.00	5	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	15.	9	2	0.22	4	0	0.00	5	2	0.40						
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	4	0	0.00	5	0	0.00						
		Drinking Water	5000.	9	0	0.00	4	0	0.00	5	0	0.00						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	7	1	0.14	3	1	0.33	4	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Annual Analysis for 1945 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	20.5	19.1	24.5	8.5	40.8	6.387	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	1700.	1647.	3120.	295.	1565695.	1251.277	**	**	**	**

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

Annual Analysis for 1946 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	4	25.5	21.25	28.5	5.5	116.417	10.79	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	4	273.	357.75	848.	37.	124717.583	353.154	**	**	**	**

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

Annual Analysis for 1947 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	6	24.	20.833	28.5	5.5	67.967	8.244	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	6	1257.5	3088.167	13600.	121.	27029026.967	5198.945	**	**	**	**

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

Annual Analysis for 1948 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	4	22.75	21.5	26.	14.5	29.167	5.401	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	4	848.5	1077.75	2120.	494.	546448.25	739.221	**	**	**	**

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

Annual Analysis for 1949 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	15.5	15.9	24.	9.	40.925	6.397	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	3200.	3622.	6920.	1810.	3737320.	1933.215	**	**	**	**

** - 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 1950 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	6	7.75	9.417	21.	3.5	42.342	6.507	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	6	4845.	5861.667	13200.	3070.	13530856.667	3678.431	**	**	**	**

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

Annual Analysis for 1951 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	10	18.75	16.45	29.	3.	87.192	9.338	3.1	5.875	24.625	28.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	10	1376.	2350.3	10700.	75.	10215234.9	3196.128	86.4	282.	3207.5	9965.

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

Annual Analysis for 1952 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	5.	10.4	29.	3.	116.175	10.778	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	2320.	2035.4	4320.	221.	2590847.8	1609.611	**	**	**	**

** - 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 1954 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	2	26.75	26.75	28.	25.5	3.125	1.768	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	2	398.	398.	558.	238.	51200.	226.274	**	**	**	**

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

Annual Analysis for 1955 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	3	20.5	18.	25.	8.5	72.75	8.529	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	3	112.	125.667	226.	39.	8882.333	94.246	**	**	**	**

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

Annual Analysis for 1956 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	1	6220.	6220.	6220.	6220.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	4	21.5	18.875	24.5	8.	60.563	7.782	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	4	299.5	341.75	663.	105.	65978.25	256.862	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	2	26.	26.	28.	24.	8.	2.828	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	2	120.5	120.5	216.	25.	18240.5	135.057	**	**	**	**

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

Annual Analysis for 1960 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	1	194.	194.	194.	194.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	3	25.5	24.833	27.	22.	6.583	2.566	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	3	304.	406.333	626.	289.	36246.333	190.385	**	**	**	**

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

Annual Analysis for 1962 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	3	24.5	21.333	24.5	15.	30.083	5.485	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	3	200.	230.333	426.	65.	33270.333	182.402	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	20.	18.5	24.	5.5	58.	7.616	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	509.	831.4	2550.	104.	966515.8	983.115	**	**	**	**

** - 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

Annual Analysis for 1965 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	24.5	18.2	26.5	5.	95.45	9.77	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	66.	114.2	342.	20.	16775.2	129.519	**	**	**	**

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

Annual Analysis for 1966 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	17.	15.	24.	1.	86.5	9.301	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	4	403.	403.75	757.	52.	84854.917	291.299	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	1	65.	65.	65.	65.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	2	22.25	22.25	24.	20.5	6.125	2.475	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	2	526.5	526.5	639.	414.	25312.5	159.099	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	1	70.	70.	70.	70.	0.	0.	**	**	**	**

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

Annual Analysis for 1968 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	2	13.5	13.5	20.5	6.5	98.	9.899	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	2	2328.5	2328.5	3740.	917.	3984664.5	1996.162	**	**	**	**

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

Annual Analysis for 1969 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	3	9.	10.	19.	2.	73.	8.544	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	3	1300.	1283.333	1390.	1160.	13433.333	115.902	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	1	80.	80.	80.	80.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	6	20.	18.	25.	4.	63.2	7.95	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	6	861.5	1058.667	3060.	118.	1083100.667	1040.721	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	5	70.	73.	92.	58.	177.	13.304	**	**	**	**

** - 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 1971 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	8	16.	14.813	22.	2.5	50.138	7.081	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	1630.	2228.	4350.	450.	2727520.	1651.521	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	4	62.5	63.5	75.	54.	79.	8.888	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	12.	11.6	21.	3.	43.925	6.628	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	5380.	5062.	8150.	2210.	7694170.	2773.837	**	**	**	**

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Annual Analysis for 1973 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	3	9.5	7.833	14.	0.	51.083	7.147	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	3	1710.	2440.	4660.	950.	3840700.	1959.77	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	1	55.	55.	55.	55.	0.	0.	**	**	**	**

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Annual Analysis for 1974 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	3	5.	5.667	7.	5.	1.333	1.155	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	3	5290.	7990.	14200.	4480.	29087100.	5393.246	**	**	**	**

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

Annual Analysis for 1975 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	4	9.5	11.5	23.	4.	67.	8.185	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	4	1355.	1555.75	3170.	343.	1389472.25	1178.759	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	4	62.5	63.75	70.	60.	22.917	4.787	**	**	**	**

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

Annual Analysis for 1976 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	14.5	12.5	19.	3.	46.75	6.837	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	2820.	2256.6	3370.	383.	1442817.8	1201.174	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	4	65.	70.	90.	60.	200.	14.142	**	**	**	**

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

Annual Analysis for 1977 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	13.5	12.6	22.	0.	79.175	8.898	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	698.	2219.4	5250.	471.	5322456.8	2307.045	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	3	80.	70.	80.	50.	300.	17.321	**	**	**	**

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Annual Analysis for 1978 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	7	15.5	14.929	24.5	1.5	66.202	8.136	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	7	721.	1642.571	6320.	394.	4511706.619	2124.078	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	5	90.	91.	105.	70.	180.	13.416	**	**	**	**

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Annual Analysis for 1979 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	11	15.	13.591	22.	2.	44.791	6.693	2.3	8.	19.	21.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	11	2480.	2990.273	8710.	943.	4370570.818	2090.591	1072.4	1800.	3570.	7772.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	11	68.	66.727	85.	34.	174.618	13.214	39.2	62.	75.	84.

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Annual Analysis for 1980 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	11	16.5	14.364	24.5	0.5	61.105	7.817	1.4	7.	20.	24.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	12	2060.	5418.167	17400.	961.	34685857.242	5889.47	968.8	1180.	9965.	16650.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	11	65.	63.909	80.	27.	197.491	14.053	32.6	61.	72.	79.

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Annual Analysis for 1981 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	12	11.25	12.167	26.	0.5	74.424	8.627	1.25	3.625	19.75	25.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	12	2485.	3680.417	16800.	28.	22022676.629	4692.832	182.2	631.75	4187.5	14157.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	12	70.5	69.	88.	56.	115.636	10.753	56.	58.75	75.5	86.8

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Annual Analysis for 1982 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	9	15.	15.167	26.	1.5	81.875	9.048	1.5	6.5	24.	26.
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	9	970.	1445.333	3430.	314.	1361364.75	1166.775	314.	542.5	2575.	3430.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	9	78.	78.778	102.	65.	144.444	12.019	65.	69.	87.	102.

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Annual Analysis for 1983 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	7	11.5	13.429	24.	5.	57.119	7.558	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	7	1900.	2883.	7630.	382.	6540873.667	2557.513	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	7	66.	65.	78.	53.	108.	10.392	**	**	**	**

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

Annual Analysis for 1984 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	6	14.75	13.667	22.	1.5	67.367	8.208	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	6	1215.	1852.	4130.	224.	2968099.2	1722.817	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	6	72.5	71.667	80.	61.	59.067	7.685	**	**	**	**

** - 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

Annual Analysis for 1985 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	5	19.	14.9	26.5	3.5	98.925	9.946	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	5	1620.	5331.2	20700.	173.	75389252.7	8682.698	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	1	60.	60.	60.	60.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more 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: 10/01 to 4/14 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	84	6.75	7.827	20.5	0.	26.889	5.185	1.75	4.	10.875	15.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/13/45-08/14/85	63	-3.5	10.222	24.5	-5.	57.49	7.582	2.	6.	18.	20.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	83	2940.	3532.193	20700.	28.	15269997.475	3907.684	150.2	848.	4130.	8486.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	41	69.	68.024	102.	27.	151.924	12.326	54.4	60.	75.	80.
00300	OXYGEN, DISSOLVED MG/L	05/23/73-03/14/83	18	11.55	11.594	14.	9.	2.126	1.458	9.18	10.775	12.875	14.
00400p	PH (STANDARD UNITS)	05/03/61-01/09/85	36	6.65	6.644	7.6	5.5	0.204	0.452	6.17	6.3	6.9	7.3
00400p	CONVERTED PH (STANDARD UNITS)	05/03/61-01/09/85	36	6.647	6.411	7.6	5.5	0.26	0.51	6.17	6.3	6.9	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/61-01/09/85	36	0.225	0.388	3.162	0.025	0.296	0.544	0.05	0.126	0.501	0.68
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/61-03/14/83	14	9.	8.357	10.	3.	3.632	1.906	4.5	8.	10.	10.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/61-03/14/83	15	20.	19.533	24.	4.	23.267	4.824	11.8	18.	22.	24.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/03/61-03/14/83	14	12.	11.714	16.	5.	7.758	2.785	7.	10.	13.25	15.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/03/61-03/14/83	15	4.8	4.52	5.8	0.	1.825	1.351	2.46	4.2	5.3	5.62
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/03/61-03/14/83	14	2.15	2.079	2.6	1.6	0.073	0.269	1.7	1.8	2.2	2.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/03/61-03/14/83	14	2.55	2.543	3.9	1.5	0.401	0.633	1.65	2.1	3.1	3.55
00931	SODIUM ADSORPTION RATIO	05/03/61-03/14/83	14	0.25	0.25	0.3	0.2	0.003	0.052	0.2	0.2	0.3	0.3
00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/61-03/14/83	15	2.	2.733	6.	2.	1.21	1.1	2.	2.	3.	4.8
00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/61-03/14/83	14	14.	14.214	18.	10.	5.258	2.293	10.5	12.75	16.25	17.5
01046	IRON, DISSOLVED (UG/L AS FE)	05/03/61-03/14/83	13	55.	47.769	80.	10.	498.359	22.324	14.	27.5	63.5	78.8
01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/61-03/14/83	13	50.	62.308	150.	30.	1502.564	38.763	30.	40.	65.	146.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/03/61-03/14/83	12	42.	55.	210.	24.	2431.091	49.306	27.6	38.	48.	162.3
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/03/61-08/18/82	11	0.06	0.057	0.07	0.03	0.	0.012	0.034	0.05	0.07	0.07

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

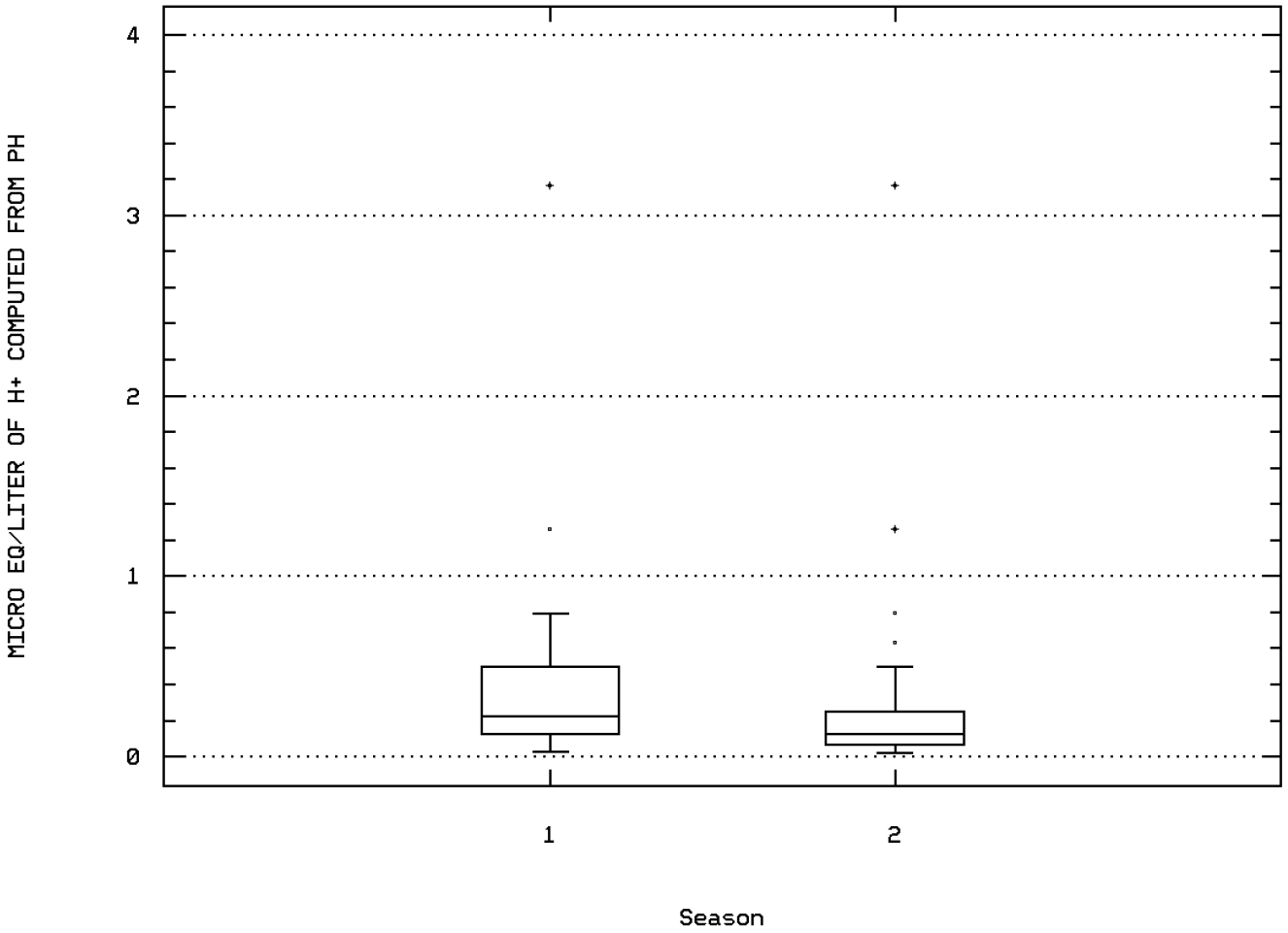
Seasonal Analysis for Season #2: 4/15 to 9/30 - Station GARI0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/13/45-08/14/85	109	22.	21.101	29.	8.5	21.305	4.616	14.	19.	24.5	26.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/13/45-08/14/85	67	26.	25.716	36.	10.	23.509	4.849	19.7	22.5	29.	31.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/45-08/14/85	107	698.	1687.178	17400.	20.	6933550.846	2633.164	180.2	364.	1810.	4352.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/27/66-01/09/85	45	70.	71.533	105.	34.	184.8	13.594	55.6	61.5	80.	90.8
00300	OXYGEN, DISSOLVED MG/L	05/23/73-03/14/83	15	8.9	9.04	11.	7.4	1.583	1.258	7.4	7.8	10.1	10.88
00400p	PH (STANDARD UNITS)	05/03/61-01/09/85	41	6.9	6.868	7.7	5.5	0.233	0.483	6.22	6.6	7.25	7.48
00400p	CONVERTED PH (STANDARD UNITS)	05/03/61-01/09/85	41	6.9	6.557	7.7	5.5	0.332	0.577	6.22	6.6	7.25	7.48
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/61-01/09/85	41	0.126	0.277	3.162	0.02	0.27	0.519	0.033	0.057	0.251	0.605
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/03/61-03/14/83	21	11.	11.286	22.	4.	19.914	4.463	5.	8.	14.	17.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/03/61-03/14/83	20	22.	20.2	27.	4.	36.274	6.023	8.4	18.25	24.	26.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/03/61-03/14/83	19	10.	9.368	16.	0.	21.135	4.597	0.	6.	14.	15.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/03/61-03/14/83	21	5.3	4.91	6.6	0.	2.124	1.457	2.96	4.4	5.75	6.3
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/03/61-03/14/83	19	2.1	2.126	2.7	1.3	0.101	0.318	1.8	1.9	2.4	2.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/03/61-03/14/83	17	2.3	2.359	3.3	0.7	0.354	0.595	1.74	2.05	2.8	3.14
00931	SODIUM ADSORPTION RATIO	05/03/61-03/14/83	16	0.2	0.219	0.3	0.1	0.003	0.054	0.17	0.2	0.275	0.3
00940	CHLORIDE,TOTAL IN WATER MG/L	05/03/61-03/14/83	21	2.	2.381	6.	1.	1.748	1.322	1.2	2.	2.	5.6
00945	SULFATE, TOTAL (MG/L AS SO4)	05/03/61-03/14/83	19	14.	14.263	18.	9.	5.094	2.257	11.	13.	16.	17.
01046	IRON, DISSOLVED (UG/L AS FE)	05/03/61-03/14/83	19	55.	65.579	170.	30.	1008.702	31.76	35.	50.	80.	100.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/61-03/14/83	19	50.	91.053	480.	20.	16187.719	127.231	20.	30.	80.	400.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/03/61-03/14/83	18	46.	43.111	58.	6.	153.869	12.404	23.1	39.25	50.75	54.4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/03/61-08/18/82	18	0.06	0.058	0.08	0.01	0.	0.017	0.028	0.05	0.07	0.071

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

Station: GARI0076 Parameter Code: 00400

MICRO EQ/LITER OF H+ COMPUTED FROM PH



GAULEY RIVER ABOVE BELVA, WV

Station Inventory for Station: GARI0077

NPS Station ID: GARI0077
LAT/LON: 38.240559/ -81.183337
Agency: 112WRD
Date Created: 11/07/81
Location: R68.0 TWENTYMILE CR ABOVE BELVA WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381426081110001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 0.30
On/Off RF1:
RF3 Index: 05050005004202.63
RF3 Mile Point: 3.07
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/81-03/14/83	5	13.	15.8	27.5	8.	74.325	8.621	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/23/81-03/14/83	5	63.	409.2	1780.	3.	593301.2	770.26	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/81-03/14/83	5	92.	91.6	130.	60.	722.8	26.885	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/25/81-03/14/83	4	10.2	9.925	10.6	8.7	0.729	0.854	**	**	**	**
00400	PH (STANDARD UNITS)	07/23/81-03/14/83	5	6.9	7.36	8.7	6.5	0.898	0.948	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/23/81-03/14/83	5	6.9	6.884	8.7	6.5	1.182	1.087	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/81-03/14/83	5	0.126	0.131	0.316	0.002	0.018	0.133	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/81-03/14/83	5	7.4	6.94	7.6	5.9	0.558	0.747	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/81-03/14/83	5	7.4	6.453	7.6	5.9	0.854	0.924	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/81-03/14/83	5	0.04	0.352	1.259	0.025	0.282	0.531	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	5	15.	12.8	22.	4.	63.7	7.981	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/81-08/25/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/25/81-04/20/82	2 ##	0.033	0.033	0.06	0.005	0.002	0.039	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-04/20/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/25/81-04/20/82	2	0.215	0.215	0.4	0.03	0.068	0.262	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/81-04/20/82	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/81-04/20/82	4	27.5	30.	41.	24.	56.667	7.528	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/25/81-04/20/82	3	19.	16.333	20.	10.	30.333	5.508	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/81-03/14/83	5	5.4	5.24	7.8	3.1	3.193	1.787	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/81-03/14/83	5	3.3	3.52	5.3	2.4	1.142	1.069	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/81-03/14/83	5	4.3	3.48	6.1	1.2	4.632	2.152	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/23/81-04/20/82	4	0.35	0.35	0.6	0.1	0.043	0.208	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/81-03/14/83	5	3.	3.4	6.	2.	2.8	1.673	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/81-03/14/83	5	18.	20.2	31.	16.	37.7	6.14	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/25/81-04/20/82	3	4.2	3.8	5.4	1.8	3.36	1.833	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/25/81-04/20/82	3	50.	44.	53.	29.	171.	13.077	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/25/81-04/20/82	3 ##	0.25	0.333	0.5	0.25	0.021	0.144	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/25/81-04/20/82	3 ##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/25/81-04/20/82	3 ##	1.5	2.	3.	1.5	0.75	0.866	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/25/81-04/20/82	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/25/81-08/25/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/23/81-03/14/83	5	190.	784.	3000.	60.	1568730.	1252.49	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/23/81-03/14/83	5	260.	816.	3000.	80.	1522680.	1233.969	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/23/81-03/14/83	5	25.	36.	68.	15.	494.5	22.237	**	**	**	**

** - Less than 9 observations ## - 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: GARI0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	08/25/81-04/20/82	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/25/81-08/25/81	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/25/81-03/14/83	4	25.	50.25	150.	1.	4566.917	67.579	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/81-03/14/83	5	30.	56.	190.	10.	5780.	76.026	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/81-03/14/83	5	9.	14.8	36.	5.	153.2	12.377	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/25/81-04/20/82	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/25/81-04/20/82	3	43.	43.	52.	34.	81.	9.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/25/81-04/20/82	3 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/25/81-04/20/82	3	11.	13.333	19.	10.	24.333	4.933	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/25/81-08/25/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/25/81-04/20/82	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/25/81-08/25/81	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	04/20/82-04/20/82	1	560.	560.	560.	560.	0.	0.	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	04/20/82-04/20/82	1	2.748	2.748	2.748	2.748	0.	0.	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			560.								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/20/82-04/20/82	1	120.	120.	120.	120.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	04/20/82-04/20/82	1	2.079	2.079	2.079	2.079	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			120.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/81-03/14/83	4	57.	56.5	76.	36.	283.667	16.842	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/25/81-04/20/82	3	51.	51.	66.	36.	225.	15.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/23/81-04/20/82	4	6.765	46.74	173.	0.43	7119.16	84.375	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/81-04/20/82	4	0.07	0.073	0.1	0.05	0.	0.021	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/25/81-04/20/82	3 ##	0.05	0.033	0.05	0.	0.001	0.029	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/25/81-04/20/82	2	0.045	0.045	0.08	0.01	0.002	0.049	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/25/81-08/25/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/14/83-03/14/83	1	52.	52.	52.	52.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00	2	0	0.00	2	0	0.00						
00400	PH	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	5	1	0.20	2	1	0.50	3	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00	3	0	0.00						
		Other-Lo Lim.	6.5	5	2	0.40	2	2	1.00	3	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	2	0	0.00				2	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00	3	0	0.00						
		Drinking Water	250.	5	0	0.00	2	0	0.00	3	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	5	0	0.00	2	0	0.00	3	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	3	0	0.00	1	0	0.00	2	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	4.	3	0	0.00	1	0	0.00	2	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	5.	3	0	0.00	1	0	0.00	2	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	15.	3	0	0.00	1	0	0.00	2	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	5000.	3	0	0.00	1	0	0.00	2	0	0.00						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						

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

Station Inventory for Station: GARI0078

NPS Station ID: GARI0078 LAT/LON: 38.236948/ -81.185837 Agency: 112WRD Date Created: 06/16/79
Location: R26.0TWENTYMILE CR @ HWY 16/3 BR @ BELVA WV FIPS State/County: 54019 WEST VIRGINIA/FAYETTE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 381413081110939
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 05050005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 05050005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 05050005011200.00 RF3 Mile Point: 3.16 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GARI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-09/19/83	21	15.	14.352	35.5	0.5	92.267	9.606	0.76	5.95	23.5	24.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-09/19/83	18	84.5	174.389	1020.	2.	71043.899	266.541	3.8	12.5	195.	678.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/16/80-10/16/80	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-09/19/83	21	112.	136.19	319.	64.	4352.062	65.97	73.2	94.5	174.	241.6
00300	OXYGEN, DISSOLVED MG/L	10/16/80-03/14/83	14	10.2	10.107	14.4	5.2	5.69	2.385	6.3	8.6	11.35	13.95
00400	PH (STANDARD UNITS)	05/24/79-09/19/83	21	6.9	6.952	8.3	6.	0.344	0.586	6.12	6.7	7.15	8.14
00400	CONVERTED PH (STANDARD UNITS)	05/24/79-09/19/83	21	6.9	6.665	8.3	6.	0.431	0.656	6.12	6.7	7.15	8.14
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/24/79-09/19/83	21	0.126	0.217	1.	0.005	0.069	0.263	0.01	0.071	0.2	0.762
00403	PH, LAB, STANDARD UNITS SU	10/16/80-03/14/83	9	6.9	7.056	7.7	6.7	0.118	0.343	6.7	6.8	7.35	7.7
00403	CONVERTED PH, LAB, STANDARD UNITS	10/16/80-03/14/83	9	6.9	6.959	7.7	6.7	0.128	0.358	6.7	6.8	7.35	7.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/16/80-03/14/83	9	0.126	0.11	0.2	0.02	0.004	0.064	0.02	0.045	0.158	0.2
00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-01/19/82	9	4.2	7.611	34.	2.2	100.714	10.036	2.2	2.9	6.65	34.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-03/14/83	20	13.	21.15	146.	3.	952.661	30.865	6.	7.	24.75	38.1
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/18/82	15	2.5	2.167	5.	0.	5.238	2.289	0.	0.	5.	5.
00440	BICARBONATE ION (MG/L AS HCO3)	10/16/80-01/19/82	8	9.	14.125	33.	4.	112.411	10.602	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/16/80-01/19/82	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/24/81-08/18/82	6	0.045	0.073	0.29	0.005	0.012	0.108	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/24/81-08/18/82	6 ##	0.005	0.008	0.02	0.005	0.	0.006	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/18/82-08/18/82	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/24/81-08/18/82	6	0.75	0.8	1.4	0.4	0.132	0.363	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/24/81-08/18/82	6 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/79-03/14/83	20	35.	41.15	73.	21.	272.871	16.519	23.4	28.75	48.5	72.6
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/24/79-03/14/83	19	22.	23.263	46.	0.	111.316	10.551	5.	19.	30.	39.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/79-03/14/83	20	6.95	8.225	15.	4.2	11.76	3.429	4.73	5.925	9.775	14.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/79-03/14/83	20	4.5	5.015	8.7	0.2	4.418	2.102	3.16	3.725	5.9	8.65
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-03/14/83	19	2.9	4.716	12.	1.3	10.051	3.17	2.2	2.6	7.	11.
00931	SODIUM ADSORPTION RATIO	09/10/79-03/14/83	19	0.2	0.311	0.7	0.1	0.028	0.166	0.2	0.2	0.4	0.6
00932	SODIUM, PERCENT	10/16/80-10/16/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/16/80-10/16/80	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/24/79-03/14/83	20	3.5	4.2	11.	2.	5.747	2.397	2.	2.25	5.	8.7
00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-03/14/83	20	27.	29.15	49.	17.	65.608	8.1	21.1	23.25	35.5	41.7
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/16/80-10/16/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/18/82	9	5.9	5.5	7.	3.1	1.32	1.149	3.1	4.8	6.25	7.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/25/81	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/18/82	8	50.	56.25	80.	41.	164.214	12.815	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/18/82	8 ##	0.5	0.463	0.5	0.35	0.005	0.069	**	**	**	**

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

Parameter Inventory for Station: GARI0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/18/82	8 ##	0.5	0.938	2.	0.5	0.46	0.678	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/18/82	8 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/25/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/18/82	8 ##	5.	6.5	17.	5.	18.	4.243	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/10/79-08/25/81	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-03/14/83	18	265.	577.778	2000.	30.	366794.771	605.636	111.	157.5	782.5	1910.
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-03/14/83	20	300.	568.	2000.	50.	337543.158	580.985	133.	180.	720.	1850.
01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-03/14/83	20	31.	31.75	60.	5.	267.461	16.354	10.1	18.5	42.	59.4
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/18/82	8 ##	5.	10.	45.	5.	200.	14.142	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/25/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/25/81	2	180.	180.	250.	110.	9800.	98.995	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-03/14/83	19	10.	16.632	60.	0.	270.579	16.449	0.	1.	20.	40.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-03/14/83	20	45.	51.	140.	10.	967.368	31.103	20.	30.	60.	100.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-03/14/83	20	29.5	33.9	98.	10.	409.674	20.24	14.1	20.	41.5	60.8
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/18/82	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/18/82	8	61.	74.	130.	34.	1253.429	35.404	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/18/82	8 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/18/82	8	10.5	23.375	100.	5.	1023.982	32.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/25/81	2	19.	19.	30.	8.	242.	15.556	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/18/82	8 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/25/81	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/25/81	2	4135.	4135.	7900.	370.	28350450.	5324.514	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	6	502.5	650.833	1800.	87.	366675.767	605.538	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	02/24/81-08/18/82	6	2.698	2.651	3.255	1.94	0.194	0.44	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			447.301								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	6	236.5	235.5	400.	90.	15089.5	122.839	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	02/24/81-08/18/82	6	2.373	2.312	2.602	1.954	0.069	0.262	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			205.33								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/24/79-03/14/83	19	68.	79.579	143.	43.	824.035	28.706	51.	62.	92.	138.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/16/80-08/18/82	7	77.	78.429	116.	40.	931.619	30.522	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/18/82	16	13.85	28.531	185.	1.11	2102.06	45.848	1.95	5.418	26.1	107.58
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/24/79-08/18/82	19	0.09	0.111	0.19	0.06	0.002	0.04	0.07	0.08	0.14	0.19
71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-08/18/82	18 ##	0.05	0.042	0.1	0.	0.001	0.031	0.	0.	0.05	0.1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	02/24/81-08/18/82	6	0.055	0.093	0.37	0.01	0.019	0.138	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/18/82-08/18/82	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/18/82-08/18/82	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/25/81	2 ##	0.003	0.003	0.005	0.	0.	0.004	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/14/83	2	136.5	136.5	244.	29.	23112.5	152.028	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/19/80-08/19/80	1	672.	672.	672.	672.	0.	0.	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	1	7.	7.	7.	7.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: GARI0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	1	1.00				1	1	1.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	0	0.00	8	0	0.00	6	0	0.00						
00400	PH	Other-Hi Lim.	9.	21	0	0.00	10	0	0.00	11	0	0.00						
		Other-Lo Lim.	6.5	21	3	0.14	10	3	0.30	11	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	9	0	0.00	5	0	0.00	4	0	0.00						
		Other-Lo Lim.	6.5	9	0	0.00	5	0	0.00	4	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	6	0	0.00	3	0	0.00	3	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	6	0	0.00	3	0	0.00	3	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	20	0	0.00	10	0	0.00	10	0	0.00						
		Drinking Water	250.	20	0	0.00	10	0	0.00	10	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	20	0	0.00	10	0	0.00	10	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	8	0	0.00	4	0	0.00	4	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	4.	8	0	0.00	4	0	0.00	4	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	5.	8	0	0.00	4	0	0.00	4	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	1300.	8	0	0.00	4	0	0.00	4	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	15.	8	1	0.13	4	0	0.00	4	1	0.25						
01090	ZINC, DISSOLVED	Fresh Acute	120.	8	0	0.00	4	0	0.00	4	0	0.00						
		Drinking Water	5000.	8	0	0.00	4	0	0.00	4	0	0.00						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	6	5	0.83	3	2	0.67	3	3	1.00						
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 criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GARI0079

NPS Station ID: GARI0079
LAT/LON: 38.219448/ -81.190837
Agency: 112WRD
Date Created: 11/07/81
Location: R69.0 GAULEY R BLW BELVA WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381310081112701
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 1.50
On/Off RF1:
RF3 Index: 05050005003803.12
RF3 Mile Point: 5.49
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/81-03/14/83	3	20.	17.5	26.5	6.	109.75	10.476	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/23/81-03/14/83	3	1150.	2091.667	4500.	625.	4418958.333	2102.132	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/81-03/14/83	3	82.	77.	87.	62.	175.	13.229	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/14/83-03/14/83	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/23/81-03/14/83	3	7.7	7.6	7.7	7.4	0.03	0.173	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/23/81-03/14/83	3	7.7	7.576	7.7	7.4	0.031	0.176	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/81-03/14/83	3	0.02	0.027	0.04	0.02	0.	0.011	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/81-03/14/83	3	7.1	7.033	7.3	6.7	0.093	0.306	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/81-03/14/83	3	7.1	6.96	7.3	6.7	0.101	0.318	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/81-03/14/83	3	0.079	0.11	0.2	0.05	0.006	0.079	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	2	11.5	11.5	14.	9.	12.5	3.536	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	08/25/81-08/25/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/25/81-08/25/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/81-08/25/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/81-03/14/83	3	24.	23.	25.	20.	7.	2.646	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/14/83-03/14/83	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/23/81-03/14/83	3	5.6	5.633	6.8	4.5	1.323	1.15	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/23/81-03/14/83	3	2.1	2.133	2.3	2.	0.023	0.153	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/23/81-03/14/83	3	2.8	2.833	3.4	2.3	0.303	0.551	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/23/81-03/14/83	3	0.3	0.267	0.3	0.2	0.003	0.058	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/81-03/14/83	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/81-03/14/83	3	15.	16.	18.	15.	3.	1.732	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/25/81-08/25/81	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/25/81-08/25/81	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/25/81-08/25/81	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/25/81-08/25/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/23/81-03/14/83	3	280.	263.333	320.	190.	4433.333	66.583	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/23/81-03/14/83	3	330.	316.667	390.	230.	6533.333	80.829	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/23/81-03/14/83	3	51.	54.667	73.	40.	282.333	16.803	**	**	**	**

** - Less than 9 observations ## - 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: GARI0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049	LEAD, DISSOLVED (UG/L AS PB)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/25/81-08/25/81	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	08/25/81-03/14/83	2	18.5	18.5	30.	7.	264.5	16.263	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/23/81-03/14/83	3	20.	26.667	50.	10.	433.333	20.817	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/81-03/14/83	3	13.	14.333	25.	5.	101.333	10.066	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/25/81-08/25/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/25/81-08/25/81	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/25/81-08/25/81	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/25/81-08/25/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/25/81-08/25/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/25/81-08/25/81	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/25/81-08/25/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/25/81-08/25/81	1	620.	620.	620.	620.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/81-03/14/83	2	56.	56.	57.	55.	2.	1.414	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/23/81-07/23/81	1	92.8	92.8	92.8	92.8	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/23/81-08/25/81	2	0.06	0.06	0.07	0.05	0.	0.014	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	08/25/81-08/25/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/25/81-08/25/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/25/81-08/25/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	07/23/81-03/14/83	2	6.	6.	9.	3.	18.	4.243	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/23/81-07/23/81	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GARI0079

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	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.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: GARI0080

NPS Station ID: GARI0080
LAT/LON: 38.249170/ -81.192782
Agency: 112WRD
Date Created: 06/16/79
Location: R25.0BELLS CR @ HWY 16 BR @ DIXIE WV
FIPS State/County: 54067 WEST VIRGINIA/NICHOLAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 381457081113439
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 05050005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 05050005
RF1 Mile Point: 0.000
Distance from RF1: 3.40
On/Off RF1:
RF3 Index: 05050005000105.17
RF3 Mile Point: 6.74
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: GARI0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/24/79-09/19/83	8	17.5	17.	28.5	8.	44.429	6.665	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/24/79-09/19/83	7	11.	38.5	129.	0.6	2638.903	51.37	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/19/80-08/19/80	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/24/79-09/19/83	8	164.	265.125	667.	52.	45950.125	214.36	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/25/81-03/14/83	2	9.35	9.35	10.	8.7	0.845	0.919	**	**	**	**
00400	PH (STANDARD UNITS)	05/24/79-09/19/83	8	7.25	7.388	8.4	6.4	0.461	0.679	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/24/79-09/19/83	8	7.225	7.015	8.4	6.4	0.62	0.787	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/24/79-09/19/83	8	0.06	0.097	0.398	0.004	0.017	0.13	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/81-03/14/83	3	7.3	7.4	8.	6.9	0.31	0.557	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/81-03/14/83	3	7.3	7.208	8.	6.9	0.366	0.605	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/81-03/14/83	3	0.05	0.062	0.126	0.01	0.003	0.059	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/10/79-09/10/79	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/24/79-03/14/83	7	24.	27.286	65.	9.	374.571	19.354	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	05/24/79-08/25/81	5	0.	1.5	5.	0.	5.	2.236	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/25/81-08/25/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/25/81-08/25/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/25/81-08/25/81	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/19/80-08/19/80	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/24/79-03/14/83	7	63.	80.714	160.	39.	2731.905	52.268	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/24/79-03/14/83	6	36.	41.667	84.	22.	484.667	22.015	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/24/79-03/14/83	7	12.	15.757	31.	7.4	107.36	10.361	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/24/79-03/14/83	7	8.	9.857	19.	4.6	37.276	6.105	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/10/79-03/14/83	6	4.15	6.967	21.	2.4	50.667	7.118	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/10/79-03/14/83	6	0.25	0.333	0.8	0.2	0.055	0.234	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/24/79-03/14/83	7	4.	5.714	17.	3.	25.238	5.024	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/24/79-03/14/83	7	44.	56.714	110.	28.	1135.571	33.698	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/19/80-08/25/81	2	5.05	5.05	7.2	2.9	9.245	3.041	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	09/10/79-08/25/81	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/19/80-08/25/81	2	55.	55.	60.	50.	50.	7.071	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/19/80-08/25/81	2 ##	0.675	0.675	1.	0.35	0.211	0.46	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/19/80-08/25/81	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	2 ##	2.75	2.75	5.	0.5	10.125	3.182	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/10/79-08/25/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	08/19/80-08/25/81	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	09/10/79-08/25/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/19/80-08/25/81	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**

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Parameter Inventory for Station: GARI0080

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)	09/10/79-08/25/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	05/24/79-03/14/83	6	985.	1138.333	2900.	180.	1191376.667	1091.502	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/24/79-03/14/83	7	380.	1025.714	2900.	190.	1079995.238	1039.228	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/24/79-03/14/83	7	28.	24.143	30.	10.	71.476	8.454	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/19/80-08/25/81	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/10/79-08/25/81	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/10/79-08/25/81	2	115.	115.	160.	70.	4050.	63.64	**	**	**	**
01054	MANGANESE, SUSPENDED (UG/L AS MN)	05/24/79-03/14/83	6	25.	33.333	80.	0.	946.667	30.768	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/24/79-03/14/83	7	90.	90.714	210.	5.	6386.905	79.918	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/24/79-03/14/83	7	70.	64.	130.	10.	2309.667	48.059	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	08/19/80-08/25/81	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/19/80-08/25/81	2	144.5	144.5	230.	59.	14620.5	120.915	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	08/19/80-08/25/81	2 ##	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/19/80-08/25/81	2	18.5	18.5	27.	10.	144.5	12.021	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/10/79-08/25/81	2	13.5	13.5	17.	10.	24.5	4.95	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/25/81-08/25/81	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/25/81-08/25/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	08/25/81-08/25/81	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/19/80-08/25/81	2 ##	5.	5.	8.	2.	18.	4.243	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	09/10/79-08/25/81	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/10/79-08/25/81	2	2205.	2205.	3700.	710.	4470050.	2114.249	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/24/79-03/14/83	6	102.5	131.333	234.	62.	4838.267	69.558	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/25/81-08/25/81	1	238.	238.	238.	238.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	05/24/79-08/25/81	5	3.18	7.216	21.6	0.4	75.272	8.676	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/24/79-08/25/81	6	0.14	0.187	0.32	0.08	0.011	0.106	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	05/24/79-08/25/81	5 ##	0.05	0.05	0.1	0.	0.001	0.035	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/25/81-08/25/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/25/81-08/25/81	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	08/25/81-08/25/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/10/79-08/25/81	2 ##	0.003	0.003	0.005	0.	0.	0.004	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/19/80-03/14/83	3	11.	101.333	285.	8.	25302.333	159.067	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	07/23/81-07/23/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
82031	COAL IN BOTTOM MATERIAL DRY WEIGHT GRAMS/KG	03/21/80-03/21/80	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

EPA Water Quality Criteria Analysis for Station: GARI0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	1	1.00				1	1	1.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	8	0	0.00	2	0	0.00	6	0	0.00						
		Other-Lo Lim.	6.5	8	1	0.13	2	0	0.00	6	1	0.17						
00403	PH, LAB	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
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.	7	0	0.00	2	0	0.00	5	0	0.00						
		Drinking Water	250.	7	0	0.00	2	0	0.00	5	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	2	0	0.00	5	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00				2	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	2	0	0.00				2	0	0.00						
		Drinking Water	4.	2	0	0.00				2	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	1	0.50				2	1	0.50						
		Drinking Water	5.	2	1	0.50				2	1	0.50						
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00				2	0	0.00						
		Drinking Water	1300.	2	0	0.00				2	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00				2	0	0.00						
		Drinking Water	15.	2	0	0.00				2	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: GARI0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00				2	0	0.00						
		Drinking Water	5000.	2	0	0.00				2	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 criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire GARI Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01-4/14 Obs	10/01-4/14 Exceed	10/01-4/14 Prop.	4/15-9/30 Obs	4/15-9/30 Exceed	4/15-9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	208	14	0.07	73	1	0.01	135	13	0.10						
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	341	71	0.21	1	0	0.00	340	71	0.21						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6261	667	0.11	457	58	0.13	5804	609	0.10						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	760	6	0.01	267	0	0.00	493	6	0.01						
00400	PH	Other-Hi Lim.	9.	6245	1	0.00	700	0	0.00	5545	1	0.00						
		Other-Lo Lim.	6.5	6245	3234	0.52	700	199	0.28	5545	3035	0.55						
00403	PH, LAB	Other-Hi Lim.	9.	671	2	0.00	265	2	0.01	406	0	0.00						
		Other-Lo Lim.	6.5	671	101	0.15	265	57	0.22	406	44	0.11						
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	6	6	1.00				6	6	1.00						
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	58	0	0.00	26	0	0.00	32	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	55	0	0.00	31	0	0.00	24	0	0.00						
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	10	0	0.00	3	0	0.00	7	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	150	0	0.00	60	0	0.00	90	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	936	0	0.00	227	0	0.00	709	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	71	0	0.00	34	0	0.00	37	0	0.00						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	85 &	0	0.00	46	0	0.00	39	0	0.00						
		Drinking Water	0.2	85 &	0	0.00	46	0	0.00	39	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1130	0	0.00	301	0	0.00	829	0	0.00						
		Drinking Water	250.	1130	1	0.00	301	1	0.00	829	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	6	0	0.00				6	0	0.00						
		Drinking Water	250.	6	0	0.00				6	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1114	0	0.00	328	0	0.00	786	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	6	0	0.00				6	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	23	0	0.00	9	0	0.00	14	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	186	0	0.00	102	0	0.00	84	0	0.00						
00997	ARSENIC, INORGANIC TOT	Fresh Acute	360.	23	0	0.00	1	0	0.00	22	0	0.00						
		Drinking Water	50.	23	0	0.00	1	0	0.00	22	0	0.00						
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	4	0	0.00									
		Drinking Water	50.	4	0	0.00	4	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	99	0	0.00	55	0	0.00	44	0	0.00						
		Drinking Water	50.	99	0	0.00	55	0	0.00	44	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	356	0	0.00	30	0	0.00	326	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	379	0	0.00	33	0	0.00	346	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	367	0	0.00	30	0	0.00	337	0	0.00						
		Drinking Water	4.	354 &	0	0.00	29	0	0.00	325	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	338	0	0.00	4	0	0.00	334	0	0.00						
		Drinking Water	4.	288 &	5	0.02	1	0	0.00	287	5	0.02						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	155 &	4	0.03	36	0	0.00	119	4	0.03						
		Drinking Water	5.	155 &	3	0.02	36	0	0.00	119	3	0.03						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	262 &	41	0.16	103	17	0.17	159	24	0.15						
		Drinking Water	5.	262 &	30	0.11	103	11	0.11	159	19	0.12						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	192	0	0.00	18	0	0.00	174	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	183	1	0.01	101	1	0.01	82	0	0.00						
		Drinking Water	100.	183	0	0.00	101	0	0.00	82	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	318	0	0.00	72	0	0.00	246	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	138 &	0	0.00	29	0	0.00	109	0	0.00						
		Drinking Water	1300.	199	0	0.00	33	0	0.00	166	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	167 &	1	0.01	52	0	0.00	115	1	0.01						
		Drinking Water	1300.	252	0	0.00	57	0	0.00	195	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	229	7	0.03	49	3	0.06	180	4	0.02						
		Drinking Water	15.	156 &	15	0.10	40	5	0.13	116	10	0.09						
01051	LEAD, TOTAL	Fresh Acute	82.	359	5	0.01	120	3	0.03	239	2	0.01						
		Drinking Water	15.	274 &	52	0.19	115	30	0.26	159	22	0.14						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	216	0	0.00				216	0	0.00						
		Drinking Water	2.	23 &	23	1.00				23	23	1.00						
01059	THALLIUM, TOTAL	Fresh Acute	1400.	213	0	0.00				213	0	0.00						
		Drinking Water	2.	62 &	62	1.00				62	62	1.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	70	0	0.00	4	0	0.00	66	0	0.00						
		Drinking Water	100.	70	0	0.00	4	0	0.00	66	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	170	0	0.00	41	0	0.00	129	0	0.00						
		Drinking Water	100.	170	2	0.01	41	1	0.02	129	1	0.01						

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

EPA Water Quality Criteria Analysis for Entire GARI Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------10/01-4/14---------- Obs	Exceed	Prop.	----------4/15-9/30---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	14 &	0	0.00	7	0	0.00	7	0	0.00						
		Drinking Water	100.	17	0	0.00	7	0	0.00	10	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	74 &	3	0.04	42	2	0.05	32	1	0.03						
		Drinking Water	100.	92	0	0.00	42	0	0.00	50	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	494	5	0.01	34	0	0.00	460	5	0.01						
		Drinking Water	5000.	494	1	0.00	34	0	0.00	460	1	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	583	41	0.07	68	5	0.07	515	36	0.07						
		Drinking Water	5000.	583	1	0.00	68	0	0.00	515	1	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	292	1	0.00	1	0	0.00	291	1	0.00						
		Drinking Water	6.	35 &	2	0.06				35	2	0.06						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	375	1	0.00	34	1	0.03	341	0	0.00						
		Drinking Water	6.	47 &	11	0.23	9	8	0.89	38	3	0.08						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00	4	0	0.00									
		Drinking Water	50.	4	0	0.00	4	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	69	0	0.00	39	0	0.00	30	0	0.00						
		Drinking Water	50.	69	0	0.00	39	0	0.00	30	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	309	100	0.32	113	32	0.28	196	68	0.35						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	677	160	0.24	232	33	0.14	445	127	0.29						
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	42	20	0.48	22	10	0.45	20	10	0.50						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	24	0	0.00	6	0	0.00	18	0	0.00						
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	13	0	0.00	6	0	0.00	7	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	167	4	0.02	18	0	0.00	149	4	0.03						
		Drinking Water	2.	167	5	0.03	18	0	0.00	149	5	0.03						
71900	MERCURY, TOTAL	Fresh Acute	2.4	299	18	0.06	82	0	0.00	217	18	0.08						
		Drinking Water	2.	299	28	0.09	82	1	0.01	217	27	0.12						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	400	6	0.02	137	3	0.02	263	3	0.01						

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

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

There are STORET Data for Every Level I I&M Parameter Group Within the GARI 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 GARI Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	6	6	0	0	3
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1196	180	684	332	44
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	49	49	0	0	5
00435	ACIDITY, TOTAL (MG/L AS CACO3)	272	0	212	60	25
00440	BICARBONATE ION (MG/L AS HCO3)	87	6	57	24	14
00445	CARBONATE ION (MG/L AS CO3)	64	0	56	8	10
		1674	241	1009	424	101 (52)[1]

pH		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	6245	793	5096	356	64
00403	PH, LAB (STANDARD UNITS)	677	360	258	59	36
		6922	1153	5354	415	100 (73)[1]

Conductivity		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	4115	384	3643	88	26
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2899	705	1920	274	68
		7014	1089	5563	362	94 (73)[1]

Dissolved Oxygen		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	6261	815	5310	136	33
00300	OXYGEN, DISSOLVED (MG/L)	760	218	244	298	32
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	368	46	151	171	2
		7389	1079	5705	605	67 (63)[1]

Water Temperature		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12011	3767	7260	984	74
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	133	0	73	60	2
		12144	3767	7333	1044	76 (74)[1]

Flow		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00060	FLOW, STREAM, MEAN DAILY CFS	112	0	68	44	2
00061	FLOW, STREAM, INSTANTANEOUS CFS	1412	192	572	648	33
00065	STAGE, STREAM (FEET)	56	30	0	26	7
		1580	222	640	718	42 (33)[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 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	208	0	0	208	2
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	341	0	332	9	14
00077	TRANSPARENCY, SECCHI DISC (INCHES)	127	19	97	11	13
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	871	172	505	194	10
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	400	241	155	4	10
		1947	432	1089	426	49 (31)[!]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00602	NITROGEN, DISSOLVED (MG/L AS N)	5	0	5	0	5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11	0	0	11	2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	61	0	61	0	19
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	857	101	622	134	23
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	12	0	12	0	8
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	150	39	0	111	7
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	5	0	5	0	5
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	981	222	620	139	22
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	936	183	626	127	21
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	77	0	77	0	23
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	61	0	61	0	19
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	26	6	12	8	13
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	15	0	15	0	9
		3197	551	2116	530	176 (49)[!]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00655	PHOSPHATE, POLY (MG/L AS PO4)	6	0	6	0	1
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30	0	30	0	9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	976	219	621	136	22
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	492	19	473	0	21
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	185	0	63	122	27
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	138	0	138	0	2
		1827	238	1331	258	82 (48)[!]

Chlorophyll		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	272	65	207	0	9
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	184	53	131	0	9
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	12	0	0	12	4
		468	118	338	12	22 (13)[!]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	1158	61	820	277	43
00945	SULFATE, TOTAL (MG/L AS SO4)	1120	191	813	116	44
00946	SULFATE, DISSOLVED (MG/L AS SO4)	6	6	0	0	3
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	347	0	339	8	32
		2631	258	1972	401	122 (47)[!]

[!]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 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	309	0	249	60	20
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	1	0	1	0	1
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	797	375	248	174	25
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	42	0	42	0	7
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	42	0	42	0	7
		1191	375	582	234	60 (32)[1]

Toxic Elements		Total Obs.	01/01/85 to 06/22/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	292	8	284	0	8
01097	ANTIMONY, TOTAL (UG/L AS SB)	375	39	336	0	10
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	23	0	18	5	2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	4	0	4	0	4
01002	ARSENIC, TOTAL (UG/L AS AS)	99	8	78	13	6
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	367	13	354	0	27
01012	BERYLLIUM, TOTAL (UG/L AS BE)	338	55	283	0	8
01025	CADMIUM, DISSOLVED (UG/L AS CD)	254	0	236	18	31
01027	CADMIUM, TOTAL (UG/L AS CD)	382	13	341	28	11
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	192	0	192	0	9
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	183	0	138	45	2
01034	CHROMIUM, TOTAL (UG/L AS CR)	318	14	299	5	11
01040	COPPER, DISSOLVED (UG/L AS CU)	199	0	199	0	29
01042	COPPER, TOTAL (UG/L AS CU)	252	13	225	14	11
01049	LEAD, DISSOLVED (UG/L AS PB)	229	7	199	23	30
01051	LEAD, TOTAL (UG/L AS PB)	359	20	303	36	11
71890	MERCURY, DISSOLVED (UG/L AS HG)	167	0	167	0	6
71900	MERCURY, TOTAL (UG/L AS HG)	299	0	267	32	9
01065	NICKEL, DISSOLVED (UG/L AS NI)	70	0	70	0	9
01067	NICKEL, TOTAL (UG/L AS NI)	170	14	147	9	11
01145	SELENIUM, DISSOLVED (UG/L AS SE)	4	0	4	0	4
01147	SELENIUM, TOTAL (UG/L AS SE)	69	8	55	6	6
01075	SILVER, DISSOLVED (UG/L AS AG)	17	0	0	17	1
01077	SILVER, TOTAL (UG/L AS AG)	92	0	74	18	4
01057	THALLIUM, DISSOLVED (UG/L AS TL)	216	0	216	0	6
01059	THALLIUM, TOTAL (UG/L AS TL)	213	0	213	0	6
01090	ZINC, DISSOLVED (UG/L AS ZN)	495	13	481	1	32
01092	ZINC, TOTAL (UG/L AS ZN)	583	55	515	13	13
00720	CYANIDE, TOTAL (MG/L AS CN)	86	0	78	8	2
		6347	280	5776	291	319 (34)[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	1674	241	14.4	52	65.0	32.2	07/10/46-06/22/95	34.2
pH	6922	1153	16.7	73	91.3	94.8	07/10/46-06/22/95	141.4
Conductivity	7014	1089	15.5	73	91.3	96.1	08/30/60-06/22/95	201.5
Dissolved Oxygen	7389	1079	14.6	63	78.8	117.3	07/10/46-06/22/95	150.9
Water Temperature	12144	3767	31.0	74	92.5	164.1	06/13/45-06/22/95	242.8
Flow	1580	222	14.1	33	41.3	47.9	06/13/45-06/19/95	31.6
Clarity/Turbidity	1947	432	22.2	31	38.8	62.8	07/10/46-06/22/95	39.8
Nitrate/Nitrogen	3197	551	17.2	49	61.3	65.2	08/30/60-06/22/95	91.8
Phosphate/Phosphorus	1827	238	13.0	48	60.0	38.1	04/03/73-06/22/95	82.2
Chlorophyll	468	118	25.2	13	16.3	36.0	04/03/73-08/26/93	22.9
Sulfates/Total Dissolved Solids/Hardness	2631	258	9.8	47	58.8	56.0	07/10/46-06/22/95	53.7
Bacteria	1191	375	31.5	32	40.0	37.2	07/10/46-06/22/95	24.3
Toxic Elements	6347	280	4.4	34	42.5	186.7	11/06/67-06/22/95	229.7

Water Quality Observations
Outside STORET Edit Criteria for GARI

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	130.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	164.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	170.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	160.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	136.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	117.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	117.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	118.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	118.0000000	11EPALES	540304	
GARI0005	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1840	116.0000000	11EPALES	540304	
GARI0018	00665	PHOSPHORUS, TOTAL (MG/L AS P)	730728	1530	13.0000000	11EPALES	5403F1	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	109.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	126.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	126.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	124.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	124.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	107.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	110.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	106.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	113.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	115.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	114.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	114.0000000	11EPALES	540303	
GARI0025	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1630	112.0000000	11EPALES	540303	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	107.7000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	119.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	109.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	108.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	111.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	111.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	116.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	115.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	115.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	113.0000000	11EPALES	540302	
GARI0040	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1550	113.0000000	11EPALES	540302	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	119.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	108.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	106.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	108.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	113.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	113.0000000	11EPALES	540301	

Water Quality Observations
Outside STORET Edit Criteria for GARI

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	118.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	116.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	118.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	117.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	119.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	119.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	117.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	116.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	117.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	113.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	107.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	118.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	121.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	116.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	117.0000000	11EPALES	540301	
GARI0049	00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	730718	1425	115.0000000	11EPALES	540301	
GARI0060	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	810720	1130	220.0000000	112WRD	03190400	

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) GARITABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) GARISITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) GARIAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) GARIAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) GARIOV0.DOC - Overview of park and retrieved data.

(e) GARIOV1.DOC - Station period of record table.

(f) GARIOV2.DOC - Parameter period of record table.

(g) GARIOV3.DOC - Station/parameter period of record table.

(h) GARIINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) GARISEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) GARIEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) GARIIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) GARIBAD.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 GARIOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\GARIOV1.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) GARIFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station GARI0001. 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 GARI0001) 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) GARIPARM.ZIP

This file compresses GARIPARM.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) GARISITE.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) GARIWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) GARIIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) GARIDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) GARIGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) GARIDAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) GARIMISC.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) GARIEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) GARITOC.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) GARIREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) GARIWQ - 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 (GARIWQA, GARIWQB, GARIWQC, etc.) and the index map name will end with an ampersand (&).

(g) GARIIDG - 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 (GARIIDGA, GARIIDGB, GARIIDGC, 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) GARISEHY - 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 GARIFIGS.ZIP and GARITABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in GARIMISC.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) GARIRF3.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) GARIWQMW.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: GARIPARM.DBF in GARIPARM.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: GARIPARM.DBF in GARIPARM.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: GARIPARM.DBF in GARIPARM.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: GARIWQ.DBF in GARISITE.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: GARIWQ.DBF in GARISITE.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: GARIIFD.DBF in GARISITE.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: GARIIFD.DBF in GARISITE.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: GARIIFD.DBF in GARISITE.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: GARIDRIN.DBF in GARISITE.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: GARIDRIN.DBF in GARISITE.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: GARIDRIN.DBF in GARISITE.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: GARIGAGE.DBF in GARISITE.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: GARIGAGE.DBF in GARISITE.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: GARIDAMS.DBF in GARISITE.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: GARIDAMS.DBF in GARISITE.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: GARIDAMS.DBF in GARISITE.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: GARIDAMS.DBF in GARISITE.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 GARIRF3.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 GARIRF3.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 GARIRF3.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 GARIRF3.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 GARIRF3.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 GARIRF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0[#]	PH	SU	Physical
	00403				≤6.5, ≥9.0[#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200[=]	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9+	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9+	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9+	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700+	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9[+]	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82[+]	15[a]	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	2130[*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[p]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13[*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039[+]	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4[+]	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20c			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20c			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20c			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020c			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20c			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[p]	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[p]	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9[+]	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200[^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250[s]			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9[+]	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18+	1300a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	81752	1400[+]	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000[*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9[+]	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[l]	TURBIDITY, FIELD	NTU	Physical
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

[*]Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

[+]Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

[***]pH Dependent Criteria (7.8 pH Used).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	**Conductivity Parameter Group**	**C.A.S. Number**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	**Dissolved Oxygen Parameter Group**	**C.A.S. Number**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	**pH Parameter Group**	**C.A.S. Number**
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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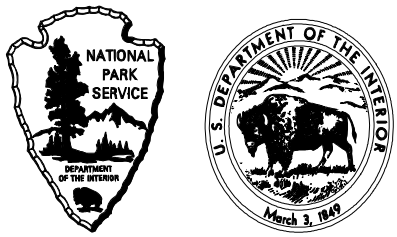
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