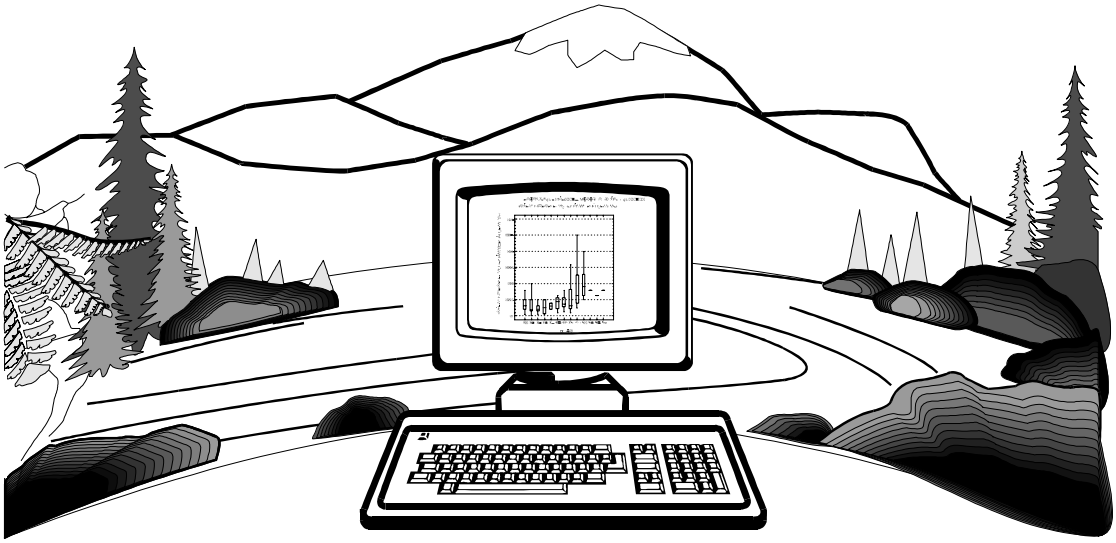
Baseline Water Quality Data

Inventory and Analysis

Arches National Park



Water Resources Division and Servicewide Inventory and Monitoring Program

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

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

ARCHES NATIONAL PARK

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-2000/274

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

EXECUTIVE SUMMARY

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

The results of the retrievals for the ARCH study area from the IFD, DRINKS, GAGES, and DAMS databases located three industrial/municipal dischargers; two drinking water intakes; 13 active or inactive U.S. Geological Survey (USGS) water gages (including stream and climate); and one water impoundment. The results of the STORET retrieval for the study area yielded 104,538 observations for 651 separate parameters collected by the NPS, USGS, EPA, Utah Department of Environmental Quality, and Utah Department of Health at 183 monitoring stations from 1928 through 1999. Approximately 50 percent of the 104,538 observations within the study area were collected by the USGS from 1928 through 1996. Of the 183 monitoring stations, 57 stations were located within the park boundary (see Station Period of Record Tabulation).

Many of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Forty stations within the study area (twelve within the park boundary) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longest-term records within the park boundary are: (1) Freshwater Spring in Salt Wash (ARCH 0169); (2) Courthouse Wash 0.5 miles upstream of the Colorado River at USGS Gage 09183000 (ARCH 0089); (3) Sleepy Hollow Spring in Upper Courthouse Wash (ARCH 0111); (4) Willow Spring (ARCH 0130); and (5) Salt Valley Wash Spring (ARCH 0161). The stations yielding the longest-term records within the study area, but outside of the park boundary, are: (1) Colorado River at the U.S. Route 191 Bridge near Moab (ARCH 0081); (2) Moab Wastewater Treatment Plant (WWTP) outfall to the Colorado (ARCH 0042); (3) Colorado River upstream of Mill Creek near Moab (ARCH 0039); (4) Colorado River near Cisco (at the State Route 128 Bridge) (ARCH 0177); and (5) Colorado River downstream of Moab (ARCH 0043)[†].

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the ARCH water quality criteria screen found 26 groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, chloride, chlorine, cyanide, cadmium, chromium, copper, lead, mercury, selenium, silver, and zinc exceeded their respective

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

EPA criteria for the protection of freshwater aquatic life. Chloride, sulfate, nitrate, nitrite, nitrite plus nitrate, antimony, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, thallium, uranium, zinc, and radium 226 exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively.

Dissolved oxygen concentrations were measured 1,419 times at 70 monitoring stations from 1970 through 1999. Forty-six concentrations at 17 stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life from 1977 through 1999.

The pH was measured 3,644 times at 171 monitoring stations from 1945 through 1999. Eighty-four observations at 48 stations throughout the study area were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1974 through 1999. Forty-five observations were greater than or equal to pH 9.0 and 39 observations were less than or equal to pH 6.5. Eighteen of the 39 observations less than or equal to pH 6.5 were reported at eleven springs within the park boundary from 1984 through 1997. The lowest pH of 1.80 SU was reported in the Colorado River at the Dewey (State Route 128) Bridge (ARCH 0178) in June 1983. The highest pH of 10.3 SU was reported at an Atlas Minerals Corporation settling pond outfall (ARCH 0074) and within the park in Salt Wash at the Wolfe Ranch Road Crossing (ARCH 0157) in March 1976 and April 1990, respectively.

Turbidity was measured 1,125 times at 52 monitoring stations from 1974 through 1999. Four-hundred-sixty-six observations at 28 stations exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units (JTU/FTU/NTU) from 1974 through 1999. Approximately 88 percent of the observations exceeding the criterion were reported at 12 stations in the Colorado River, including the highest value of 10,500 FTU at the Dewey (State Route 128) Bridge (ARCH 0178) in September 1977.

Total coliform concentrations were measured 417 times at 29 monitoring stations from 1976 through 1999. Of the 416 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 152 concentrations at 16 stations exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1976 through 1999. Fifty-five percent of the observations exceeding the criterion were reported at the Moab WWTP outfall to the Colorado River (ARCH 0042). The highest concentration of 240,000 MPN/100 ml was reported five times at four stations, at the Texas-Gulf Sulfur WWTP outfall near Potash (ARCH 0009), Mill Creek downstream of the confluence with Pack Creek (ARCH 0036), the Moab WWTP outfall to the Colorado River (ARCH 0042), and the Colorado River at the U.S. Route 191 Bridge (ARCH 0081), from 1976 through 1978. Fecal coliform concentrations were measured 508 times at 31 monitoring stations from 1974 through 1999. Of the 507 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 132 concentrations at 19 stations exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1976 through 1999. Approximately 58 percent of the observations exceeding the criterion were reported at five stations in or near Moab, in the Colorado River (ARCH 0034, ARCH 0039, ARCH 0042, ARCH 0081) and Mill Creek below the confluence with Pack Creek (ARCH 0036), from 1976 through 1999. The highest concentration of 240,000 MPN/100 ml was reported twice at the Texas-Gulf Sulfur WWTP outfall near Potash (ARCH 0009) and once at the Moab WWTP outfall to the Colorado River (ARCH 0042) from 1976 through 1978.

Chloride concentrations (including dissolved and total) were measured 2,845 times at 130 monitoring stations from 1928 through 1999. Two-hundred-fifty-four concentrations at 41 stations throughout the study area equaled or exceeded the secondary drinking water criterion of 250 mg/L from 1931 through 1999. Fifty-one of these 254 observations also equaled or exceeded the acute freshwater criterion of 860 mg/L from 1947 through 1999. The highest concentration of 3,788 mg/L was reported within the park at Salt Spring east of the Windows Parking Area (ARCH 0121) in June 1988.

Total residual chlorine concentrations were measured 138 times at two monitoring stations, at the Moab WWTP outfall to the Colorado River (ARCH 0042) and the Texas-Gulf Sulfur WWTP outfall near Potash (ARCH 0009),

from 1976 through 1999. Of the 137 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 136 concentrations at the two stations exceeded the acute freshwater criterion of .019 mg/L from 1976 through 1999. One-hundred-thirty-three of the 136 observations exceeding the criterion were reported at the Moab WWTP outfall to the Colorado River (ARCH 0042), including the highest concentration of 9.5 mg/L in December 1985.

Total cyanide concentrations were measured 24 times at two monitoring stations, in the Colorado River upstream of Mill Creek near Moab (ARCH 0039) and at an Atlas Minerals Corporation settling pond outfall (ARCH 0074), from 1976 through 1981. One concentration of 0.176 mg/L at the Atlas Minerals Corporation settling pond outfall (ARCH 0074) exceeded the acute freshwater criterion of 0.022 mg/L in February 1976.

Sulfate concentrations (including dissolved and total) were measured 2,864 times at 131 monitoring stations from 1928 through 1999. One-thousand-seven-hundred-forty-two concentrations at 52 stations throughout the study area equaled or exceeded the secondary drinking water criterion of 250 mg/L from 1928 through 1999. Approximately 74 percent of the observations exceeding the criterion were reported at three stations in the Colorado River at or near the Dewey (State Route 128) Bridge (ARCH 0176, ARCH 0177, ARCH 0178). The highest concentration of 7,718 mg/L was reported at an Atlas Minerals Corporation mill tailings pile seep (ARCH 0073) in February 1997.

Nitrate concentrations (including dissolved and total as N and dissolved and total as NO_3) were measured 2,263 times at 89 monitoring stations from 1928 through 1991. Six total NO_3-N concentrations, ranging from 10.03 mg/L to 15.94 mg/L at two stations in or near Moab, at the Moab WWTP outfall to the Colorado River (ARCH 0042) and Mill Creek downstream of the confluence with Pack Creek (ARCH 0036), exceeded the drinking water criterion of 10 mg/L NO_3-N from 1980 through 1988. The highest concentration of 15.94 mg/L NO_3-N was reported at the Moab WWTP outfall to the Colorado River (ARCH 0042) in May 1988.

Nitrite concentrations (including dissolved and total as N and dissolved as NO_2) were measured 411 times at 27 monitoring stations from 1938 through 1996. Eleven concentrations at three stations, at the Moab WWTP outfall to the Colorado River (ARCH 0042), the Colorado River at the Dewey (State Route 128) Bridge (ARCH 0177), and the Texas-Gulf Sulfur WWTP outflow near Potash (ARCH 0009), exceeded the drinking water criteria of 1 mg/L NO_2-N or 3.3 mg/L NO_2-NO_2 from 1938 through 1988. Eight NO_2-N concentrations, ranging from 2.15 mg/L to 17.5 mg/L at the three stations, exceeded the drinking water criterion of 1 mg/L NO_2-N from 1948 through 1988. Three NO_2-NO_2 concentrations, ranging from 50 mg/L to 160 mg/L in the Colorado River at the Dewey (State Route 128) Bridge (ARCH 0177), exceeded the drinking water criterion of 3.3 mg/L NO_2-NO_2 during 1938 and 1948, including the highest concentration of 160 mg/L NO_2-NO_2, reported twice in October 1938.

Nitrite plus nitrate concentrations (including dissolved and total as N) were measured 1058 times at 50 monitoring stations from 1970 through 1999. Twelve concentrations, ranging from 11.15 mg/L to 136.12 mg/L at three stations in or near Moab, at an Atlas Minerals Corporation mill tailings pile seep (ARCH 0073), the Moab WWTP outfall to the Colorado River (ARCH 0042), and Mill Creek downstream of the confluence with Pack Creek (ARCH 0036), exceeded the drinking water criterion of 10 mg/L from 1980 through 1998. Seven of the twelve observations exceeding the criterion were reported at an Atlas Minerals Corporation mill tailings pile seep (ARCH 0073) from 1995 through 1997, including the highest concentration of 136.12 mg/L in February 1996.

Antimony concentrations (including dissolved and total) were measured 135 times at 35 monitoring stations from 1976 through 1998. Two concentrations at two stations, 6 micrograms per liter (µg/L) in the Colorado River at the U.S. Route 191 Bridge (ARCH 0080) and 12.4 µg/L at an Atlas Minerals Corporation mill tailings pile seep (ARCH 0073), equaled or exceeded the drinking water criterion of 6 µg/L during January 1977 and January 1997, respectively.

Beryllium concentrations (including dissolved, total, and field acidified) were measured 169 times at 35 monitoring stations from 1976 through 1998. One dissolved concentration of 20 µg/L in the Colorado River upstream of Mill Creek near Moab (ARCH 0039) exceeded the drinking water criterion of 4.0 µg/L in May 1976.

Cadmium concentrations (including dissolved, suspended, total, and field acidified) were measured 940 times at 81 monitoring stations from 1969 through 1999. Of the 932 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 76 concentrations at 20 stations exceeded the acute freshwater criterion of 3.9 µg/L from 1972 through 1993. Fifty of these 76 observations also equaled or exceeded the drinking water criterion of 5.0 µg/L. Approximately 78 percent of the observations exceeding the criteria were reported at nine stations in the Colorado River, near Moab (ARCH 0034, ARCH 0042, ARCH 0045, ARCH 0080, ARCH 0081), at or near the Dewey (State Route 128) Bridge (ARCH 0176, ARCH 0177, ARCH 0178), and downstream of Castle Creek (ARCH 0118). The highest concentration of 40 µg/L was reported in the Colorado River at the U.S. Route 191 Bridge (ARCH 0081) in October 1976.

Chromium concentrations (including dissolved, hexavalent, suspended, total, and field acidified) were measured 1,212 times at 109 monitoring stations from 1972 through 1999. Seven hexavalent concentrations, ranging from 18 µg/L to 46 µg/L at three stations, near Moab (ARCH 0042, ARCH 0069) and in the Colorado River near the Dewey (State Route 128) Bridge (ARCH 0176), exceeded the acute freshwater criterion of 16 µg/L for hexavalent chromium from 1976 through 1981. Three dissolved, total, or field acidified concentrations, ranging from 100 µg/L to 2,300 µg/L at three stations, at an Atlas Minerals Corporation settling pond outfall (ARCH 0074), Onion Creek (ARCH 0147), and the Colorado River at the Dewey (State Route 128 Bridge) (ARCH 0178), equaled or exceeded the drinking water criterion of 100 µg/L from 1976 through 1989. The highest concentration of 2,300 µg/L was reported at an Atlas Minerals Corporation settling pond outfall (ARCH 0074) in March 1976.

Copper concentrations (including dissolved, suspended, total, and field acidified) were measured 1,119 times at 124 monitoring stations from 1968 through 1999. One-hundred-thirty-four concentrations at 52 stations throughout the study area equaled or exceeded the acute freshwater criterion of 18 µg/L from 1968 through 1999. Four of these 134 concentrations also exceeded the drinking water criterion of 1,300 µg/L from 1975 through 1990. The highest concentration of 2,480 µg/L was reported within the park boundary at a spring in Salt Valley Wash one mile southwest of Fiery Furnace (ARCH 0163) in May 1990.

Lead concentrations (including dissolved, suspended, total, and field acidified) were measured 979 times at 109 monitoring stations from 1969 through 1999. Of the 967 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 149 concentrations at 46 stations equaled or exceeded the drinking water criterion of 15 µg/L from 1972 through 1993. Twenty-seven of these 149 concentrations also exceeded the acute freshwater criterion of 82 µg/L during 1975 and 1978. Approximately 62 percent of the observations exceeding the criteria were reported at nine stations in the Colorado River, at or near the Dewey (State Route 128) Bridge (ARCH 0176, ARCH 0177, ARCH 0178), near Moab (ARCH 0034, ARCH 0039, ARCH 0045, ARCH 0080, ARCH 0081), and north of Potash (ARCH 0012). The highest concentration of 2,806 µg/L was reported in Onion Creek (ARCH 0147) in June 1978.

Mercury concentrations (including dissolved, suspended, total, and field acidified) were measured 859 times at 79 monitoring stations from 1974 through 1999. Three concentrations, ranging from 2.4 µg/L to 17 µg/L at three stations, in the Colorado River at or near the Dewey (State Route 128) Bridge (ARCH 0177, ARCH 0178) and an Atlas Minerals Corporation settling pond outfall (ARCH 0074), equaled or exceeded the drinking water criterion of 2 µg/L and the acute freshwater criterion of 2.4 µg/L from 1976 through 1988. The highest concentration of 17 µg/L was reported at an Atlas Minerals Corporation settling pond outfall (ARCH 0074) in February 1976.

Nickel concentrations (including dissolved, suspended, total, and field acidified) were measured 545 times at 87 monitoring stations from 1969 through 1998. Thirty concentrations at 21 stations equaled or exceeded the drinking water criterion of 100 µg/L from 1977 through 1989. Approximately 67 percent of the observations exceeding the criterion were reported at 16 potholes, including nine in the southern portion of the park, during 1988 and 1989. The highest concentration of 1,000 µg/L was reported within the park at Pothole Site TF-4 (ARCH 0091) in August 1988.

Selenium concentrations (including dissolved, suspended, total, and acid soluble) were measured 978 times at 93 monitoring stations from 1968 through 1999. Twenty-three concentrations at 22 stations equaled or exceeded the

acute freshwater criterion of 20 µg/L from 1970 through 1998. Nineteen of these 23 observations also equaled or exceeded the drinking water criterion of 50 µg/L from 1970 through 1996. Approximately 69 percent of the observations exceeding the criteria were reported at 15 potholes or springs within the park boundary from 1970 through 1998, including the highest concentration of 102 µg/L reported at a spring near Winter Camp Wash (ARCH 0162) in September 1970.

Silver concentrations (including dissolved, suspended, total, and field acidified) were measured 880 times at 77 monitoring stations from 1975 through 1999. Forty-one concentrations at 16 stream stations exceeded the acute freshwater criterion of 4.1 µg/L from 1975 through 1991. The highest concentration of 15 µg/L was reported at the Texas-Gulf Sulfur WWTP outfall near Potash (ARCH 0009) and the Colorado River near the Dewey (State Route 128) Bridge (ARCH 0176) in October 1976 and January 1980, respectively.

Thallium concentrations (including dissolved and total) were measured 32 times at three monitoring stations (ARCH 0046, ARCH 0073, ARCH 0081) from 1995 through 1998. One dissolved concentration at an Atlas Minerals Corporation mill tailings pile seep (ARCH 0073) equaled the drinking water criterion of 2 µg/L in February 1997.

Natural uranium concentrations (including dissolved and total) were measured 645 times at 43 monitoring stations from 1962 through 1996. Twenty-four concentrations at eight stations near Moab, in the Colorado River (ARCH 0039, ARCH 0043, ARCH 0045, ARCH 0080, ARCH 0083), the Atlas Minerals Corporation millsite (ARCH 0074, ARCH 0075), and a spring used as a public drinking water supply source southeast of Moab (ARCH 0014), equaled or exceeded the drinking water criterion of 20 µg/L from 1963 through 1981. The highest concentration of 4,150 µg/L was reported at an Atlas Minerals Corporation settling pond outfall (ARCH 0074) in January 1977.

Zinc concentrations (including dissolved, suspended, total, and field acidified) were measured 974 times at 82 monitoring stations from 1964 through 1999. Forty-six concentrations at 20 stations equaled or exceeded the acute freshwater criterion of 120 µg/L from 1973 through 1993. Thirty-three of these 46 concentrations were reported at seven stations in the Colorado River, at or near the Dewey (State Route 128) Bridge (ARCH 0176, ARCH 0177, ARCH 0178) and near Moab (ARCH 0039, ARCH 0080, ARCH 0081, ARCH 0082). The highest concentration of 5,420 µg/L, reported at the mouth of Negro Bill Canyon Creek (ARCH 0086), also exceeded the drinking water criterion of 5,000 µg/L in January 1980.

Radium 226 concentrations (including dissolved, suspended, and total) were measured 827 times at 16 monitoring stations from 1961 through 1998. Of the 822 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 47 concentrations at ten stations, in the Colorado River near Moab (ARCH 0043, ARCH 0045, ARCH 0080, ARCH 0081, ARCH 0083), the Atlas Minerals Corporation millsite (ARCH 0073, ARCH 0074), the Colorado River at the Dewey (State Route 128) Bridge (ARCH 0176, ARCH 0178), and Mill Creek downstream of the confluence with Pack Creek (ARCH 0036), equaled or exceeded the drinking water criterion of 5.0 picocuries per liter (pc/L) from 1963 through 1996. Approximately 57 percent of the observations exceeding the criterion were reported in the Colorado River upstream of Mill Creek near Moab (ARCH 0045) from 1971 through 1981. The highest concentration of 1,084 pc/L was reported in the Colorado River at the U.S. Route 191 Bridge (ARCH 0081) in December 1980.

The IDEA conducted for ARCH indicates that STORET data exist for all 13 Level I parameter groups in the study area. For the parameter group Flow, less than 25 percent of the observations were recorded since 1985. Overall, approximately 37 percent of the observations for Level I parameter groups were recorded since 1985. Data for six groups (Dissolved Oxygen, Flow, Clarity/Turbidity, Phosphate/Phosphorus, Chlorophyll, and Bacteria) were recorded at less than half of the 183 monitoring stations. Relative to other parameter groups, data were limited for the group Chlorophyll. Results for 68 of the 126 EPA priority toxic pollutants (consisting of inorganic and organic parameters, metals, pesticides, and PCB's) were retrieved from STORET.

Surface water resources in the ARCH study area include the Colorado River; Mill, Salt, Courthouse, Onion, Castle, and many other creeks and washes; Freshwater, Matrimony, Willow, and numerous other springs; Jackson Reservoir, Kens Lake, and other smaller impoundments; some canals, ditches, and aqueducts; and potholes. The

data inventories and analyses contained in this report indicate that surface waters within the study area have been impacted by natural and human activities. Potential natural sources of contaminants include erosion from flash floods and geologic weathering. Potential anthropogenic sources of contaminants include municipal and industrial wastewater discharges; mining and quarrying activities; agricultural and ranching operations; oil and gas development; stormwater runoff; recreational use; and atmospheric deposition.

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INTRODUCTION

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

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

Goal

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

Purpose

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

Objectives

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

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

2. Develop a complete inventory of all retrieved data;

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

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

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

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

Document Overview

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

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

Caveats

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

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

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

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

Key Personnel

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

National Park Service, Water Resources Division:

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

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

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

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

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

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

Scott Ratchford, Sonny Emmert, Matt Kunze, Chris Woodward, Nils Babel, Greg Johnson, and Karin Howland provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor, Mary Beth Talty, Ryan Shy, and Lisa Dummer uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

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

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

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

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

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

Other National Park Service:

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

METHODOLOGY

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

Delineation of Park Study Area

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

Data Sources

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

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

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

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

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

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

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

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

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

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

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

Data Retrieval and Analysis Procedures

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

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

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

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

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

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

Park Unit Databases

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

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

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

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

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

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

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

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

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

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

Screening Methodologies and Procedures

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

STORET Edit Criteria

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

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

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

Date Screen

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

Station Type Screen

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

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

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

Phase 0 Parameter Screen

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

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

Phase 1 Parameter Screen

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

Media Type Screen

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

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

Remark Code Screen

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

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

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

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

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

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

Composite Type Screen

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

Table D. Possible STORET Composite Type Codes

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

Phase 2 Parameter Screen

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

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

Observations/Period of Record Screen

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

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

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

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

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

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

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

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

Statistical Definitions

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

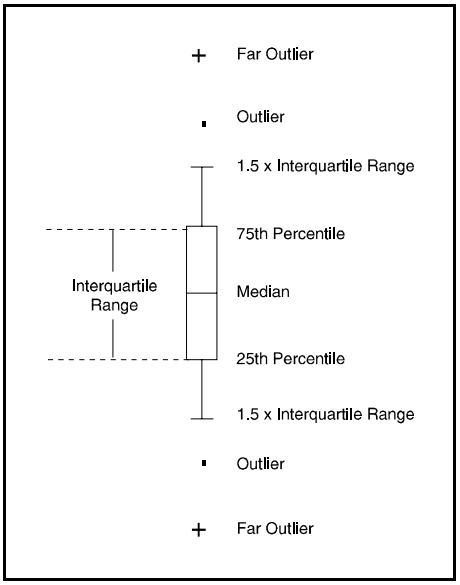
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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

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

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

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



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

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

Overview

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

Regional Location Map

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

Water Quality Monitoring Locations Map(s)

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

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

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

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

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

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

Representative Mean Annual Hydrograph for Seasonal Analysis

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

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

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

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

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

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

Contacts for Agency Codes Retrieved

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

Quantity of Data Retrieved by Agency Code

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

Station Period of Record Tabulation

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

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

Parameter Period of Record Tabulation

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

Station/Parameter Period of Record Tabulation

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

Station-By-Station Results

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

Station Inventory for Station

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

Parameter Inventory for Station

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

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

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

EPA Water Quality Criteria Analysis for Station

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

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

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

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

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

Time Series Plots for Station

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

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

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

Annual Analysis for Station

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

Annual Box-and-Whiskers Plots for Station

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

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

Seasonal Analysis for Station

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

Seasonal Box-and-Whiskers Plots for Station

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

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

EPA Water Quality Criteria Analysis for Entire Park Study Area

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

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

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

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

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

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

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

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

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

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

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

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

Water Quality Observations Outside STORET Edit Criteria for Park

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

WATER QUALITY RESULTS

OVERVIEW FOR ARCH

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:	449121	76776
# STORET Stations:	183	57
# Stations With No Data:	0	0
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	40	12
Date of STORET Retrieval:	12/14/99	12/14/99
Period of Record:	10/01/28-12/21/99	09/15/70-12/08/99
# Parameters Measured:	651	202
# Water Quality Observations:	104538	8973
# Industrial/Municipal Facilities:	3	0
# Drinking Water Intakes:	2	0
# Water Gages:	13	2
# Water Impoundments:	1	0
# Total Plots:	117	2
# Time Series:	57	1
# Annual:	26	1
# Seasonal:	34	0

Hydrologic Definition of Seasons:

1. July 15 - October 14
2. October 15 - March 31
3. April 1 - May 31
4. June 1 - July 14

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 13 years and at least 60 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 8 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.

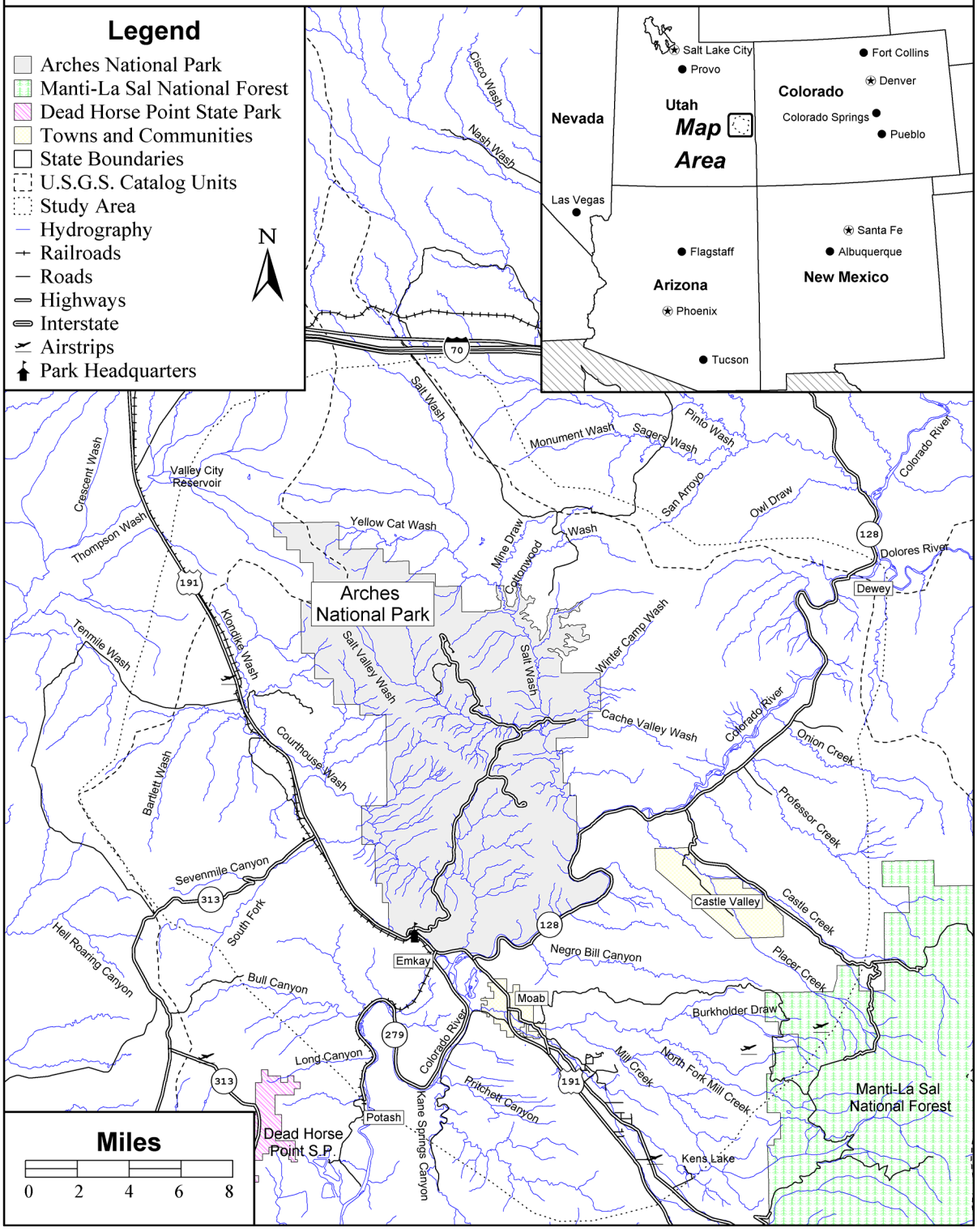
Seasonal Analysis Criteria:

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.

Arches National Park

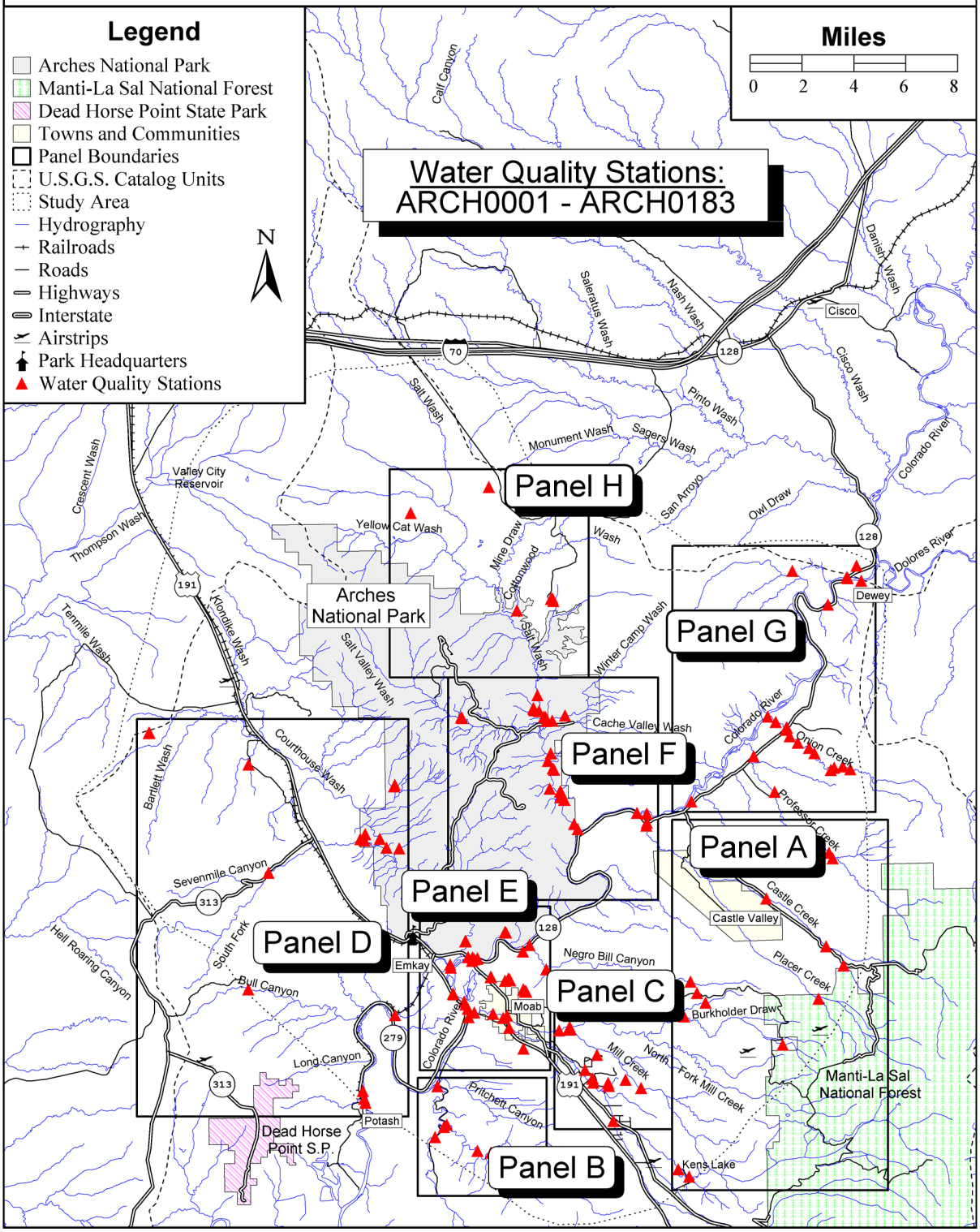
Regional Location Map



Arches National Park

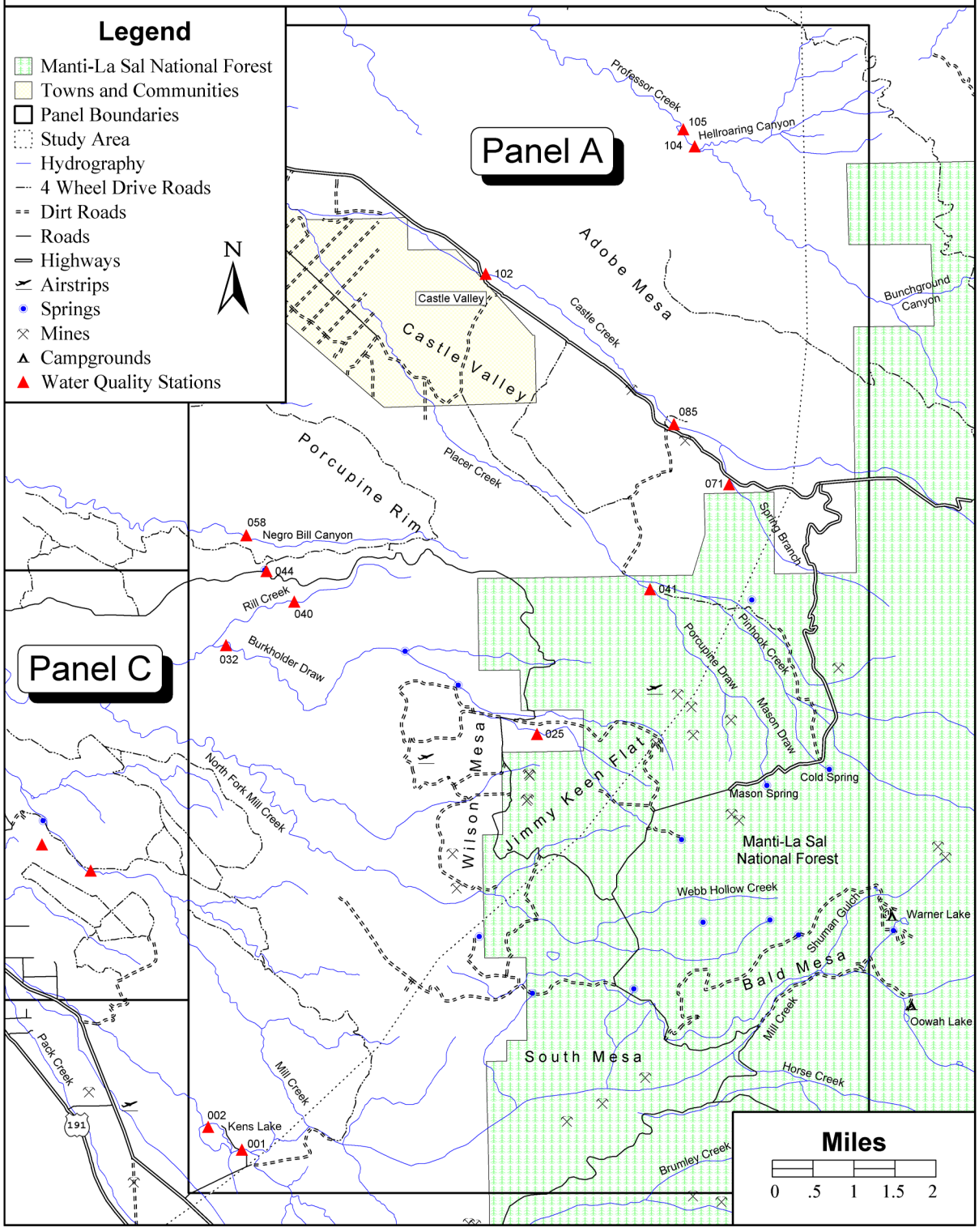
Water Quality Monitoring Locations

Graphic Panel Index



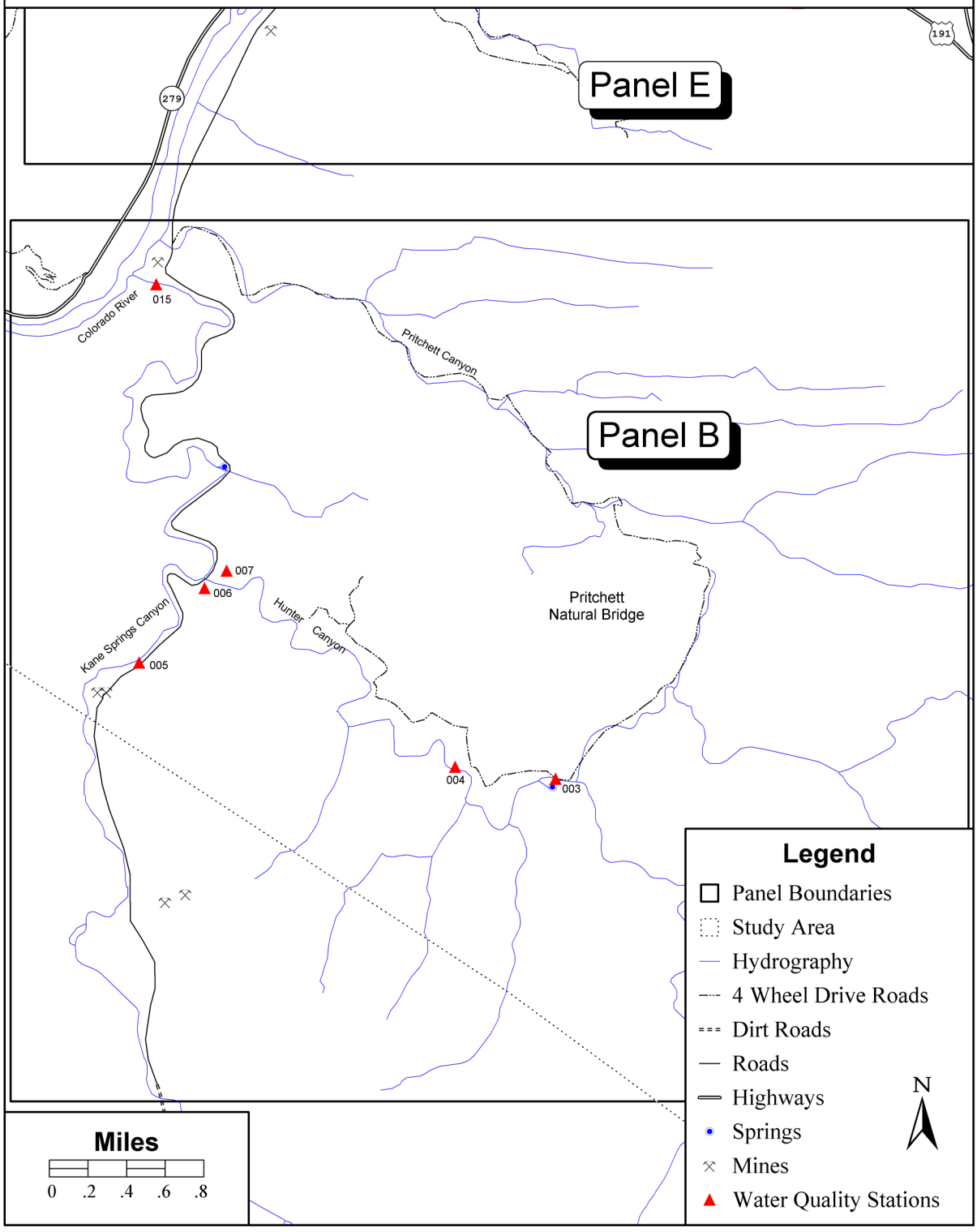
Arches National Park

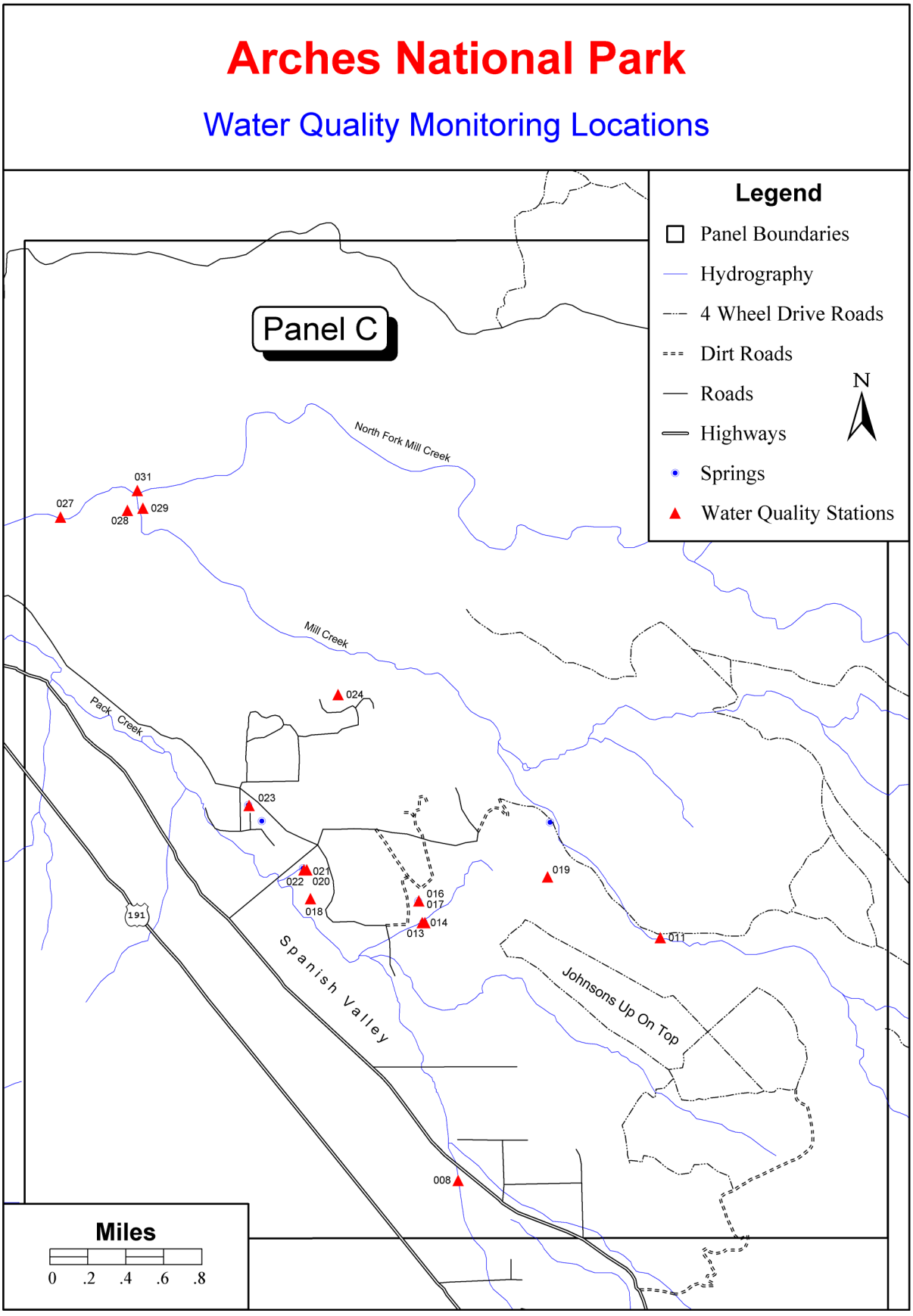
Water Quality Monitoring Locations



Arches National Park

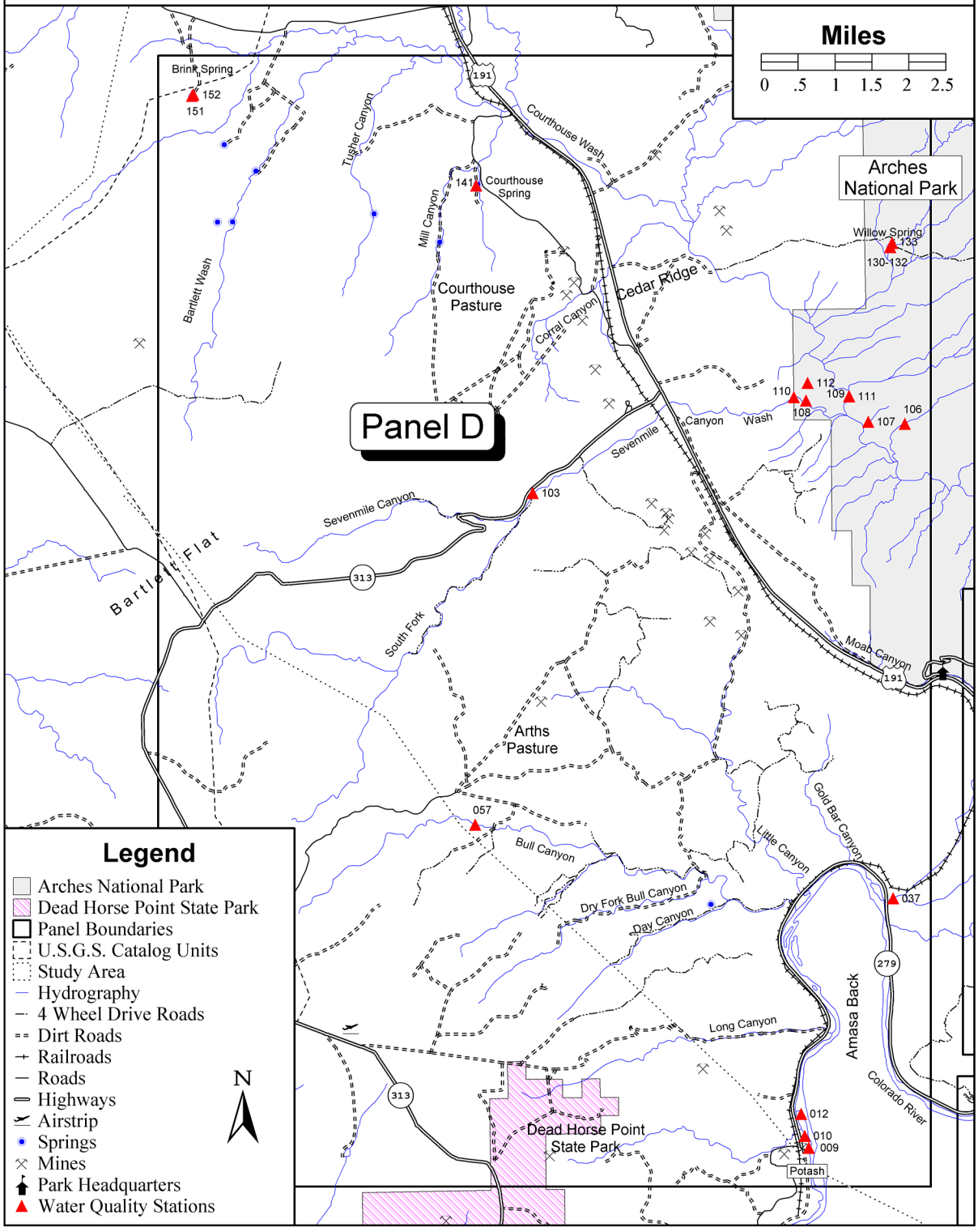
Water Quality Monitoring Locations




Arches National Park
Water Quality Monitoring Locations
Panel C
Legend
Panel Boundaries
Hydrography
4 Wheel Drive Roads
Dirt Roads
Roads
Highways
Springs
Water Quality Stations
N
North Fork Mill Creek
Mill Creek
Pack Creek
Spanish Valley
Johnsons Up On Top
191
027
028
029
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008
Miles
0 .2 .4 .6 .8

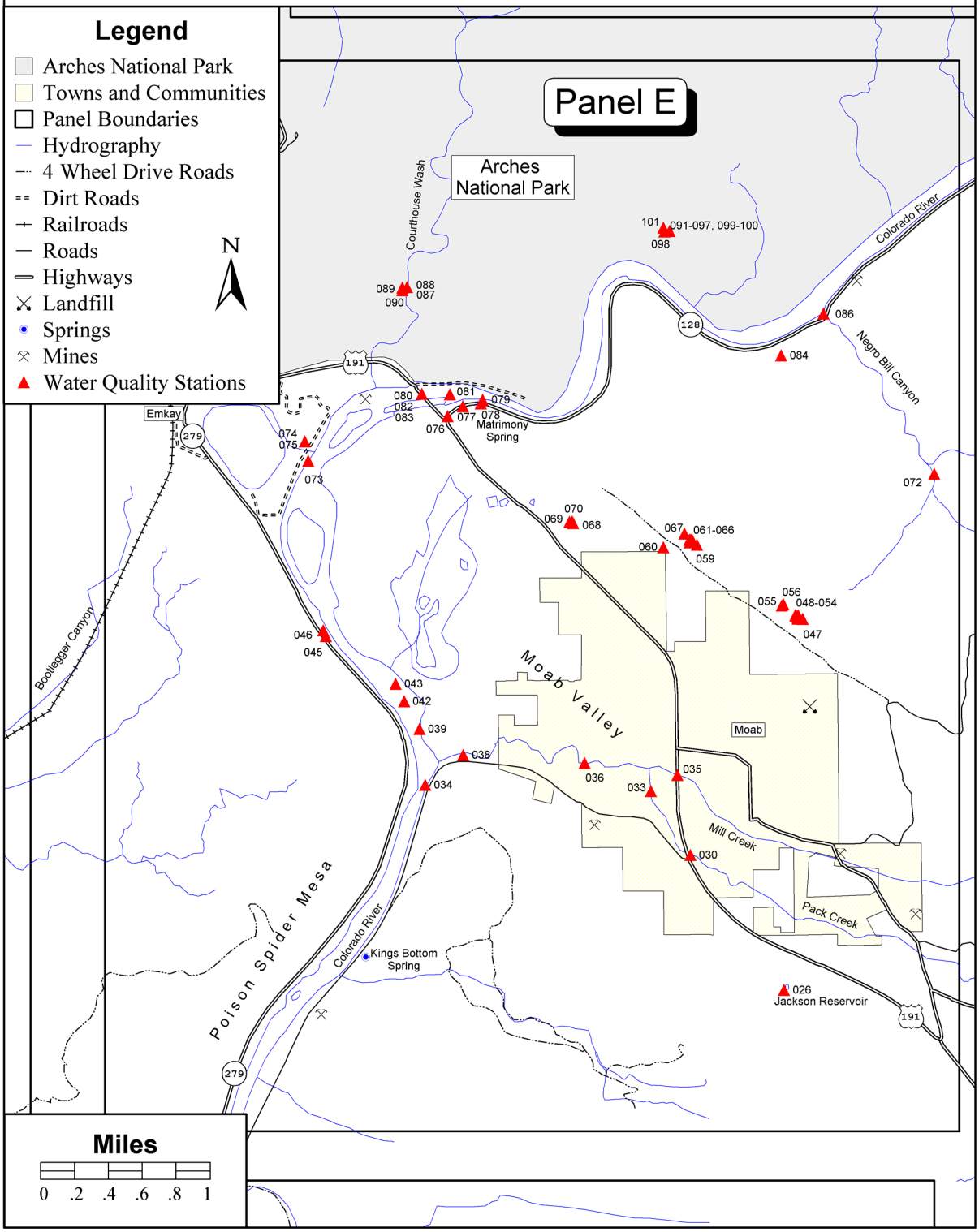
Arches National Park

Water Quality Monitoring Locations



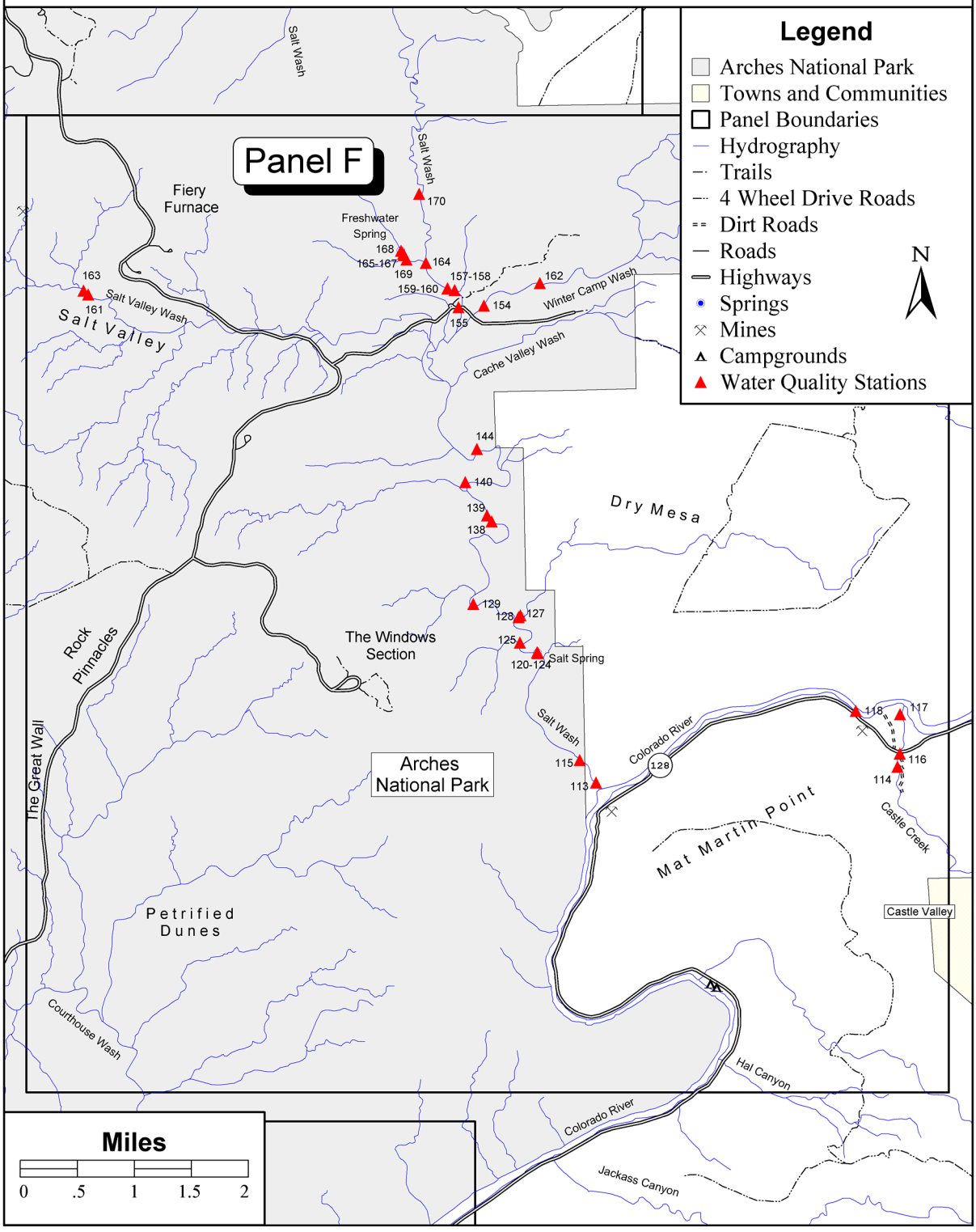
Arches National Park

Water Quality Monitoring Locations



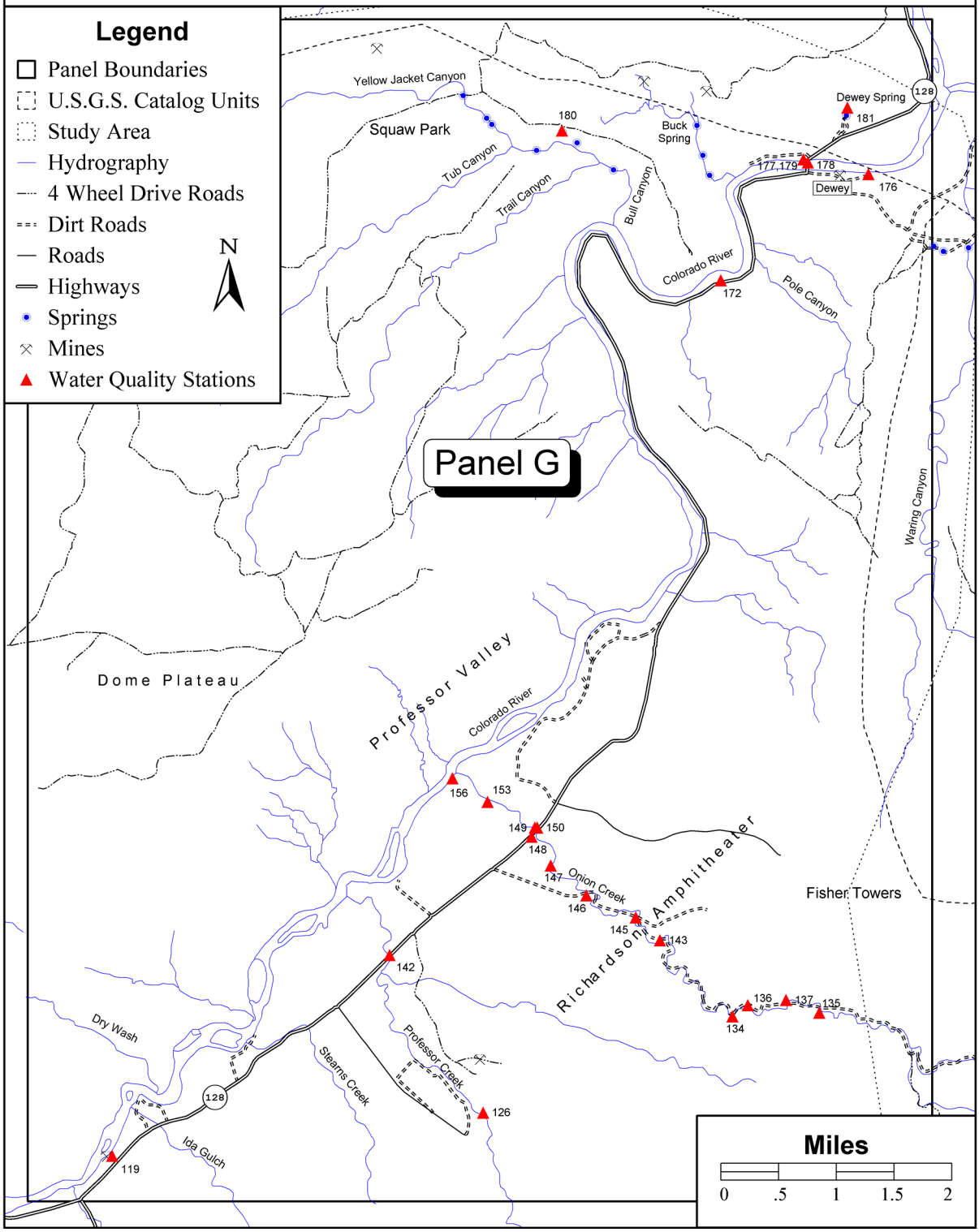
Arches National Park

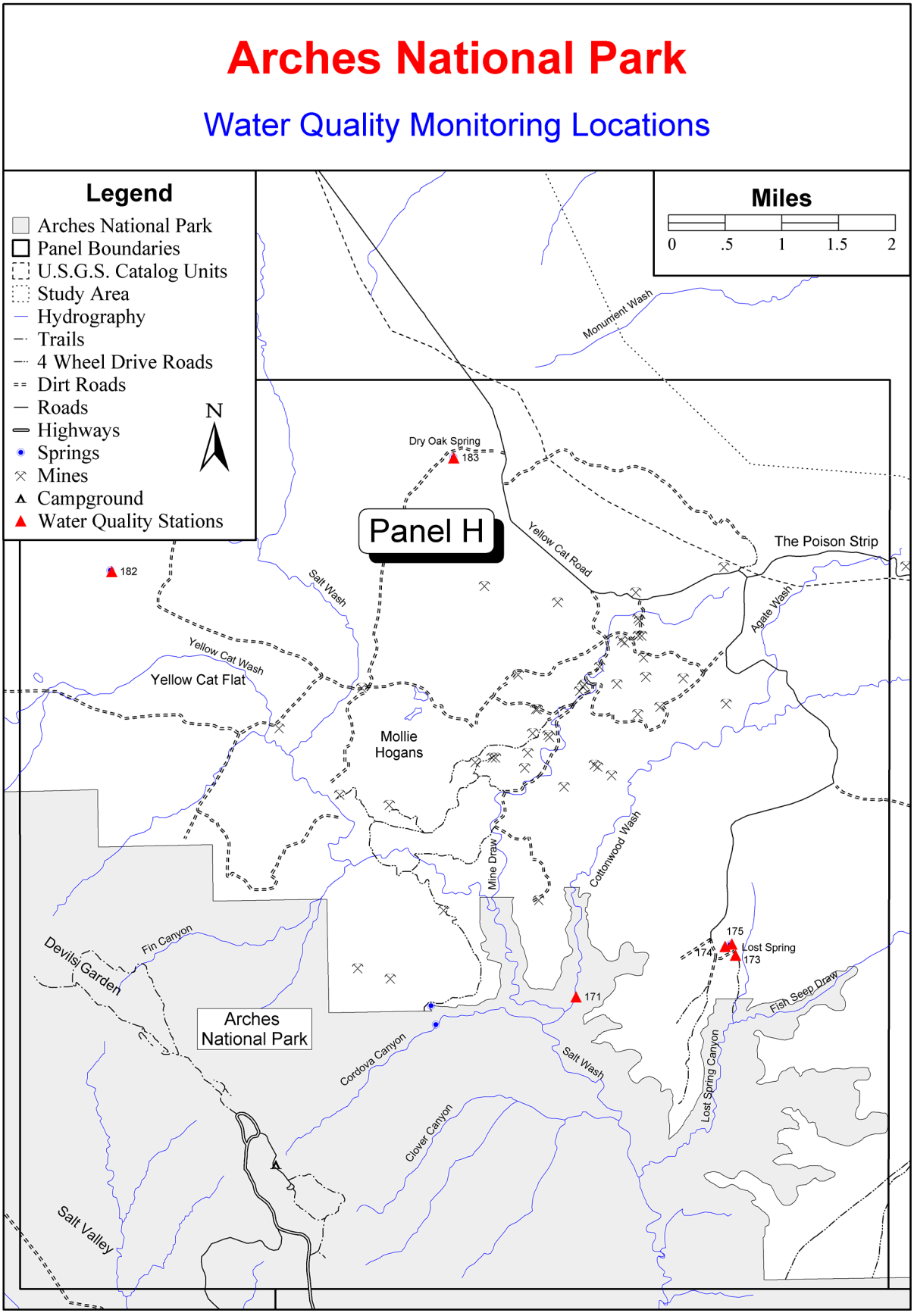
Water Quality Monitoring Locations



Arches National Park

Water Quality Monitoring Locations

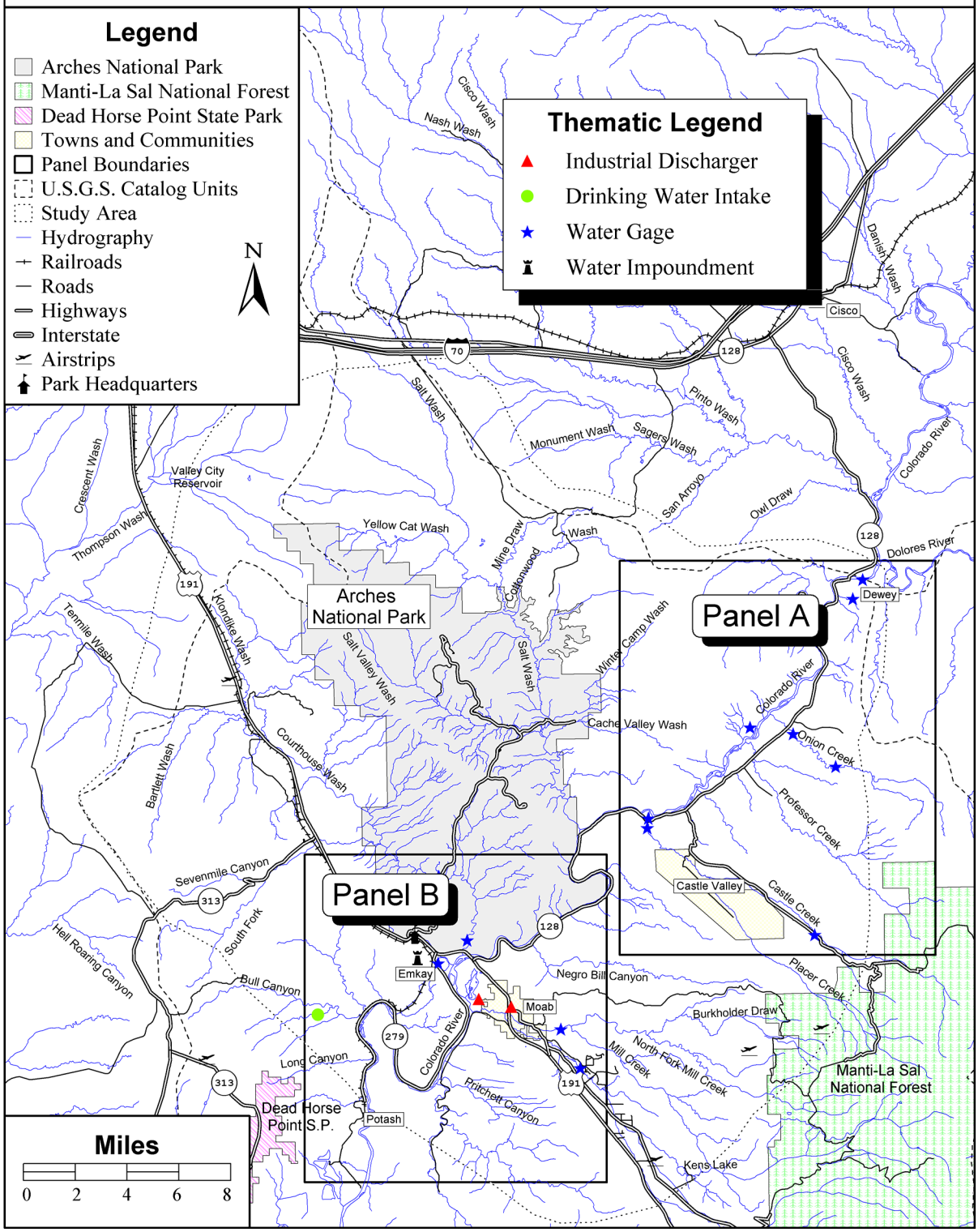



Arches National Park
Water Quality Monitoring Locations
Legend
Arches National Park
Panel Boundaries
U.S.G.S. Catalog Units
Study Area
Hydrography
Trails
4 Wheel Drive Roads
Dirt Roads
Roads
Highways
Springs
Mines
Campground
Water Quality Stations
N
Miles
0
.5
1
1.5
2
Monument Wash
Dry Oak Spring
183
Panel H
Yellow Cat Road
The Poison Strip
182
Salt Wash
Agate Wash
Yellow Cat Wash
Yellow Cat Flat
Mollie
Hogans
Mine Draw
Cottonwood Wash
Fin Canyon
Devils Garden
175
174
Lost Spring
173
171
Fish Seep Draw
Arches
National Park
Cordova Canyon
Salt Wash
Lost Spring Canyon
Clover Canyon
Salt Valley

Arches National Park

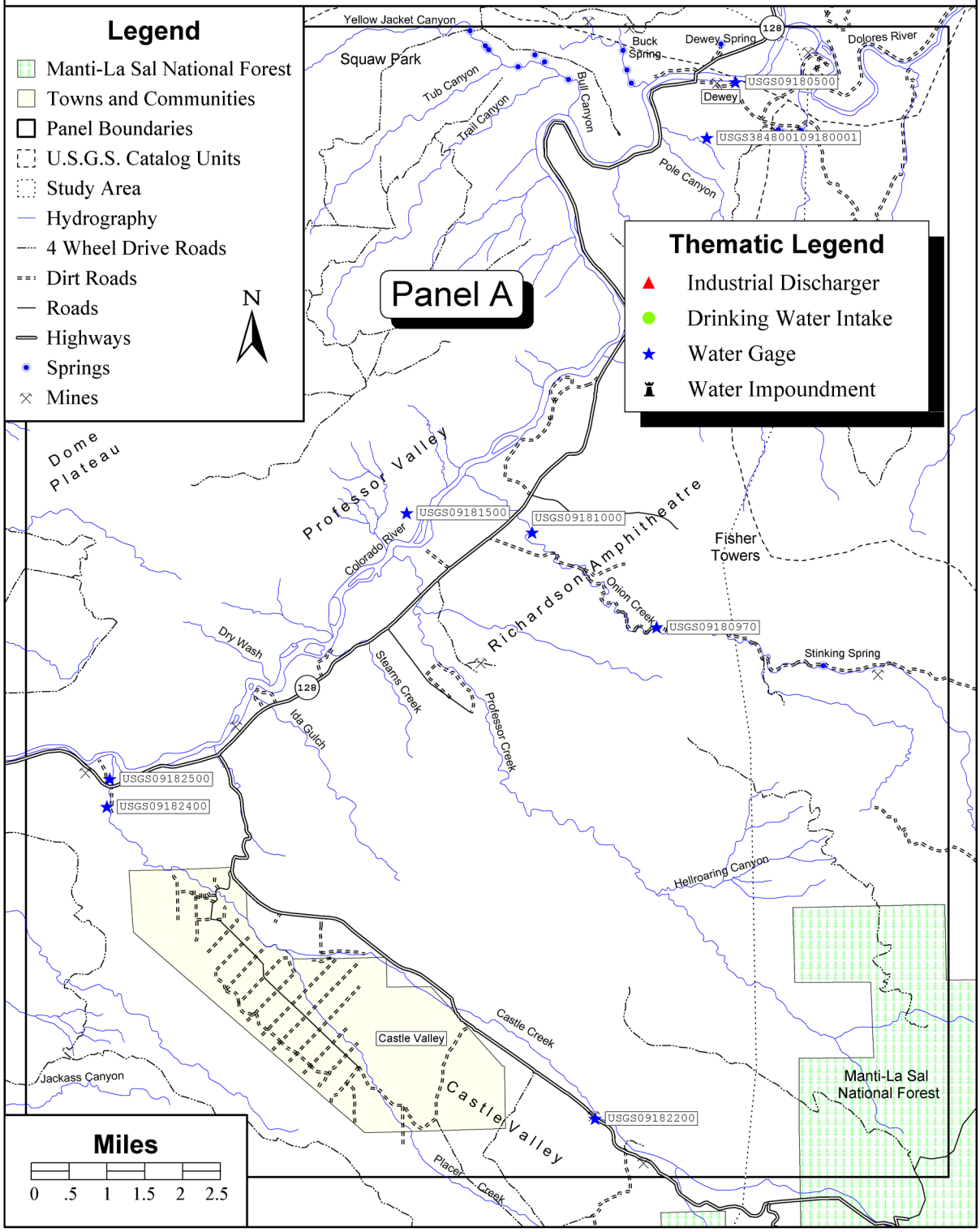
Dischargers, Drinking Intakes, Water Gages, & Water Impoundments

Graphic Panel Index



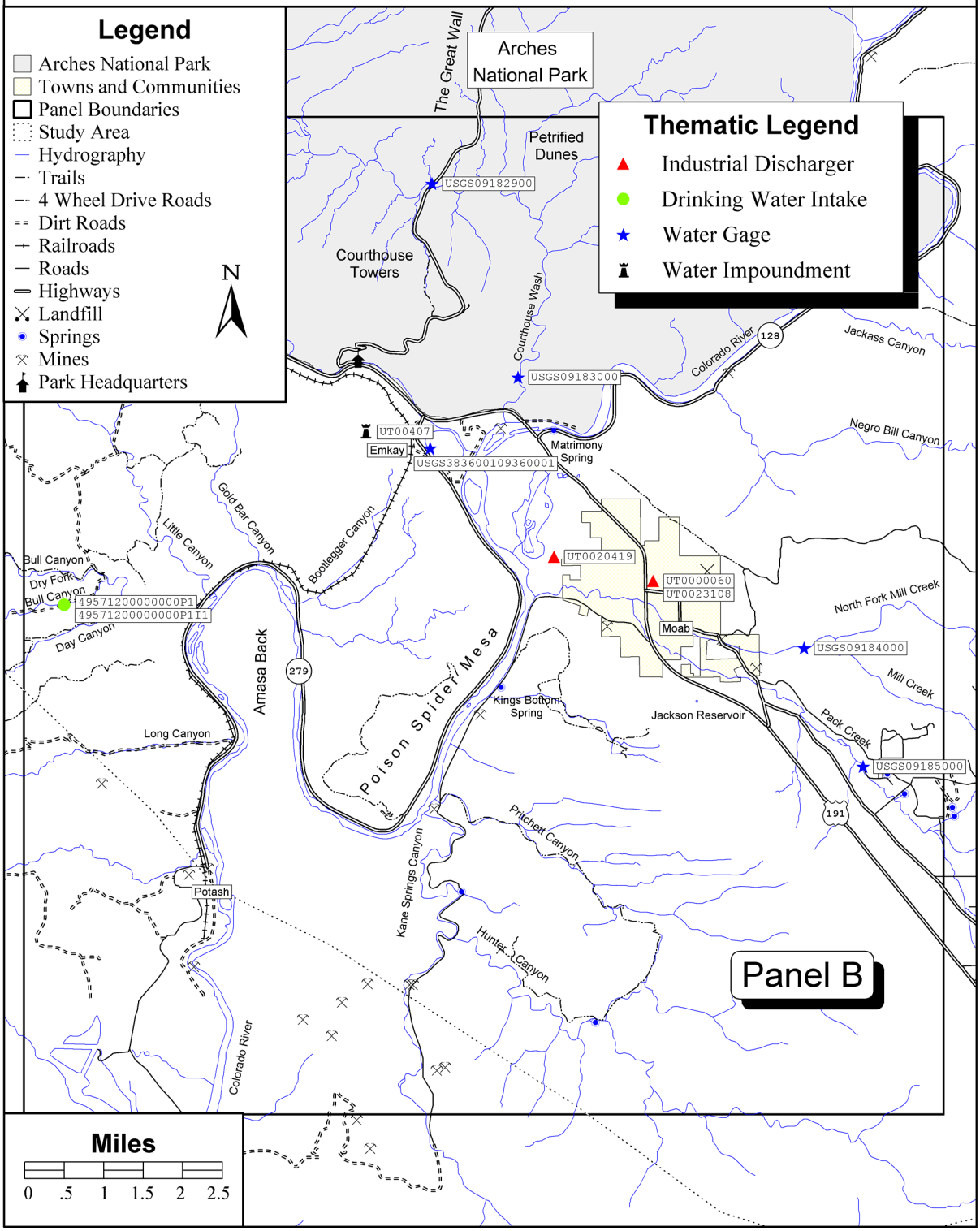
Arches National Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Arches National Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name
UT0000060	ATLAS MINERALS CO	2506 PRUDENTIAL PL AZA	DENVER	TR TO MILL C
UT0020419	MOAB CITY OF	150 EAST CENTER STREET	MOAB	COLORADO R
UT0023108	MOAB READY MIX CO	P O BOX 569	MOAB	

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
49571200000000P1	TREATMENT PLANT	MOAB	51	
49571200000000P1I1	COLORADO RIVER	MOAB	51	

Water Gages

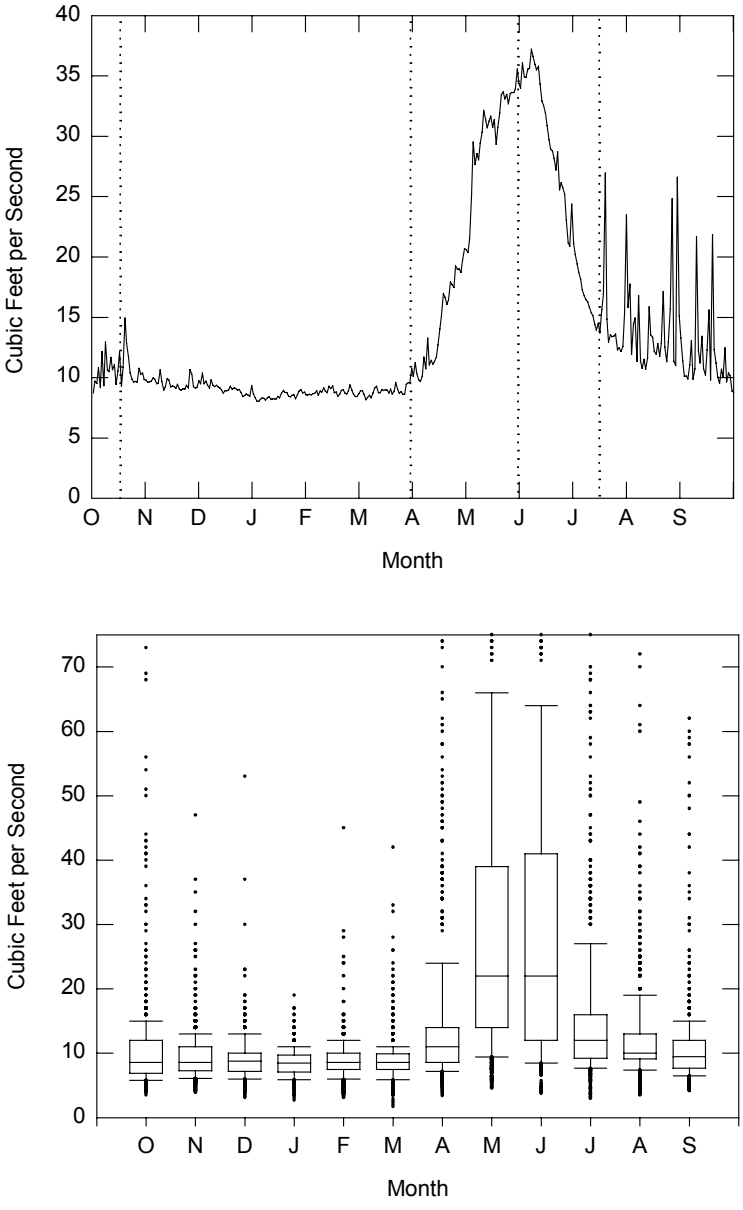
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS09180500	COLORADO RIVER NEAR CISCO UTAH	Stream	24100.0	1914	2002
USGS09181000	ONION CREEK NEAR MOAB, UTAH		18.80	1950	1955
USGS09181500	PROFESSOR CR NR MOAB, UT	Stream	33.60	1950	1953
USGS09182500	CASTLE CREEK NEAR MOAB, UTAH	Stream	53.10	1950	1958
USGS09183000	COURTHOUSE WASH NEAR MOAB, UTAH	Stream	162.00	1950	1989
USGS09184000	MILL CREEK NEAR MOAB, UTAH	Stream	74.90	1949	1994
USGS09185000	PACK CREEK NEAR MOAB, UTAH	Stream	57.40	1955	1959
USGS09180970	ONION CREEK BELOW ONION CRK BRIDGE NR MOAB, UT.	Stream	14.50	1979	1982
USGS09182200	Castle Cr. bl Castleton, near Moab, Ut.	Stream	17.60	1992	2001
USGS09182400	Castle Cr. bl Castle Valley near Moab, Ut.	Stream	58.10	1992	2001
USGS09182900	COURTHOUSE WASH AT ARCHES HWY CROSS NR MOAB, UT	Stream	143.00	1959	1966
USGS383600109360001	MOAB 4 NW, UTAH	Climate			
USGS384800109180001	DEWEY, UTAH	Climate			

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
UT00407	ATLAS MINERAL TAILINGS POND	ATLAS MINERALS	Other	Earth	Significant	1956

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

ARCHES NATIONAL PARK
Mill Creek near Moab, UT
09184000, 38 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 Arches National Park are: Jul. 15 to Oct. 14, Oct. 15 to Mar. 31, Apr. 1 to May 31, and Jun. 1 to Jul. 14.

CONTACTS FOR AGENCY CODES RETRIEVED FOR ARCH

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
21UTAH	DENTON, RICHARD	DEPT ENF QUALITY	(801)538-6146	
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
21UTDHDW	BOUSFIELD, KENNETH	UTAH DEPT OF HEALTH	(801)538-6159	
1118C030	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050	(800)424-9067
* DATA FOR 1118C030 HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (703)883-8861 ON 03/14/86.				
1110NET	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050	(800)424-9067
1118EPA8	MCCOMB, MARTY	USEPA REGION 8	(303)312-6963	
21UTWR	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	

QUANTITY OF DATA RETRIEVED FOR ARCH 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
11NPSWRD	NATIONAL PARK SERVICE	08/22/77-05/05/90	06/22/78-05/05/90	92	43	7	7	0	0	9492	4039	152	139
21UTAH	DEPT ENF QUALITY	01/28/75-12/21/99	08/20/90-12/08/99	46	8	25	5	0	0	37847	4094	187	63
112WRD	US GEOLOGICAL SURVEY	10/01/28-08/26/96	09/15/70-08/31/89	34	6	4	0	0	0	52554	840	336	41
21UTDHDW	UTAH DEPT OF HEALTH	04/01/64-02/06/90	No Data in Park	4	0	0	0	0	0	906	0	111	0
1118C030	USEPA HQ	12/11/61-06/30/72	No Data in Park	2	0	2	0	0	0	2441	0	56	0
1110NET	USEPA HQ	07/09/71-09/22/81	No Data in Park	2	0	2	0	0	0	1089	0	27	0
1118EPA8	USEPA REGION 8	11/22/74-03/24/77	No Data in Park	2	0	0	0	0	0	94	0	28	0
21UTWR	USEPA HQ	10/15/71-04/04/72	No Data in Park	1	0	0	0	0	0	115	0	23	0
Totals		10/01/28-12/21/99	09/15/70-12/08/99	183	57	40	12	0	0	104538	8973	651	202

[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 10/01/28 To 12/21/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75
ARCH0001[1]	MILL CREEK AB KENS LAKE	No	191	191	0	0
ARCH0002[1]	KENS LAKE 001 AB DAM	No	792	792	0	0
ARCH0003	PRITCHETT CANYON SPRING #2	No	17	0	17	0
ARCH0004	PRITCHETT CANYON SPRING #1	No	17	0	17	0
ARCH0005	KANE CANYON CK AT MINE ROAD XING	No	49	0	49	0
ARCH0006	HUNTER CANYON CK AT MOUTH	No	131	0	131	0
ARCH0007	C17008	No	17	0	17	0
ARCH0008	C17437	No	17	0	17	0
ARCH0009[1]	TEXAS-GULF SULFUR WWTP	No	272	0	272	0
ARCH0010[1]	COLORADO RIVER 300 YD AB MOAB SALT INTAKE 02	No	756	724	32	0
ARCH0011	C16916	No	17	0	17	0
ARCH0012[1]	COLORADO R 1/4 MI AB MOAB SALT INTAKE 01	No	767	767	0	0
ARCH0013	(D-26-22)22AAD-S1	No	22	22	0	0
ARCH0014	MOAB - SPRING #3	No	263	124	139	0
ARCH0015[1]	KANE CANYON CK AT MOUTH	No	455	368	87	0
ARCH0016	(D-26-22)22AAA-S1	No	27	27	0	0
ARCH0017	MOAB - SPRING #2	No	157	124	33	0
ARCH0018	C16918	No	17	0	17	0
ARCH0019	(D-26-22)14ACC-S1	No	32	0	0	32
ARCH0020	CITY SPRING #1 (D-26-22) 15CDC-S1	No	40	40	0	0
ARCH0021	(D-26-22)15CDC-S1	No	22	22	0	0
ARCH0022	MOAB - SPRING #1	No	288	125	142	21
ARCH0023	MCCONKIE SPRING (D-26-22) 15CBB-S2	No	52	52	0	0
ARCH0024	(D-26-22)15CBB-S1	No	30	0	0	30
ARCH0025	C17295	No	17	0	17	0
ARCH0026	(D-26-22) 7CCA-S1	No	30	0	0	30
ARCH0027[1]	MILL CREEK NEAR MOAB, UTAH	No	883	243	486	154
ARCH0028	SOUTH FK MILL CK	No	77	77	0	0
ARCH0029	C17015	No	17	0	17	0
ARCH0030[1]	PACK CK AT U91 XING	No	528	377	151	0
ARCH0031	N FK MILL CK AT MOUTH	No	26	0	26	0
ARCH0032	C16913	No	17	0	17	0
ARCH0033	PACK CK BL CNFL / MILL CK AT 500W XING IN MOAB	No	106	0	106	0
ARCH0034[1]	COLORADO R BL MOAB WWTP OUTFALL	No	643	427	216	0
ARCH0035[1]	MILL CK AT U191 XING	No	703	703	0	0
ARCH0036[1]	MILL CK BL CNFL / PACK CK	No	1025	0	1025	0
ARCH0037	C17001	No	17	0	17	0
ARCH0038	MOAB READY MIX-MILL CK-300YARDS AB COLO R.	No	31	31	0	0
ARCH0039[1]	COLORADO R ABOVE MILL CREEK NEAR MOAB, UTAH	No	3806	0	3302	504
ARCH0040	C17298	No	17	0	17	0
ARCH0041	C17433	No	17	0	17	0
ARCH0042[1]	MOAB WWTP	No	2942	1762	1180	0
ARCH0043[1]	COLORADO RIVER DWS OF MOAB	No	1328	0	0	1328
ARCH0044	C17296	No	17	0	17	0
ARCH0045[1]	COLO R AB MILL CK NR MOAB	No	561	0	294	267
ARCH0046[1]	COLORADO R BL ATLAS MILL TAILINGS PILE	No	766	766	0	0
ARCH0047	POTHOLE SAMPLING SITE SF-2	No	126	126	0	0
ARCH0048	POTHOLE SAMPLING SITE SF-8	No	581	581	0	0
ARCH0049	POTHOLE SAMPLING SITE SF-12A	No	120	120	0	0
ARCH0050	POTHOLE SAMPLING SITE SF-13	No	539	539	0	0
ARCH0051	POTHOLE SAMPLING SITE SF-12B	No	600	600	0	0
ARCH0052	POTHOLE SAMPLING SITE SF-9B	No	59	59	0	0
ARCH0053	POTHOLE SAMPLING SITE SF-9A	No	126	126	0	0
ARCH0054	POTHOLE SAMPLING SITE SF-10B	No	597	597	0	0
ARCH0055	POTHOLE SAMPLING SITE SF-18	No	128	128	0	0
ARCH0056	POTHOLE SAMPLING SITE SF-19	No	474	474	0	0
ARCH0057	C17580	No	17	0	17	0
ARCH0058	C17297	No	17	0	17	0
ARCH0059	POTHOLE SAMPLING SITE MV-5	No	130	130	0	0
ARCH0060	POTHOLE SAMPLING SITE MV-25	No	253	253	0	0
ARCH0061	POTHOLE SAMPLING SITE MV-14A	No	132	132	0	0
ARCH0062	POTHOLE SAMPLING SITE MV-11	No	190	190	0	0
ARCH0063	POTHOLE SAMPLING SITE MV-43	No	92	92	0	0
ARCH0064	POTHOLE SAMPLING SITE MV-14B	No	186	186	0	0
ARCH0065	POTHOLE SAMPLING SITE MV-35	No	279	279	0	0
ARCH0066	POTHOLE SAMPLING SITE MV-13	No	285	285	0	0
ARCH0067	POTHOLE SAMPLING SITE MV-20	No	60	60	0	0
ARCH0068	SKAKEL SPRING (D-25-21) 35ADD-S1	No	51	51	0	0
ARCH0069	MOAB - SKAKEL SPR(FUR)	No	198	93	105	0
ARCH0070	(D-25-21)35AAA-S1	No	52	22	0	30
ARCH0071	C17431	No	17	0	17	0

Station Period of Record Tabulation
From 10/01/28 To 12/21/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75
ARCH0072	C17013	No	17	0	17	0
ARCH0073[1]	ATLAS MILL TAILINGS PILE SEEP	No	623	623	0	0
ARCH0074	ATLAS MINERALS MOAB UT	No	84	0	78	6
ARCH0075	ATLAS MINERALS MOAB UTAH	No	10	0	6	4
ARCH0076	(D-25-21)26BDC-S1	No	18	0	0	18
ARCH0077	(D-25-21)26BDC-S1	No	20	20	0	0
ARCH0078	MATRIMONY SPRING NEAR MOAB (BLM)	No	41	41	0	0
ARCH0079	C16998	No	17	0	17	0
ARCH0080[1]	COLO R AT HIWY 160 NORTH OF MOAB	No	528	0	268	260
ARCH0081[1]	COLORADO R AT US191 XING NEAR MOAB	No	6710	3971	2739	0
ARCH0082[1]	COLORADO RIVER AT HIGHWAY BRIDGE NR MOAB, UT	No	2959	0	2484	475
ARCH0083[1]	COLO R AT HIWY 160 NORTH OF MOAB	No	1113	0	0	1113
ARCH0084	C17010	No	17	0	17	0
ARCH0085	CASTLE VALLEY CK AT CASTLETON	No	71	0	71	0
ARCH0086[1]	NEGRO BILL CANYON CK AT MOUTH	No	1354	488	866	0
ARCH0087	COURTHOUSE WASH NEAR MOAB, UTAH	Yes	677	136	431	110
ARCH0088	COURTHOUSE WASH POOL NEXT TO GAUGING STATION	Yes	9	0	9	0
ARCH0089[1]	COURTHOUSE WASH .5MI AB COLORADO R AT USGS CW-1	Yes	886	886	0	0
ARCH0090[1]	COURTHOUSE WASH .5 MI AB COLORADO R AT USGS	Yes	169	159	10	0
ARCH0091	POTHOLE SAMPLING SITE TF-4	Yes	224	224	0	0
ARCH0092	POTHOLE SAMPLING SITE TF-7	Yes	294	294	0	0
ARCH0093	POTHOLE SAMPLING SITE TF-2	Yes	294	294	0	0
ARCH0094	POTHOLE SAMPLING SITE MF-9	Yes	64	64	0	0
ARCH0095	POTHOLE SAMPLING SITE TF-11	Yes	291	291	0	0
ARCH0096	POTHOLE SAMPLING SITE MF-5	Yes	224	224	0	0
ARCH0097	POTHOLE SAMPLING SITE MF-6	Yes	290	290	0	0
ARCH0098	POTHOLE SAMPLING SITE DL-14A	Yes	287	287	0	0
ARCH0099	POTHOLE SAMPLING SITE MF-8	Yes	293	293	0	0
ARCH0100	POTHOLE SAMPLING SITE TF-14	Yes	285	285	0	0
ARCH0101	POTHOLE SAMPLING SITE DL-11	Yes	287	287	0	0
ARCH0102	C17421	No	17	0	17	0
ARCH0103	SEVEN MILE SPRING	No	16	0	16	0
ARCH0104	C17415	No	17	0	17	0
ARCH0105	C17416	No	17	0	17	0
ARCH0106	(D-25-21) 5ABB-S1	Yes	35	0	0	35
ARCH0107	(D-25-21) 5BBB-S1	Yes	33	0	0	33
ARCH0108[1]	SEVEN-MILE CYN SPG .75 MI AB COURTHOUSE WASH	Yes	104	104	0	0
ARCH0109[1]	SLEEPY HOLLOW SPRING IN UPPER COURTHOUSE WASH	Yes	133	133	0	0
ARCH0110	SEVEN-MILE CYN SPG .75MI AB COURTHOUSE WASH SM-1	Yes	120	120	0	0
ARCH0111[1]	SLEEPY HOLLOW SPRING IN UPPER COURTHOUSE WASH SH	Yes	807	807	0	0
ARCH0112	(D-24-21)31DAB-S1	Yes	31	0	0	31
ARCH0113	SALT WASH 300 FEET FROM COLORADO RIVER	No	5	5	0	0
ARCH0114	C17339	No	17	0	17	0
ARCH0115	SALT WASH 100 FT. UPSTREAM OF PARK BOUNDARY	Yes	10	0	10	0
ARCH0116	CASTLE CK AT U128 XING	No	378	378	0	0
ARCH0117[1]	CASTLE VALLEY CK AT WHITE RANCH	No	751	0	751	0
ARCH0118	COLORADO R BL CASTLE VALLEY	No	266	0	266	0
ARCH0119	COLORADO RIVER AND HIGHWAY 128	No	115	0	0	115
ARCH0120	SALT SPG 1.5MI E/NE OF WINDOWS PARKING AREA SW-5	Yes	121	121	0	0
ARCH0121[1]	SALT SPG 1.5 MI E/NE OF WINDOWS PARKING AREA	Yes	99	99	0	0
ARCH0122	SALT SPRING	Yes	5	0	5	0
ARCH0123	SALT SPRING	Yes	5	5	0	0
ARCH0124	SALT SPRING	Yes	10	0	10	0
ARCH0125	SALT WASH 300 FEET US OF SALT SPRING	Yes	5	5	0	0
ARCH0126[1]	PROFESSOR CK AT DIVERSION	No	785	0	785	0
ARCH0127	POOL 2B AT UNNAMED SPRING DS OF WALL SPRING	Yes	4	4	0	0
ARCH0128	POOL 1B AT UNNAMED SPRING DS OF WALL SPRING	Yes	4	4	0	0
ARCH0129	WALL SPRING	Yes	9	9	0	0
ARCH0130[1]	WILLOW SPRING WS-1	Yes	571	571	0	0
ARCH0131[1]	WILLOW SPRING	Yes	150	142	8	0
ARCH0132	WILLOW SPRING	Yes	9	0	9	0
ARCH0133	(D-24-21)20CAD-S1	Yes	31	0	0	31
ARCH0134	ONION CREEK SEEP SITE NUMBER 19.	No	27	0	27	0
ARCH0135	ONION CREEK SEEP SITE NUMBER 15.	No	29	0	29	0
ARCH0136	ONION CREEK BELOW ONION CRK BRIDGE NR MOAB, UT.	No	373	0	373	0
ARCH0137	ONION CREEK SITE NUMBER 17	No	190	0	190	0
ARCH0138	POOL 2A AT UNNAMED SPRING US OF WALL SPRING	Yes	5	5	0	0
ARCH0139	POOL 1A AT UNNAMED SPRING US OF WALL SPRING	Yes	5	5	0	0
ARCH0140	LOWER SALT WASH	Yes	5	0	5	0
ARCH0141	C17502	No	17	0	17	0
ARCH0142	PROFESSOR CK AB CNFL / COLO R AT RD XING	No	29	0	29	0

Station Period of Record Tabulation
From 10/01/28 To 12/21/99

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75
ARCH0143	ONION CREEK SEEP SITE NUMBER 22.	No	29	0	29	0
ARCH0144	SALT WASH	Yes	9	0	9	0
ARCH0145[1]	ONION CK AT LOWER STATION	No	508	40	468	0
ARCH0146	ONION CREEK SITE NUMBER 24	No	29	0	29	0
ARCH0147	C17213	No	17	0	17	0
ARCH0148	ONION CREEK SEEP SITE NUMBER 26	No	27	0	27	0
ARCH0149	ONION CREEK NEAR MOUTH AT UTAH H	No	112	0	112	0
ARCH0150	ONION CREEK AT U128 XING	No	378	378	0	0
ARCH0151	(D-24-19)10DCD-S1	No	27	27	0	0
ARCH0152	C17515	No	17	0	17	0
ARCH0153	ONION CREEK SITE #28	No	29	0	29	0
ARCH0154	C17191	Yes	16	0	16	0
ARCH0155	SALT WASH AT WOLFE RANCH RD XING SW-3	Yes	321	321	0	0
ARCH0156	ONION CREEK SEEP SITE NUMBER 30	No	29	0	29	0
ARCH0157[1]	SALT WASH AT WOLFE RANCH RD XING	Yes	183	170	13	0
ARCH0158	SALT WASH AT ROAD TO DELICATE ARCH VIEW PT.	Yes	9	0	9	0
ARCH0159	SALT WASH UPSTREAM OF WOLFE RANCH	Yes	4	4	0	0
ARCH0160	SALT WASH AT WOLFE CABIN	Yes	7	0	7	0
ARCH0161[1]	SALT VALLEY WASH SPG 1MI SW OF FIERY FURNACE SVW	Yes	372	372	0	0
ARCH0162	(D-24-22) 8ABA-S1	Yes	33	0	0	33
ARCH0163	SALT VALLEY WASH SPG 1 MI SW OF FIERY FURNACE	Yes	30	30	0	0
ARCH0164	SALT WASH 100 FT BELOW CONFL. OF FRESH WTR CNYN	Yes	10	0	10	0
ARCH0165[1]	FRESHWATER SPG IN SALT WASH .5 MI AB RD XING	Yes	156	143	13	0
ARCH0166	FRESH WATER SPRING	Yes	9	0	9	0
ARCH0167	FRESHWATER CANYON LOWER POOL	Yes	5	0	5	0
ARCH0168	FRESHWATER CANYON UPPER POOL	Yes	3	0	3	0
ARCH0169[1]	FRESHWATER SPG IN SALT WASH .5MI AB RD XING SW-1	Yes	896	896	0	0
ARCH0170	SALT WASH	Yes	9	0	9	0
ARCH0171	C17682	Yes	16	0	16	0
ARCH0172	COLO R AT TIRE ISLAND	No	170	0	170	0
ARCH0173	C17663	No	16	0	16	0
ARCH0174	LOST SPRING	No	143	143	0	0
ARCH0175	(D-23-22)17CAB-S1	No	31	31	0	0
ARCH0176[1]	COLORADO R NEAR CISCO AB DEWEY BRIDGE	No	2612	0	2612	0
ARCH0177[1]	COLORADO RIVER NEAR CISCO UTAH	No	42751	3559	5369	33823
ARCH0178[1]	COLO R AT DEWEY BRIDGE	No	8526	4945	3581	0
ARCH0179	COLORADO R AB RAFT PUT IN	No	5	5	0	0
ARCH0180	(D-23-23)11DBC-S1	No	27	27	0	0
ARCH0181	(D-23-24) 8CBB-S1	No	77	0	0	77
ARCH0182	(D-22-21)32AAC-S1	No	26	26	0	0
ARCH0183	C17592	No	17	0	17	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 10/01/28 To 12/21/99

Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	47	37	0	10	20	10
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	11	0	0	11	3	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	2728	1092	1107	529	164	55
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	3	0	3	0	2	0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	678	293	333	52	26	9
00023	SAMPLE WEIGHT IN POUNDS	5	0	0	5	1	0
00025	BAROMETRIC PRESSURE (MM OF HG)	115	87	28	0	1	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	678	225	291	162	31	6
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	788	225	401	162	33	6
00049	SURFACE AREA IN SQUARE MILES	404	0	0	404	1	0
00058	FLOW, RATE GALLONS/MIN	46	41	4	1	12	6
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	16	6	0	10	12	7
00060	FLOW, STREAM, MEAN DAILY CFS	2192	0	25	2167	5	1
00061	FLOW, STREAM, INSTANTANEOUS CFS	1507	547	802	158	54	16
00065	STAGE, STREAM (FEET)	29	13	16	0	1	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	126	0	103	23	3	0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	999	564	435	0	52	8
00078	TRANSPARENCY, SECCHI DISC (METERS)	11	11	0	0	1	0
00080	COLOR (PLATINUM-COBALT UNITS)	4	0	0	4	1	0
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	4	4	0	0	4	4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	1082	771	311	0	75	38
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3342	734	1028	1580	135	27
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	531	531	0	0	31	8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	21	8	13	0	20	19
00300	OXYGEN, DISSOLVED MG/L	1398	769	568	61	50	16
00310	BOD, 5 DAY, 20 DEG C MG/L	373	158	215	0	17	0
00311	BOD, DISSOLVED, 5 DAY MG/L	1	1	0	0	1	0
00335	COD, .025N K2CR2O7 MG/L	400	114	286	0	23	1
00340	COD, .25N K2CR2O7 MG/L	128	0	107	21	2	0
00400	PH (STANDARD UNITS)	2372	677	684	1011	115	22
00403	PH, LAB, STANDARD UNITS SU	159	89	69	1	16	0
00405	CARBON DIOXIDE (MG/L AS CO2)	1305	537	633	135	52	9
00406	PH, FIELD, STANDARD UNITS SU	1113	797	316	0	89	41
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	2423	650	577	1196	80	26
00417	ALKALINITY,FIXED ENDPOINT TITRATION, USGS LAB MG/L	1	1	0	0	1	0
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	105	105	0	0	26	11
00440	BICARBONATE ION (MG/L AS HCO3)	2553	551	522	1480	67	13
00445	CARBONATE ION (MG/L AS CO3)	1118	537	204	377	56	13
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	47	47	0	0	1	0
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	47	47	0	0	1	0
00480	SALINITY - PARTS PER THOUSAND	9	4	5	0	9	9
00510	RESIDUE, TOTAL FIXED (MG/L)	16	16	0	0	2	0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	78	0	0	78	2	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	1100	625	436	39	48	8
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	1	0	1	0	1	0
00560	OIL & GREASE (FREON EXTR.-IR METHOD) TOT,REC,MG/L	12	11	1	0	2	0
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	6	0	6	0	1	0
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	6	0	6	0	1	0
00600	NITROGEN, TOTAL (MG/L AS N)	194	0	171	23	3	0
00602	NITROGEN, DISSOLVED (MG/L AS N)	19	0	19	0	1	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	179	0	160	19	3	0
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	19	0	19	0	1	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	106	67	39	0	2	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1159	573	567	19	46	8
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	97	96	0	1	5	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	311	98	211	2	25	1
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	167	46	1	120	7	1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	556	241	312	3	72	28
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	36	4	32	0	1	0
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	29	0	29	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	884	323	538	23	40	8
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	575	105	447	23	31	6
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	483	362	85	36	39	8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	8	0	5	3	3	0
00655	PHOSPHATE, POLY (MG/L AS PO4)	67	64	3	0	8	8
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	72	0	17	55	9	6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	1071	515	533	23	41	8
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	387	303	84	0	38	8
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	186	121	34	31	7	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	521	115	385	21	23	1
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	14	2	12	0	1	0

Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12	1	11	0	1	0
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	24	0	24	0	2	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	2667	601	615	1451	95	30
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	1554	0	183	1371	24	5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	2660	605	648	1407	113	15
00916	CALCIUM, TOTAL (MG/L AS CA)	95	95	0	0	29	11
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	37	37	0	0	18	10
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	37	37	0	0	18	10
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	2660	605	648	1407	113	15
00927	MAGNESIUM, TOTAL (MG/L AS MG)	99	99	0	0	29	11
00929	SODIUM, TOTAL (MG/L AS NA)	100	100	0	0	30	11
00930	SODIUM, DISSOLVED (MG/L AS NA)	2458	594	619	1245	84	13
00931	SODIUM ADSORPTION RATIO	1464	6	223	1235	25	5
00932	SODIUM, PERCENT	1325	6	223	1096	16	1
00933	SODIUM,PLUS POTASSIUM (MG/L)	243	0	32	211	15	0
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	37	37	0	0	18	10
00935	POTASSIUM, DISSOLVED (MG/L AS K)	2229	595	619	1015	84	13
00937	POTASSIUM, TOTAL MG/L AS K)	95	95	0	0	29	11
00940	CHLORIDE,TOTAL IN WATER MG/L	1954	236	241	1477	80	31
00941	CHLORIDE, DISSOLVED IN WATER MG/L	891	511	379	1	50	8
00945	SULFATE, TOTAL (MG/L AS SO4)	1972	245	254	1473	81	33
00946	SULFATE, DISSOLVED (MG/L AS SO4)	892	512	379	1	50	8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	710	118	404	188	59	5
00951	FLUORIDE, TOTAL (MG/L AS F)	95	95	0	0	29	11
00955	SILICA, DISSOLVED (MG/L AS SI02)	1836	94	490	1252	61	5
01000	ARSENIC, DISSOLVED (UG/L AS AS)	389	243	138	8	56	11
01001	ARSENIC, SUSPENDED (UG/L AS AS)	17	0	16	1	1	0
01002	ARSENIC, TOTAL (UG/L AS AS)	150	119	30	1	39	11
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	37	37	0	0	18	10
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	5	0	0	5	1	0
01005	BARIUM, DISSOLVED (UG/L AS BA)	336	244	91	1	46	6
01006	BARIUM, SUSPENDED (UG/L AS BA)	16	0	16	0	1	0
01007	BARIUM, TOTAL (UG/L AS BA)	136	111	25	0	36	11
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	37	37	0	0	18	10
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	68	57	11	0	5	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	100	100	0	0	32	11
01017	BISMUTH, TOTAL (UG/L AS BI)	95	95	0	0	29	11
01020	BORON, DISSOLVED (UG/L AS B)	1033	23	308	702	39	5
01022	BORON, TOTAL (UG/L AS B)	96	95	0	1	30	11
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	2	0	2	0	2	0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	408	229	154	25	43	6
01026	CADMIUM, SUSPENDED (UG/L AS CD)	12	0	11	1	1	0
01027	CADMIUM, TOTAL (UG/L AS CD)	151	111	39	1	39	11
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	37	37	0	0	18	10
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	424	227	173	24	69	8
01031	CHROMIUM, SUSPEND (UG/L AS CR)	18	0	17	1	1	0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	223	7	216	0	22	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	154	114	39	1	41	11
01035	COBALT, DISSOLVED (UG/L AS CO)	105	39	65	1	30	2
01036	COBALT, SUSPENDED (UG/L AS CO)	12	0	11	1	1	0
01037	COBALT, TOTAL (UG/L AS CO)	116	95	20	1	30	11
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	37	37	0	0	18	10
01040	COPPER, DISSOLVED (UG/L AS CU)	465	230	204	31	77	13
01041	COPPER, SUSPENDED (UG/L AS CU)	20	0	19	1	1	0
01042	COPPER, TOTAL (UG/L AS CU)	224	176	43	5	50	19
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	37	37	0	0	18	10
01044	IRON, SUSPENDED (UG/L AS FE)	8	0	8	0	1	0
01045	IRON, TOTAL (UG/L AS FE)	213	158	34	21	45	20
01046	IRON, DISSOLVED (UG/L AS FE)	524	245	245	34	97	12
01049	LEAD, DISSOLVED (UG/L AS PB)	435	229	181	25	71	8
01050	LEAD, SUSPENDED (UG/L AS PB)	17	0	16	1	1	0
01051	LEAD, TOTAL (UG/L AS PB)	155	111	39	5	41	11
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	37	37	0	0	18	10
01054	MANGANESE, SUSPENDED (UG/L AS MN)	20	0	19	1	1	0
01055	MANGANESE, TOTAL (UG/L AS MN)	215	167	42	6	52	19
01056	MANGANESE, DISSOLVED (UG/L AS MN)	486	236	224	26	80	8
01057	THALLIUM, DISSOLVED (UG/L AS TL)	27	27	0	0	3	0
01059	THALLIUM, TOTAL (UG/L AS TL)	5	5	0	0	3	0
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	104	66	38	0	32	2
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	100	100	0	0	32	11
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	37	37	0	0	18	10

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Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01065	NICKEL, DISSOLVED (UG/L AS NI)	200	70	129	1	50	2
01066	NICKEL, SUSPENDED (UG/L AS NI)	8	0	8	0	1	0
01067	NICKEL, TOTAL (UG/L AS NI)	141	103	38	0	40	11
01075	SILVER, DISSOLVED (UG/L AS AG)	335	235	100	0	39	6
01076	SILVER, SUSPENDED (UG/L AS AG)	12	0	12	0	1	0
01077	SILVER, TOTAL (UG/L AS AG)	160	111	49	0	37	11
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	37	37	0	0	18	10
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	60	48	12	0	11	0
01082	STRONTIUM, TOTAL (UG/L AS SR)	95	95	0	0	29	11
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	37	37	0	0	18	10
01085	VANADIUM, DISSOLVED (UG/L AS V)	77	66	11	0	5	0
01087	VANADIUM, TOTAL (UG/L AS V)	5	5	0	0	3	0
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	37	37	0	0	18	10
01090	ZINC, DISSOLVED (UG/L AS ZN)	460	224	210	26	71	8
01091	ZINC, SUSPENDED (UG/L ZN)	20	0	19	1	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	78	19	54	5	14	0
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	37	37	0	0	18	10
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	28	28	0	0	4	0
01097	ANTIMONY, TOTAL (UG/L AS SB)	107	100	7	0	34	11
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	37	37	0	0	18	10
01102	TIN, TOTAL (UG/L AS SN)	95	95	0	0	29	11
01105	ALUMINUM, TOTAL (UG/L AS AL)	48	48	0	0	21	10
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	210	201	9	0	25	6
01112	CERIUM, TOTAL (UG/L AS CE)	95	95	0	0	29	11
01117	CESIUM, TOTAL (UG/L AS CS)	95	95	0	0	29	11
01122	GALLIUM, TOTAL (UG/L AS GA)	95	95	0	0	29	11
01127	GERMANIUM, TOTAL (UG/L AS GE)	95	95	0	0	29	11
01130	LITHIUM, DISSOLVED (UG/L AS LI)	50	39	11	0	2	0
01132	LITHIUM, TOTAL (UG/L AS LI)	95	95	0	0	29	11
01137	RUBIDIUM, TOTAL (UG/L AS RB)	95	95	0	0	29	11
01145	SELENIUM, DISSOLVED (UG/L AS SE)	396	248	141	7	54	11
01146	SELENIUM, SUSPENDED (UG/L AS SE)	21	0	20	1	1	0
01147	SELENIUM, TOTAL (UG/L AS SE)	153	119	29	5	40	11
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	37	37	0	0	18	10
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	5	0	0	5	1	0
01150	TITANIUM, DISSOLVED (UG/L AS TI)	28	0	28	0	28	2
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	37	37	0	0	18	10
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	37	37	0	0	18	10
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	37	37	0	0	18	10
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	408	186	222	0	29	8
01168	INDIUM, WATER, WHOLE UG/L	95	95	0	0	29	11
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	95	95	0	0	29	11
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	37	37	0	0	18	10
01182	LANTHANUM, TOTAL (UG/L AS LA)	95	95	0	0	29	11
01189	SCANDIUM, TOTAL (UG/L AS SC)	95	95	0	0	29	11
01210	PALLADIUM, TOTAL (UG/L AS PD)	95	95	0	0	29	11
01219	GADOLINIUM,TOTAL UG/L	95	95	0	0	29	11
01236	EUROPIUM,TOTAL UG/L	95	95	0	0	29	11
01237	NEODYMIUM,TOTAL UG/L	95	95	0	0	29	11
01238	PRASEODYMIUM,TOTAL UG/L	95	95	0	0	29	11
01239	NIOBIUM, TOTAL UG/L	95	95	0	0	29	11
01240	IRIDIUM,TOTAL UG/L	95	95	0	0	29	11
01241	OSMIUM,TOTAL UG/L	95	95	0	0	29	11
01242	RHENIUM,TOTAL UG/L	95	95	0	0	29	11
01243	HAFNIUM,TOTAL UG/L	95	95	0	0	29	11
01244	LUTETIUM,TOTAL UG/L	95	95	0	0	29	11
01246	ERBIUM,TOTAL UG/L	95	95	0	0	29	11
01247	HOLMIUM,TOTAL UG/L	95	95	0	0	29	11
01501	ALPHA, TOTAL	204	157	20	27	16	0
01502	ALPHA, TOTAL, COUNTING ERROR	27	0	0	27	2	0
01503	ALPHA, DISSOLVED	56	8	0	48	5	0
01504	ALPHA, DISSOLVED, COUNTING ERROR	46	0	0	46	2	0
01505	ALPHA, SUSPENDED	41	0	0	41	2	0
01506	ALPHA, SUSPENDED, COUNTING ERROR	41	0	0	41	2	0
02270	INVALID PARAMETER	1	0	0	1	1	0
03501	BETA, TOTAL	207	147	33	27	11	0
03502	BETA, TOTAL, COUNTING ERROR	27	0	0	27	2	0
03503	BETA, DISSOLVED	56	8	0	48	5	0
03504	BETA, DISSOLVED, COUNTING ERROR	46	0	0	46	2	0
03505	BETA, SUSPENDED	41	0	0	41	2	0
03506	BETA, SUSPENDED, COUNTING ERROR	41	0	0	41	2	0

Parameter Period of Record Tabulation
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Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	5	5	0	0	5	0
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	1	1	0	0	1	0
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	1	1	0	0	1	0
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	1	1	0	0	1	0
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	1	1	0	0	1	0
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	1	1	0	0	1	0
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	1	1	0	0	1	0
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	1	1	0	0	1	0
04257	ALDICARB SULFONE, TOTAL, WATER UG/L	1	1	0	0	1	0
04258	HYDROXYCARBOFURAN, 3-, TOTAL, WATER UG/L	1	1	0	0	1	0
04260	ALDICARB SULFOXIDE, TOTAL, WATER UG/L	1	1	0	0	1	0
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	30	6	24	0	6	0
07012	TRITIUM IN WATERMOLECULES (TRITIUM UNITS)	248	0	113	135	1	0
07013	TRITIUM IN WATERMOLEC,COUNTING ERROR(TRIT UNITS)	248	0	113	135	1	0
09501	RADIUM 226, TOTAL	174	131	41	2	12	0
09503	RADIUM 226, DISSOLVED	505	8	16	481	9	0
09504	RADIUM 226, DISSOLVED, COUNTING ERROR	78	0	0	78	2	0
09505	RADIUM 226, SUSPENDED	148	0	7	141	4	0
09506	RADIUM 226, SUSPENDED, COUNTING ERROR	63	0	0	63	2	0
09507	RADIUM 226 IN SEDIMENT (PC/G OF DRY SOLIDS)	38	0	5	33	3	0
09508	RADIUM 226 IN SEDIMENT, COUNTING ERROR	33	0	0	33	2	0
09511	RADIUM 226, DISSOLVED, RADON METHOD	17	5	2	10	7	0
11501	RADIUM 228, TOTAL	51	45	6	0	6	0
13501	STRONTIUM 90, TOTAL	4	0	0	4	2	0
13502	STRONTIUM 90, TOTAL, COUNTING ERROR	4	0	0	4	2	0
13503	STRONTIUM 90, DISSOLVED	10	0	0	10	1	0
13504	STRONTIUM 90, DISSOLVED, COUNTING ERROR	10	0	0	10	1	0
15501	STRONTIUM 89, TOTAL	4	0	0	4	2	0
15502	STRONTIUM 89, TOTAL, COUNTING ERROR	4	0	0	4	2	0
17503	LEAD 210, DISSOLVED	17	0	0	17	2	0
17504	LEAD 210, DISSOLVED, COUNTING ERROR	11	0	0	11	2	0
19503	POLONIUM 210, DISSOLVED	12	0	0	12	2	0
19504	POLONIUM 210, DISSOLVED, COUNTING ERROR	11	0	0	11	2	0
20950	INVALID PARAMETER	1	0	0	1	1	0
22603	URANIUM 238, DISSOLVED, PC/L	3	0	0	3	1	0
22604	URANIUM 238, DISSOLVED, COUNTING ERROR	1	0	0	1	1	0
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	37	37	0	0	18	10
22703	URANIUM, NATURAL, DISSOLVED	631	6	124	501	40	2
22708	URANIUM, NATURAL TOTAL MG/L	14	0	12	2	5	0
26603	THORIUM, ALPHA, DISSOLVED	14	0	0	14	2	0
26604	THORIUM, ALPHA, DISSOLVED, COUNTING ERROR	13	0	0	13	2	0
28012	URANIUM,NATURAL,TOTAL PCI/L AS U	33	33	0	0	4	0
29801	ALKALINITY,WATR,DISS.,FIX END PT,LAB,AS CACO3,MG/L	1	1	0	0	1	0
30190	DICHLORPROP, WATER, WHOLE, RECOVERABLE UG/L	2	2	0	0	1	0
30192	MCPA, WATER, WHOLE, RECOVERABLE UG/L	2	2	0	0	1	0
30218	DICHLORVOS, WATER, WHOLE, RECOVERABLE UG/L	1	1	0	0	1	0
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	37	37	0	0	18	10
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	37	37	0	0	18	10
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	37	37	0	0	18	10
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	68	64	4	0	8	8
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	349	112	237	0	21	0
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	344	113	231	0	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	58	48	8	2	9	8
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	105	37	68	0	2	0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	73	55	18	0	4	0
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	88	38	50	0	1	0
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	11	0	9	2	1	0
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	4	4	0	0	4	0
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	4	4	0	0	4	0
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	4	4	0	0	4	0
32104	BROMOFORM,WHOLE WATER,UG/L	4	4	0	0	4	0
32106	CHLOROFORM,WHOLE WATER,UG/L	4	4	0	0	4	0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	12	12	0	0	1	0
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	2	0	2	0	1	0
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	2	0	2	0	1	0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	2	0	2	0	1	0
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	1	0	0	1	0
34253	A-BHC-ALPHA DISSUG/L	1	1	0	0	1	0
34301	CHLOROBENZENE TOTWUG/L	4	4	0	0	4	0
34306	CHLORODIBROMOMETHANE TOTWUG/L	4	4	0	0	4	0

Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34311	CHLOROETHANE TOTWUG/L	4	4	0	0	4	0
34351	ENDOSULFAN SULFATE TOTWUG/L	5	5	0	0	1	0
34356	ENDOSULFAN, BETA TOTWUG/L	5	5	0	0	1	0
34361	ENDOSULFAN, ALPHA TOTWUG/L	5	5	0	0	1	0
34366	ENDRIN ALDEHYDE TOTWUG/L	5	5	0	0	1	0
34391	HEXACHLOROBUTADIENE TOTWUG/L	4	4	0	0	4	0
34413	METHYL BROMIDE TOTWUG/L	4	4	0	0	4	0
34418	METHYL CHLORIDE TOTWUG/L	4	4	0	0	4	0
34423	METHYLENE CHLORIDE TOTWUG/L	4	4	0	0	4	0
34474	SILVER WET WGTTISMG/KG	5	0	0	5	1	0
34475	TETRACHLOROETHYLENE TOTWUG/L	4	4	0	0	4	0
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	4	4	0	0	4	0
34496	1,1-DICHLOROETHANE TOTWUG/L	4	4	0	0	4	0
34501	1,1-DICHLOROETHYLENE TOTWUG/L	4	4	0	0	4	0
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	4	4	0	0	4	0
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	4	4	0	0	4	0
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	4	4	0	0	4	0
34536	1,2-DICHLOROBENZENE TOTWUG/L	4	4	0	0	4	0
34541	1,2-DICHLOROPROPANE TOTWUG/L	4	4	0	0	4	0
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	4	4	0	0	4	0
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	4	4	0	0	4	0
34561	1,3-DICHLOROPROPENE TOTWUG/L	4	4	0	0	4	0
34566	1,3-DICHLOROBENZENE TOTWUG/L	4	4	0	0	4	0
34571	1,4-DICHLOROBENZENE TOTWUG/L	4	4	0	0	4	0
34653	P,P'-DDE DISSUG/L	1	1	0	0	1	0
34671	PCB - 1016 TOTWUG/L	4	4	0	0	1	0
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	5	0	0	5	1	0
34685	ENDRIN WET WGTTISMG/KG	5	0	0	5	1	0
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	5	0	0	5	1	0
34687	HEPTACHLOR WET WGTTISMG/KG	5	0	0	5	1	0
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	4	4	0	0	4	0
34696	NAPHTHALENE TOTWUG/L	4	4	0	0	4	0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	47	0	47	0	12	0
38442	DICAMBA (BANVEL) WATER,DISSUG/L	2	2	0	0	1	0
38500	METHIOCARB WATER, TOTUG/L	1	1	0	0	1	0
38537	PROPOXUR WATER, TOTUG/L	1	1	0	0	1	0
38760	DBCP WATER, TOTUG/L	4	4	0	0	4	0
38865	OXAMYL WATER, TOTUG/L	1	1	0	0	1	0
38933	CHLORPYRIFOS,DISSOLVED UG/L	1	1	0	0	1	0
39023	PHORATE, FLAME IONIZATION, WATER SAMPLE (UG/L)	1	1	0	0	1	0
39025	SIMAZINE,COULSON CONDUCTIVITY,WATER SAMPLE(UG/L)	4	0	4	0	1	0
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	1	1	0	0	1	0
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1	0
39046	SIMAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	1	0	1	0	1	0
39051	METHOMYL IN WHOLE WATER (UG/L)	1	1	0	0	1	0
39053	ALDICARB IN WHOLE WATER (UG/L)	1	1	0	0	1	0
39055	SIMAZINE IN WHOLE WATER (UG/L)	1	1	0	0	1	0
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	5	0	0	5	1	0
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	47	47	0	0	1	0
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	4	4	0	0	4	0
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	4	4	0	0	4	0
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	1	0	1	0	1	0
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	5	0	0	5	1	0
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	1	0
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	1	0
39312	P P DDD IN TISSUE WET WGT (UG/G)	5	0	0	5	1	0
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	1	0
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	5	0	0	5	1	0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	24	5	14	5	2	0
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	5	0	0	5	1	0
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	4	0	0	4	1	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	6	0	4	2	1	0
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	5	5	0	0	1	0
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	5	5	0	0	1	0
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	24	6	14	4	2	0
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	6	1	0	5	1	0
39342	GAMMA-BHC(LINDANE),SUSPENDED,UG/L	3	0	0	3	1	0
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	6	0	4	2	1	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	24	5	14	5	2	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	6	0	4	2	1	0
39352	CHLORDANE(TECH MIX & METABS),DISSOLVED,UG/L	5	0	0	5	1	0

Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39353	CHLORDANE(TECH MIX & METABS),SUSPENDED,UG/L	4	0	0	4	1	0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	19	0	14	5	1	0
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	5	0	0	5	1	0
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	6	0	4	2	1	0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	19	0	14	5	1	0
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	0
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	6	0	4	2	1	0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	19	0	14	5	1	0
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	0
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	6	0	4	2	1	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	24	5	14	5	2	0
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	1	0	5	1	0
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	6	0	4	2	1	0
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1	0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	25	6	14	5	2	0
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	0
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	6	0	4	2	1	0
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	13	0	13	0	1	0
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	1	0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	21	6	14	1	2	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	4	0	4	0	1	0
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	5	0	0	5	1	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	24	5	14	5	2	0
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	0
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	6	0	4	2	1	0
39415	METOLACHLOR, WATER, DISSOLVED UG/L	1	1	0	0	1	0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	24	5	14	5	2	0
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT SAMP (UG/L)	5	0	0	5	1	0
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT SAMP (UG/L)	4	0	0	4	1	0
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	6	0	4	2	1	0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20	6	14	0	2	0
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	4	0	4	0	1	0
39482	METHOXYCHLOR IN FISH - UG/KG	5	0	0	5	1	0
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	4	4	0	0	1	0
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	4	4	0	0	1	0
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	4	4	0	0	1	0
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	4	4	0	0	1	0
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	6	5	1	0	2	0
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	4	4	0	0	1	0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	12	0	7	5	2	0
39517	PCBS IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	0
39518	PCBS IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	2	2	1	0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	18	1	13	4	2	0
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	1	0	5	1	0
39533	MALATHION IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	3	0	0	3	1	0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	17	0	13	4	1	0
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	1	0	5	1	0
39543	PARATHION IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	3	0	0	3	1	0
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	18	1	13	4	2	0
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	4	0	4	0	1	0
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	1	0	5	1	0
39573	DIAZINON IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	3	0	0	3	1	0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	18	1	13	4	2	0
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	4	0	4	0	1	0
39602	METHYL PARATHION IN FILT. FRAC. WATER SAMP.(UG/L)	5	0	0	5	1	0
39603	METHYL PARATHION IN SUSP. FRAC. WATER SAMP.(UG/L)	3	0	0	3	1	0
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	6	0	6	0	1	0
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	1	0	1	0	1	0
39632	ATRAZINE DISSOLVED IN WATER PPB	1	1	0	0	1	0
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	20	6	9	5	2	0
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	0
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0

Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39733	2,4-D IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	0
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	18	4	9	5	2	0
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	0
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39743	2,4,5-T IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	0
39750	SEVIN IN WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1	0
39755	MIREX, TOTAL (UG/L)	1	0	1	0	1	0
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	20	6	9	5	2	0
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	1	0	1	0	1	0
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	0
39763	SILVEX IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	0
39770	DACTHAL (DCPA) IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	1	0
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	5	0	0	5	1	0
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	13	0	13	0	1	0
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	4	0	4	0	1	0
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	13	0	13	0	1	0
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	4	0	4	0	1	0
46323	DELTA-BHC IN WHOLE WATER SMAPLE (UG/L)	5	5	0	0	1	0
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	1	1	0	0	1	0
49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	1	1	0	0	1	0
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	9	0	9	0	1	0
50051	FLOW, RATE, INSTANTANEOUS MGD	138	97	41	0	5	0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	138	83	55	0	2	0
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	95	95	0	0	29	11
60050	ALGAE, TOTAL (CELLS/ML)	22	0	21	1	1	0
61027	ANIONS, SUM, TOTAL IN WATER MG/L	507	507	0	0	29	8
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	1	1	0	0	1	0
61291	TOLUENE, TOTAL WATER UG/L	1	1	0	0	1	0
61925	BROMINE, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61926	CHLORINE, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61927	CESIUM, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61928	CERIUM, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61930	GALLIUM, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61931	INDIUM, SEDIMENT, DRY, UG/KG	37	37	0	0	18	10
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61933	IODINE, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	37	37	0	0	18	10
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	37	37	0	0	18	10
61937	TERBIUM, SEDIMENT, DRY, UG/KG	37	37	0	0	18	10
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	507	507	0	0	29	8
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	107	0	88	19	2	0
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	2450	699	723	1028	74	13
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	960	10	200	750	25	5
70302	SOLIDS, DISSOLVED-TONS PER DAY	1894	0	314	1580	13	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	1896	0	314	1582	13	0
70324	SOLIDS, VOLATILE SUSPENDED IN MIXED LIQUOR (MG/L)	20	20	0	0	2	0
70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	2	0	0	2	1	0
70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	18	0	0	18	1	0
70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	1	0	0	1	1	0
70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	18	0	0	18	1	0
70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	5	0	0	5	1	0
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	269	39	44	186	1	0
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	143	0	0	143	1	0
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	108	0	0	108	1	0
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	65	0	0	65	1	0
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	6	0	0	6	1	0
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	241	0	57	184	2	0
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	401	0	57	344	2	0
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	31	0	0	31	1	0
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	366	0	53	313	2	0
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	123	0	0	123	1	0
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	238	0	58	180	2	0
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	195	0	52	143	2	0
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	159	0	46	113	2	0
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	73	0	27	46	2	0
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	9	0	5	4	1	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12	12	0	0	1	0
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	3	0	3	0	1	0
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	4	0	4	0	1	0

Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	4	0	4	0	1	0
71830	HYDROXIDE ION (MG/L AS OH)	4	0	3	1	3	0
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	38	0	38	0	3	0
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	40	4	36	0	2	0
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	303	0	0	303	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	1237	0	2	1235	14	5
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	3	0	0	3	1	0
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	95	95	0	0	29	11
71870	BROMIDE (MG/L AS BR)	53	1	0	52	2	0
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	95	95	0	0	29	11
71885	IRON (UG/L AS FE)	314	0	0	314	8	4
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	383	68	314	1	27	4
71887	NITROGEN, TOTAL, AS NO3 - MG/L	194	0	171	23	3	0
71890	MERCURY, DISSOLVED (UG/L AS HG)	262	230	31	1	27	6
71895	MERCURY, SUSPENDED (UG/L AS HG)	17	0	17	0	1	0
71900	MERCURY, TOTAL (UG/L AS HG)	152	116	32	4	39	11
71910	GOLD, TOTAL (UG/L AS AU)	95	95	0	0	29	11
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	37	37	0	0	18	10
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	5	0	0	5	1	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	5	0	0	5	1	0
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	5	0	0	5	1	0
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	5	0	0	5	1	0
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	412	0	0	412	10	4
72005	SAMPLE SOURCE CODE (BM WELL DATA)	8	0	0	8	8	4
72006	SAMPLING CONDITION CODE (BM WELL DATA)	8	0	0	8	8	4
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	1	0	1	0	1	0
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	12	12	0	0	1	0
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	1	0	0	1	1	0
74010	IRON, TOTAL (MG/L AS FE)	32	19	12	1	8	0
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	4	4	0	0	4	0
77128	STYRENE WHOLE WATER,UG/L	4	4	0	0	4	0
77135	O-XYLENE WHOLE WATER,UG/L	4	4	0	0	4	0
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	4	4	0	0	4	0
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	4	4	0	0	4	0
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	4	4	0	0	4	0
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	4	4	0	0	4	0
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	4	4	0	0	4	0
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	4	4	0	0	4	0
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	4	4	0	0	4	0
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	4	4	0	0	4	0
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	4	4	0	0	4	0
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	4	4	0	0	4	0
77825	ALACHLOR WHOLE WATER,UG/L	1	1	0	0	1	0
77969	CHLOROPYRIFOS IN WATER UG/L	1	1	0	0	1	0
78008	ENDRIN KETONE IN WATER UG/L	2	2	0	0	1	0
78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	4	4	0	0	4	0
78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	4	4	0	0	4	0
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	4	4	0	0	4	0
78132	P-XYLENE IN WHOLE WATER UG/L	4	4	0	0	4	0
80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	9	9	0	0	4	0
80027	INVALID PARAMETER	1	0	1	0	1	0
80029	ALPHA GROSS TOTAL AS URANIUM NATURAL PC/L	8	0	8	0	1	0
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	8	5	3	0	6	0
80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	5	5	0	0	5	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	581	100	112	369	2	0
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	411	0	87	324	2	0
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	2	0	0	2	2	0
80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	2	0	0	2	2	0
80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	3	0	0	3	2	0
80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	3	0	0	3	2	0
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	1	0	1	0	1	0
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	1	0	1	0	1	0
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	4	0	1	3	2	0

Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	4	0	1	3	2	0
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	4	0	1	3	2	0
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	4	0	1	3	2	0
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	4	0	1	3	2	0
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	4	0	1	3	2	0
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	3	0	0	3	2	0
80175	BED MATERIAL SIEVE DIAMETER,% FINER THAN 128 MM	1	0	0	1	1	0
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	1	1	0	0	1	0
81287	DNBP(C10H12N2O5) WHOLE WATER SAMPLE UG/L	2	2	0	0	1	0
81366	RADIUM-228,DISSOLVED (PC/L AS RA-228)	8	8	0	0	3	0
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	1	1	0	0	1	0
81522	DIBROMOETHANE WHL WATER SMPL UG/L	4	4	0	0	4	0
81555	BROMOBENZENE WHL WATER SMPL UG/L	4	4	0	0	4	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	5	0	0	5	1	0
81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	4	4	0	0	4	0
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	37	37	0	0	18	10
81888	DISULFOTON IN WHOLE WATER SAMPLE UG/L	1	1	0	0	1	0
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	28	0	28	0	28	2
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	95	95	0	0	29	11
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	15	0	15	0	3	0
82170	GOLD IN SEDIMENT MG/KG	37	37	0	0	18	10
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	1	0	1	0	1	0
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	37	37	0	0	18	10
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	37	37	0	0	18	10
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	95	95	0	0	29	11
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	37	37	0	0	18	10
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	95	95	0	0	29	11
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	37	37	0	0	18	10
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	95	95	0	0	29	11
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	95	95	0	0	29	11
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	37	37	0	0	18	10
82398	SAMPLING METHOD (CODES)	41	0	39	2	1	0
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	1	1	0	0	1	0
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	1	1	0	0	1	0
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	1	1	0	0	1	0
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	1	1	0	0	1	0
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	1	1	0	0	1	0
82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	5	5	0	0	4	2
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	403	186	217	0	29	8
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	383	168	215	0	29	8
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	1	1	0	0	1	0
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	369	168	201	0	27	8
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	393	186	207	0	29	8
82707	COBALT, FIELD ACIDIFIED, DECANTED, WATER UG/L	1	1	0	0	1	0
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	410	186	224	0	30	8
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	536	185	351	0	35	8
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	372	168	204	0	26	8
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	424	186	238	0	32	8

Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Parameter Code	Name	Total Obs	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	428	168	260	0	31	8
82714	MOLYBDENUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	1	1	0	0	1	0
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	196	19	177	0	16	0
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	373	168	205	0	29	8
82717	URANIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	4	2	2	0	2	0
82718	VANADIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	1	1	0	0	1	0
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	416	185	231	0	30	8
82725	BORON, FIELD ACIDIFIED, DECANTED, WATER UG/L	1	1	0	0	1	0
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	27	8	7	12	23	4
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	27	8	7	12	23	4
84007	ANATOMY ALPHA CODE	5	0	0	5	1	0
84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	5	0	0	5	1	0

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0048	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	3	
ARCH0050	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0051	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0054	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0056	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0063	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0065	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0066	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	0	2	
ARCH0119	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/15/71-04/04/72	0	5	
ARCH0177	No	00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/07/72-05/08/73	1	5	
ARCH0039	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	06/10/74-06/28/74	0	2	
ARCH0082	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	02/26/74-06/28/74	0	8	
ARCH0177	No	00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	05/24/74-05/24/74	0	1	
ARCH0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/89-08/05/99	10	11	
ARCH0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/89-08/05/99	10	45	
ARCH0003	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/78-06/11/78	0	1	
ARCH0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/78-06/11/78	0	1	
ARCH0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/80-04/29/80	0	1	
ARCH0006	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/78-04/29/81	3	3	
ARCH0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	0	1	
ARCH0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/78-06/24/78	0	1	
ARCH0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-03/17/77	0	5	
ARCH0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/95-10/04/99	4	18	
ARCH0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/78-06/27/78	0	1	
ARCH0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/95-04/12/99	3	16	
ARCH0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/85-08/15/85	0	1	
ARCH0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/78-12/02/99	21	11	
ARCH0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/85-08/16/85	0	1	
ARCH0018	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/78-06/27/78	0	1	
ARCH0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/68-11/19/68	0	1	
ARCH0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/95-12/06/95	0	1	
ARCH0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/85-08/16/85	0	1	
ARCH0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/95-04/30/97	1	3	
ARCH0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/67-10/19/67	0	1	
ARCH0025	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/78-06/24/78	0	1	
ARCH0026	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-03/07/68	0	1	
ARCH0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	19	195	
ARCH0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/99-12/21/99	0	2	
ARCH0029	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/78-07/01/78	0	1	
ARCH0030	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/82-06/24/98	15	16	
ARCH0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/77-08/30/77	0	1	
ARCH0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/78-06/27/78	0	1	
ARCH0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/83-06/15/83	0	2	
ARCH0034	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-09/30/99	23	51	
ARCH0035	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/95-12/13/99	4	20	
ARCH0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/77-02/26/81	3	21	
ARCH0037	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	0	1	
ARCH0038	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/89-04/06/89	0	1	
ARCH0039	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	7	157	
ARCH0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/78-06/25/78	0	1	
ARCH0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/78-06/23/78	0	1	
ARCH0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	23	174	
ARCH0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/78-06/25/78	0	1	
ARCH0046	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/95-02/18/98	2	17	
ARCH0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/89-10/16/89	0	2	
ARCH0048	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	1	6	
ARCH0050	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	1	7	
ARCH0051	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	1	7	
ARCH0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/89-10/16/89	0	2	
ARCH0054	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	1	6	
ARCH0055	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/89-10/16/89	0	2	
ARCH0056	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	1	5	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/78-07/01/78	0	1	
ARCH0058	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/78-06/25/78	0	1	
ARCH0059	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-10/16/89	0	3	
ARCH0060	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-10/16/89	0	4	
ARCH0061	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-10/16/89	0	4	
ARCH0062	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-10/16/89	0	3	
ARCH0064	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/13/89-10/16/89	0	2	
ARCH0065	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/89-10/16/89	0	2	
ARCH0066	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/89-10/16/89	0	4	
ARCH0068	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/95-04/30/97	1	3	
ARCH0070	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/67-08/15/85	17	2	
ARCH0071	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/78-06/23/78	0	1	
ARCH0072	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	0	1	
ARCH0073	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/95-02/18/98	2	13	
ARCH0074	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/22/74-03/24/77	2	12	
ARCH0075	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/22/74-04/13/76	1	2	
ARCH0076	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/08/58-10/08/58	0	1	
ARCH0077	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/85-08/17/85	0	1	
ARCH0078	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/10/91-01/10/91	0	1	
ARCH0079	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	0	1	
ARCH0081	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	23	172	
ARCH0082	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-10/10/79	5	132	
ARCH0084	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	0	1	
ARCH0085	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/77-03/13/78	0	2	
ARCH0086	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/78-12/13/99	21	31	
ARCH0087	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	17	181	
ARCH0088	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0089	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/99	9	21	
ARCH0090	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/84-05/05/90	5	13	
ARCH0091	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-07/30/89	0	3	
ARCH0092	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	6	
ARCH0093	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	6	
ARCH0094	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	5	
ARCH0096	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	3	
ARCH0097	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	5	
ARCH0098	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	4	
ARCH0099	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	6	
ARCH0100	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	0	4	
ARCH0102	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/78-06/22/78	0	1	
ARCH0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/78-06/22/78	0	1	
ARCH0105	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/78-06/22/78	0	1	
ARCH0106	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/70-09/15/70	0	1	
ARCH0108	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/85-04/25/90	5	8	
ARCH0109	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/85-04/25/90	5	10	
ARCH0110	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/90-08/23/99	8	20	
ARCH0112	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/70-09/15/70	0	1	
ARCH0113	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	0	1	
ARCH0114	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/78-06/21/78	0	1	
ARCH0115	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0116	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/97-06/25/98	0	12	
ARCH0117	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/77-01/27/81	3	16	
ARCH0118	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/90-03/24/92	1	3	
ARCH0121	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/85-04/24/90	4	8	
ARCH0122	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/79-10/06/79	0	1	
ARCH0123	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	0	1	
ARCH0124	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0125	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	0	1	
ARCH0126	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/77-10/22/80	3	17	
ARCH0127	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	0	1	
ARCH0128	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	0	1	
ARCH0129	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/88-08/14/88	0	2	
ARCH0130	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/90-11/28/99	9	14	
ARCH0131	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/85-05/03/90	5	9	
ARCH0132	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0133	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/70-09/15/70	0	1	
ARCH0134	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	0	1	
ARCH0135	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/79-07/18/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0136	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/06/80-10/08/81	1	14	
ARCH0137	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/79-09/27/79	0	7	
ARCH0138	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/88-08/13/88	0	1	
ARCH0139	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/88-08/13/88	0	1	
ARCH0140	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/79-10/06/79	0	1	
ARCH0141	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/78-06/26/78	0	1	
ARCH0143	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	0	1	
ARCH0144	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0145	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/77-06/13/86	8	12	
ARCH0146	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	0	1	
ARCH0147	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/78-06/21/78	0	1	
ARCH0148	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	0	1	
ARCH0149	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/79-08/14/79	0	4	
ARCH0150	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/97-06/25/98	0	12	
ARCH0151	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/85-11/26/85	0	1	
ARCH0152	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	0	1	
ARCH0153	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	0	1	
ARCH0155	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/90-11/28/99	9	8	
ARCH0156	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	0	1	
ARCH0157	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/84-04/24/90	5	13	
ARCH0158	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0159	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/88-08/15/88	0	1	
ARCH0160	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/79-10/07/79	0	2	
ARCH0161	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/70-09/16/70	0	1	
ARCH0163	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/15/89-05/03/90	0	2	
ARCH0164	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0165	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/84-04/24/90	5	11	
ARCH0166	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0167	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/79-10/06/79	0	1	
ARCH0169	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/90-11/28/99	9	22	
ARCH0170	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	0	1	
ARCH0171	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/78-07/08/78	0	1	
ARCH0172	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/77-08/21/78	1	7	
ARCH0173	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/78-07/05/78	0	1	
ARCH0174	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/04/99-12/07/99	0	4	
ARCH0175	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/10/85-06/10/85	0	1	
ARCH0176	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-03/11/81	5	45	
ARCH0177	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	43	682	
ARCH0178	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/76-12/08/99	23	209	
ARCH0180	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/23/85-11/23/85	0	1	
ARCH0181	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/54-04/24/59	5	2	
ARCH0183	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/78-07/02/78	0	1	
ARCH0074	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/76-03/24/76	0	2	
ARCH0103	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/22/77-08/22/77	0	1	
ARCH0001	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/90-05/23/90	0	1	
ARCH0002	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/90-06/08/92	2	5	
ARCH0010	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/21/96-10/04/99	3	15	
ARCH0012	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/29/95-04/12/99	3	14	
ARCH0015	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/12/95-12/02/99	4	9	
ARCH0027	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/29/84-08/08/91	7	25	
ARCH0028	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/29/99-07/29/99	0	1	
ARCH0035	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/95-12/13/99	4	7	
ARCH0039	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	7	152	
ARCH0042	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/11/90-10/24/91	1	4	
ARCH0081	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/22/90-01/21/99	8	7	
ARCH0082	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-10/10/79	5	127	
ARCH0086	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/12/95-12/13/99	4	10	
ARCH0087	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/84-08/31/89	5	7	
ARCH0089	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/29/90-12/08/99	9	21	
ARCH0110	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/04/91-03/23/92	0	2	
ARCH0111	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/28/90-08/23/99	8	20	
ARCH0120	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/90-03/24/92	1	3	
ARCH0130	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/90-11/28/99	9	13	
ARCH0136	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/06/80-10/08/81	1	14	
ARCH0155	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/21/91-11/28/99	8	6	
ARCH0161	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/24/91-04/28/99	8	8	
ARCH0169	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/09/91-11/28/99	8	20	
ARCH0174	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/27/99-12/07/99	0	3	
ARCH0177	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	23	178	
ARCH0178	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/90-10/24/91	1	6	
ARCH0119	No	00023	SAMPLE WEIGHT IN POUNDS	10/15/71-04/04/72	0	5	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0177	No	00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	14	115	
ARCH0013	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/15/85-08/15/85	0	1	
ARCH0016	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/16/85-08/16/85	0	1	
ARCH0019	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/19/68-11/19/68	0	1	
ARCH0021	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/16/85-08/16/85	0	1	
ARCH0024	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/19/67-10/19/67	0	1	
ARCH0026	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/07/68-03/07/68	0	1	
ARCH0027	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/01/81-08/08/91	9	81	
ARCH0070	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/19/67-08/15/85	17	2	
ARCH0077	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/17/85-08/17/85	0	1	
ARCH0087	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/01/81-08/31/89	7	63	
ARCH0106	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/70-09/15/70	0	1	
ARCH0112	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/70-09/15/70	0	1	
ARCH0133	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/15/70-09/15/70	0	1	
ARCH0134	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/17/79-07/17/79	0	1	
ARCH0135	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/18/79-07/18/79	0	1	
ARCH0136	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/08/81-10/08/81	0	1	
ARCH0137	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/22/79-09/27/79	0	7	
ARCH0143	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/17/79-07/17/79	0	1	
ARCH0146	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/17/79-07/17/79	0	1	
ARCH0148	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/17/79-07/17/79	0	1	
ARCH0149	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/21/79-08/14/79	0	4	
ARCH0151	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/26/85-11/26/85	0	1	
ARCH0153	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/17/79-07/17/79	0	1	
ARCH0156	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/17/79-07/17/79	0	1	
ARCH0162	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/16/70-09/16/70	0	1	
ARCH0175	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	06/10/85-06/10/85	0	1	
ARCH0177	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	09/21/52-08/26/96	43	493	
ARCH0180	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	11/23/85-11/23/85	0	1	
ARCH0181	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/25/33-04/24/59	25	4	
ARCH0182	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	12/13/85-12/13/85	0	1	
ARCH0013	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/15/85-08/15/85	0	1	
ARCH0016	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/16/85-08/16/85	0	1	
ARCH0019	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/19/68-11/19/68	0	1	
ARCH0021	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/16/85-08/16/85	0	1	
ARCH0024	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/19/67-10/19/67	0	1	
ARCH0026	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/07/68-03/07/68	0	1	
ARCH0027	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/01/81-08/08/91	9	81	
ARCH0039	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/06/78-09/22/81	3	51	
ARCH0070	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/19/67-08/15/85	17	2	
ARCH0077	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/17/85-08/17/85	0	1	
ARCH0082	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/06/78-10/10/79	1	28	
ARCH0087	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/01/81-08/31/89	7	63	
ARCH0106	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/15/70-09/15/70	0	1	
ARCH0133	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/15/70-09/15/70	0	1	
ARCH0134	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/17/79-07/17/79	0	1	
ARCH0135	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/18/79-07/18/79	0	1	
ARCH0136	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/06/81-10/08/81	0	7	
ARCH0137	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/22/79-09/27/79	0	7	
ARCH0143	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/17/79-07/17/79	0	1	
ARCH0146	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/17/79-07/17/79	0	1	
ARCH0148	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/17/79-07/17/79	0	1	
ARCH0149	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/21/79-08/14/79	0	4	
ARCH0151	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/26/85-11/26/85	0	1	
ARCH0153	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/17/79-07/17/79	0	1	
ARCH0156	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/17/79-07/17/79	0	1	
ARCH0162	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/16/70-09/16/70	0	1	
ARCH0175	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/10/85-06/10/85	0	1	
ARCH0177	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	09/21/52-08/26/96	43	518	
ARCH0180	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	11/23/85-11/23/85	0	1	
ARCH0181	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/25/33-04/24/59	25	4	
ARCH0182	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	12/13/85-12/13/85	0	1	
ARCH0177	No	00049	SURFACE AREA IN SQUARE MILES	10/01/47-09/29/62	14	404	
ARCH0003	No	00058	FLOW, RATE GALLONS/MIN	06/11/78-06/11/78	0	1	
ARCH0004	No	00058	FLOW, RATE GALLONS/MIN	06/11/78-06/11/78	0	1	
ARCH0038	No	00058	FLOW, RATE GALLONS/MIN	04/06/89-04/06/89	0	1	
ARCH0042	No	00058	FLOW, RATE GALLONS/MIN	10/15/81-10/15/81	0	1	
ARCH0074	No	00058	FLOW, RATE GALLONS/MIN	11/22/74-02/17/76	1	2	
ARCH0089	Yes	00058	FLOW, RATE GALLONS/MIN	08/29/97-08/16/99	1	7	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0111	Yes	00058	FLOW, RATE GALLONS/MIN	02/04/98-08/23/99	1	6	
ARCH0130	Yes	00058	FLOW, RATE GALLONS/MIN	02/04/98-11/28/99	1	8	
ARCH0155	Yes	00058	FLOW, RATE GALLONS/MIN	02/18/99-11/28/99	0	3	
ARCH0161	Yes	00058	FLOW, RATE GALLONS/MIN	12/01/97-04/28/99	1	5	
ARCH0169	Yes	00058	FLOW, RATE GALLONS/MIN	08/28/97-11/28/99	2	9	
ARCH0174	No	00058	FLOW, RATE GALLONS/MIN	08/23/99-12/07/99	0	2	
ARCH0019	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	11/19/68-11/19/68	0	1	
ARCH0024	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	10/19/67-10/19/67	0	1	
ARCH0026	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	03/07/68-03/07/68	0	1	
ARCH0070	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	10/19/67-10/19/67	0	1	
ARCH0106	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/15/70-09/15/70	0	1	
ARCH0112	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/15/70-09/15/70	0	1	
ARCH0131	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	12/10/86-05/13/87	0	2	
ARCH0133	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/15/70-09/15/70	0	1	
ARCH0157	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	01/21/85-08/23/87	2	4	
ARCH0162	Yes	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/16/70-09/16/70	0	1	
ARCH0181	No	00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	10/25/33-10/25/33	0	1	
ARCH0027	No	00060	FLOW, STREAM, MEAN DAILY CFS	08/20/71-09/07/76	5	40	
ARCH0039	No	00060	FLOW, STREAM, MEAN DAILY CFS	02/26/74-09/25/74	0	15	
ARCH0082	No	00060	FLOW, STREAM, MEAN DAILY CFS	02/26/74-09/25/74	0	15	
ARCH0087	Yes	00060	FLOW, STREAM, MEAN DAILY CFS	09/20/71-09/11/74	2	34	
ARCH0177	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	49	2088	T,A,S
ARCH0001	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/29/89-06/24/99	10	9	
ARCH0005	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/29/80-04/29/80	0	1	
ARCH0006	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/27/78-04/29/81	3	3	
ARCH0015	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/27/78-12/02/99	21	11	
ARCH0027	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	16	159	
ARCH0028	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/29/99-12/21/99	0	2	
ARCH0030	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/13/82-06/24/98	15	15	
ARCH0033	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/20/83-06/15/83	0	2	
ARCH0034	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/25/86-09/30/99	13	31	
ARCH0035	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/95-12/13/99	4	19	
ARCH0036	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/10/77-04/09/81	3	8	
ARCH0038	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/15/89-04/10/96	6	22	
ARCH0039	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	7	156	
ARCH0042	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/29/88-09/12/91	3	3	
ARCH0046	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/95-06/26/97	2	15	
ARCH0081	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/78-09/30/99	21	38	
ARCH0082	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-10/10/79	5	130	
ARCH0085	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-03/13/78	0	1	
ARCH0086	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/78-12/13/99	21	27	
ARCH0087	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	14	148	
ARCH0088	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	0	1	
ARCH0089	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/93-08/10/98	4	4	
ARCH0111	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/93-09/12/95	1	4	
ARCH0115	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	0	1	
ARCH0116	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/31/97-06/25/98	0	12	
ARCH0117	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/16/79-01/27/81	2	12	
ARCH0124	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	0	1	
ARCH0126	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/12/77-10/22/80	3	14	
ARCH0131	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/86-05/13/87	0	2	
ARCH0134	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	0	1	
ARCH0135	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/18/79-07/18/79	0	1	
ARCH0136	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/06/80-10/08/81	1	15	
ARCH0137	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/22/79-09/27/79	0	7	
ARCH0143	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	0	1	
ARCH0145	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/12/77-06/13/86	8	8	
ARCH0146	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	0	1	
ARCH0148	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	0	1	
ARCH0149	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/21/79-08/14/79	0	4	
ARCH0150	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/31/97-06/25/98	0	12	
ARCH0153	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	0	1	
ARCH0155	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/24/99-04/24/99	0	1	
ARCH0156	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	0	1	
ARCH0157	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/21/85-08/23/87	2	4	
ARCH0158	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	0	1	
ARCH0161	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/05/98-02/05/98	0	1	
ARCH0164	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	0	1	
ARCH0165	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/21/86-12/10/86	0	2	
ARCH0166	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	0	1	
ARCH0169	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/93-04/24/99	5	5	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0170	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	0	1	
ARCH0176	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/22/78-04/07/81	3	44	
ARCH0177	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	48	374	
ARCH0178	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	11/06/80-09/30/99	18	163	
ARCH0179	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	02/11/99-12/09/99	0	5	
ARCH0177	No	00065	STAGE, STREAM (FEET)	07/22/83-02/20/86	2	29	
ARCH0039	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	4	54	
ARCH0082	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	4	54	
ARCH0177	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/22/74-04/19/78	3	18	
ARCH0001	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/29/89-05/29/89	0	1	
ARCH0002	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/29/89-08/05/99	10	15	
ARCH0005	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/29/80-04/29/80	0	1	
ARCH0006	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/27/78-04/29/81	3	3	
ARCH0009	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-03/17/77	2	7	
ARCH0010	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/30/77-10/04/99	22	30	
ARCH0012	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/91-04/12/99	7	30	
ARCH0014	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/06/78-02/06/90	11	6	
ARCH0015	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/27/78-12/02/99	21	11	
ARCH0017	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/10/84-02/06/90	5	3	
ARCH0020	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/06/95-12/06/95	0	1	
ARCH0022	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/06/78-02/06/90	11	6	
ARCH0023	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/06/95-12/06/95	0	1	
ARCH0028	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/29/99-12/21/99	0	2	
ARCH0030	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/13/82-06/24/98	15	16	
ARCH0031	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/30/77-08/30/77	0	1	
ARCH0033	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/25/83-06/15/83	0	3	
ARCH0034	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-04/29/93	18	7	
ARCH0035	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/24/95-12/13/99	4	20	
ARCH0036	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/15/77-04/09/81	3	23	
ARCH0038	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/06/89-04/06/89	0	1	
ARCH0039	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/25/76-09/20/79	3	10	
ARCH0042	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-07/16/87	12	12	
ARCH0046	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/30/95-02/18/98	2	13	
ARCH0068	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/06/95-12/06/95	0	1	
ARCH0069	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/06/78-02/06/90	11	4	
ARCH0073	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/95-02/18/98	2	13	
ARCH0078	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/10/91-01/10/91	0	1	
ARCH0081	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	23	155	T,S
ARCH0082	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/26/78-09/20/79	0	9	
ARCH0085	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/29/77-03/13/78	0	2	
ARCH0086	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/78-12/13/99	21	31	
ARCH0089	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/29/90-12/08/99	9	23	
ARCH0110	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/90-08/23/99	8	21	
ARCH0116	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/97-06/25/98	0	12	
ARCH0117	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/29/77-01/27/81	3	17	
ARCH0118	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/21/77-10/23/78	1	7	
ARCH0120	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/90-03/24/92	1	3	
ARCH0126	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/90-11/28/99	9	14	
ARCH0142	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/05/77-07/05/77	0	1	
ARCH0145	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/05/77-06/13/86	8	12	
ARCH0150	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/24/91-04/28/99	8	9	
ARCH0169	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/90-11/28/99	9	23	
ARCH0172	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/21/77-08/21/78	1	3	
ARCH0174	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/27/99-12/07/99	0	3	
ARCH0176	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/19/76-04/07/81	5	60	
ARCH0177	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/24/78-05/22/96	17	98	
ARCH0178	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/28/76-12/08/99	23	214	
ARCH0002	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/29/89-08/05/99	10	11	
ARCH0177	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/20/53-08/07/62	8	4	
ARCH0090	Yes	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/05/90-05/05/90	0	1	
ARCH0121	Yes	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/24/90-04/24/90	0	1	
ARCH0131	Yes	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/03/90-05/03/90	0	1	
ARCH0165	Yes	00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/24/90-04/24/90	0	1	
ARCH0001	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/29/89-08/05/99	10	11	
ARCH0002	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/29/89-08/05/99	10	44	
ARCH0005	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/29/80-04/29/80	0	1	
ARCH0006	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/27/78-04/29/81	3	3	
ARCH0010	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	08/22/95-10/04/99	4	18	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0012	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/95-04/12/99	3	16	
ARCH0015	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/27/78-12/02/99	21	10	
ARCH0020	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/06/95-12/06/95	0	1	
ARCH0023	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/06/95-04/30/97	1	3	
ARCH0028	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/99-12/21/99	0	2	
ARCH0030	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/82-06/24/98	15	16	
ARCH0033	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/25/83-06/15/83	0	2	
ARCH0034	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/16/85-12/09/99	14	48	
ARCH0035	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/24/95-12/13/99	4	19	
ARCH0036	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/19/78-02/26/81	3	15	
ARCH0038	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/06/89-04/06/89	0	1	
ARCH0039	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/20/80-11/20/80	0	1	
ARCH0042	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	20	145	T
ARCH0046	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/30/95-02/18/98	2	17	
ARCH0068	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/06/95-04/30/97	1	3	
ARCH0073	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/11/95-02/18/98	2	13	
ARCH0078	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/10/91-01/10/91	0	1	
ARCH0081	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	21	154	T
ARCH0085	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/78-03/13/78	0	1	
ARCH0086	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/78-12/13/99	21	30	
ARCH0088	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0089	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/29/90-12/08/99	9	21	
ARCH0090	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/27/84-05/05/90	5	13	
ARCH0108	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/03/85-04/25/90	5	8	
ARCH0109	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/03/85-04/25/90	5	10	
ARCH0110	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/28/90-08/23/99	8	19	
ARCH0113	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	0	1	
ARCH0115	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0116	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/31/97-06/25/98	0	12	
ARCH0117	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/16/79-01/27/81	2	14	
ARCH0118	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/78-10/23/78	0	3	
ARCH0120	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/90-03/24/92	1	3	
ARCH0121	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/05/85-04/24/90	4	8	
ARCH0122	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	0	1	
ARCH0123	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	0	1	
ARCH0124	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0125	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	0	1	
ARCH0126	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/78-10/22/80	2	16	
ARCH0127	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	0	1	
ARCH0128	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	0	1	
ARCH0129	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/13/88-08/14/88	0	2	
ARCH0130	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/90-11/28/99	9	14	
ARCH0131	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/85-05/03/90	5	9	
ARCH0132	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0138	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/13/88-08/13/88	0	1	
ARCH0139	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/13/88-08/13/88	0	1	
ARCH0140	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	0	1	
ARCH0144	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0145	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/78-06/13/86	8	10	
ARCH0150	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/90-11/28/99	9	8	
ARCH0157	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/84-04/24/90	5	13	
ARCH0158	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0159	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/15/88-08/15/88	0	1	
ARCH0160	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	0	1	
ARCH0161	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/24/91-04/28/99	8	9	
ARCH0163	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/15/89-05/03/90	0	2	
ARCH0164	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0165	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/27/84-04/24/90	5	11	
ARCH0166	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0167	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	0	1	
ARCH0168	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	0	1	
ARCH0169	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/90-11/28/99	9	22	
ARCH0170	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	0	1	
ARCH0172	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/14/78-08/21/78	0	3	
ARCH0174	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/04/99-12/07/99	0	3	
ARCH0176	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/19/78-03/11/81	3	39	
ARCH0177	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/21/80-10/21/80	0	1	
ARCH0178	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/06/80-12/08/99	19	197	
ARCH0003	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/78-06/11/78	0	1	
ARCH0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	06/11/78-06/11/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/80-04/29/80	0	1	
ARCH0006	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/78-04/29/81	3	3	
ARCH0007	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	0	1	
ARCH0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/78-06/24/78	0	1	
ARCH0009	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-03/17/77	2	8	
ARCH0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/77-10/04/99	22	30	
ARCH0011	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/78-06/27/78	0	1	
ARCH0012	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/21/91-04/12/99	7	30	
ARCH0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/85-08/15/85	0	1	
ARCH0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/78-02/06/90	11	6	
ARCH0015	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/78-12/02/99	21	11	
ARCH0016	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/85-08/16/85	0	1	
ARCH0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/84-02/06/90	5	3	
ARCH0018	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/78-06/27/78	0	1	
ARCH0019	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/68-11/19/68	0	1	
ARCH0020	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/95-12/06/95	0	1	
ARCH0021	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/85-08/16/85	0	1	
ARCH0022	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/01/64-02/06/90	25	7	
ARCH0023	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/95-12/06/95	0	1	
ARCH0024	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/19/67-10/19/67	0	1	
ARCH0025	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/78-06/24/78	0	1	
ARCH0026	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-03/07/68	0	1	
ARCH0027	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	19	185	T,A
ARCH0028	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/99-12/21/99	0	2	
ARCH0029	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/78-07/01/78	0	1	
ARCH0030	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/82-06/24/98	15	16	
ARCH0031	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/77-08/30/77	0	1	
ARCH0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/78-06/27/78	0	1	
ARCH0033	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/25/83-04/20/83	0	2	
ARCH0034	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-04/29/93	18	7	
ARCH0035	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/95-12/13/99	4	20	
ARCH0036	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/77-04/09/81	3	27	
ARCH0037	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	0	1	
ARCH0039	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	7	157	A
ARCH0040	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/78-06/25/78	0	1	
ARCH0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/78-06/23/78	0	1	
ARCH0042	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-07/16/87	12	24	
ARCH0043	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/19/64-06/03/66	1	42	
ARCH0044	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/78-06/25/78	0	1	
ARCH0046	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/95-02/18/98	2	13	
ARCH0048	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-01/12/89	0	4	
ARCH0049	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-09/25/88	0	2	
ARCH0050	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-01/12/89	0	4	
ARCH0051	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-01/12/89	0	5	
ARCH0052	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-07/28/88	0	1	
ARCH0054	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-01/12/89	0	5	
ARCH0056	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-01/12/89	0	4	
ARCH0057	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/78-07/01/78	0	1	
ARCH0058	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/78-06/25/78	0	1	
ARCH0060	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/88-09/15/88	0	1	
ARCH0062	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/88-09/15/88	0	1	
ARCH0065	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/88-09/15/88	0	1	
ARCH0066	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/88-09/15/88	0	1	
ARCH0068	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/95-12/06/95	0	1	
ARCH0069	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/78-02/06/90	11	4	
ARCH0070	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/19/67-08/15/85	17	2	
ARCH0071	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/78-06/23/78	0	1	
ARCH0072	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	0	1	
ARCH0073	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/11/95-02/18/98	2	13	
ARCH0076	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/08/58-10/08/58	0	1	
ARCH0077	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/85-08/17/85	0	1	
ARCH0078	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/91-01/10/91	0	1	
ARCH0079	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	0	1	
ARCH0081	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	23	168	T,S
ARCH0082	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-10/10/79	5	132	
ARCH0083	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/20/65-06/03/66	1	36	
ARCH0084	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	0	1	
ARCH0085	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/77-03/13/78	0	2	
ARCH0086	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/78-12/13/99	21	31	
ARCH0087	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	17	181	T,A
ARCH0089	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/90-12/08/99	9	23	
ARCH0091	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	08/21/88-09/22/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0092	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	0	2	
ARCH0093	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	0	2	
ARCH0094	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	0	2	
ARCH0096	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-08/21/88	0	1	
ARCH0097	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	0	2	
ARCH0098	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	0	2	
ARCH0099	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	0	2	
ARCH0100	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	0	2	
ARCH0101	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	0	2	
ARCH0102	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/78-06/22/78	0	1	
ARCH0103	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/77-08/22/77	0	1	
ARCH0104	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/78-06/22/78	0	1	
ARCH0105	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/78-06/22/78	0	1	
ARCH0106	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/70-09/15/70	0	1	
ARCH0110	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/70-09/15/70	0	1	
ARCH0114	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/78-06/21/78	0	1	
ARCH0116	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/97-06/25/98	0	12	
ARCH0117	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/77-01/27/81	3	17	
ARCH0118	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/77-10/23/78	1	9	
ARCH0120	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/90-03/24/92	1	3	
ARCH0126	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/90-11/28/99	9	14	
ARCH0133	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/70-09/15/70	0	1	
ARCH0134	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	0	1	
ARCH0135	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/18/79-07/18/79	0	1	
ARCH0136	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/06/80-10/08/81	1	15	
ARCH0137	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/22/79-09/27/79	0	7	
ARCH0141	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/78-06/26/78	0	1	
ARCH0142	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/77-07/05/77	0	1	
ARCH0143	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	0	1	
ARCH0145	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/77-06/13/86	8	12	
ARCH0146	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	0	1	
ARCH0147	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/78-06/21/78	0	1	
ARCH0148	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	0	1	
ARCH0149	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/79-08/14/79	0	4	
ARCH0150	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/97-06/25/98	0	12	
ARCH0151	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/26/85-11/26/85	0	1	
ARCH0152	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	0	1	
ARCH0153	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	0	1	
ARCH0154	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/90-11/28/99	9	8	
ARCH0156	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/90-11/28/99	9	23	
ARCH0171	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/78-07/08/78	0	1	
ARCH0172	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/77-08/21/78	1	10	
ARCH0173	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/78-07/05/78	0	1	
ARCH0174	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/27/99-12/07/99	0	3	
ARCH0175	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/10/85-06/10/85	0	1	
ARCH0176	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/19/76-04/07/81	5	64	
ARCH0177	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/35-08/26/96	60	1562	
ARCH0178	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/76-12/08/99	23	218	
ARCH0180	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/23/85-11/23/85	0	1	
ARCH0181	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/54-04/24/59	5	3	
ARCH0182	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/13/85-12/13/85	0	1	
ARCH0183	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/02/78-07/02/78	0	1	
ARCH0001	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/29/89-08/05/99	10	11	
ARCH0010	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/19/92-10/04/99	7	29	
ARCH0012	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/21/91-04/12/99	7	30	
ARCH0015	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/12/95-12/02/99	4	9	
ARCH0020	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0023	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0028	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/29/99-12/21/99	0	2	
ARCH0030	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/31/97-06/24/98	0	12	
ARCH0034	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	04/29/93-04/29/93	0	1	
ARCH0035	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/24/95-12/13/99	4	20	

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From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0042	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/16/85-02/21/91	5	34	
ARCH0046	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	03/30/95-02/18/98	2	13	
ARCH0068	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0073	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/11/95-02/18/98	2	13	
ARCH0078	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/02/85-01/21/99	14	87	T
ARCH0086	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/12/95-12/13/99	4	12	
ARCH0089	Yes	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/29/90-12/08/99	9	23	
ARCH0110	Yes	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/28/90-08/23/99	8	21	
ARCH0116	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/31/97-06/25/98	0	12	
ARCH0120	Yes	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/22/90-03/24/92	1	3	
ARCH0130	Yes	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/22/90-11/28/99	9	14	
ARCH0145	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	06/13/86-06/13/86	0	1	
ARCH0150	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	04/24/91-04/28/99	8	9	
ARCH0169	Yes	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/20/90-11/28/99	9	23	
ARCH0174	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	04/27/99-12/07/99	0	3	
ARCH0178	No	00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/02/85-12/08/99	14	121	
ARCH0088	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0113	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/88-08/14/88	0	1	
ARCH0115	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0122	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/06/79-10/06/79	0	1	
ARCH0123	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/88-08/14/88	0	1	
ARCH0124	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0125	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/88-08/14/88	0	1	
ARCH0129	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/13/88-08/14/88	0	2	
ARCH0132	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0138	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/13/88-08/13/88	0	1	
ARCH0139	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/13/88-08/13/88	0	1	
ARCH0140	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/06/79-10/06/79	0	1	
ARCH0144	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0158	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0159	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/88-08/15/88	0	1	
ARCH0160	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/06/79-10/06/79	0	1	
ARCH0164	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0166	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0167	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/06/79-10/06/79	0	1	
ARCH0170	Yes	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	0	1	
ARCH0001	No	00300	OXYGEN, DISSOLVED MG/L	05/29/89-08/05/99	10	11	
ARCH0002	No	00300	OXYGEN, DISSOLVED MG/L	05/29/89-08/05/99	10	44	
ARCH0005	No	00300	OXYGEN, DISSOLVED MG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	00300	OXYGEN, DISSOLVED MG/L	03/27/78-04/29/81	3	3	
ARCH0010	No	00300	OXYGEN, DISSOLVED MG/L	08/22/95-08/22/95	0	1	
ARCH0012	No	00300	OXYGEN, DISSOLVED MG/L	08/22/95-08/22/95	0	1	
ARCH0015	No	00300	OXYGEN, DISSOLVED MG/L	03/27/78-12/02/99	21	4	
ARCH0023	No	00300	OXYGEN, DISSOLVED MG/L	12/06/95-12/06/95	0	1	
ARCH0030	No	00300	OXYGEN, DISSOLVED MG/L	07/13/82-06/24/98	15	15	
ARCH0031	No	00300	OXYGEN, DISSOLVED MG/L	08/30/77-08/30/77	0	1	
ARCH0033	No	00300	OXYGEN, DISSOLVED MG/L	02/25/83-06/15/83	0	2	
ARCH0034	No	00300	OXYGEN, DISSOLVED MG/L	07/16/85-12/09/99	14	45	
ARCH0035	No	00300	OXYGEN, DISSOLVED MG/L	10/23/96-04/07/99	2	14	
ARCH0036	No	00300	OXYGEN, DISSOLVED MG/L	09/15/77-02/26/81	3	18	
ARCH0038	No	00300	OXYGEN, DISSOLVED MG/L	04/06/89-04/06/89	0	1	
ARCH0039	No	00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	7	136	A
ARCH0042	No	00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	20	142	T
ARCH0046	No	00300	OXYGEN, DISSOLVED MG/L	03/30/95-02/18/98	2	17	
ARCH0073	No	00300	OXYGEN, DISSOLVED MG/L	05/11/95-02/18/98	2	13	
ARCH0078	No	00300	OXYGEN, DISSOLVED MG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	23	156	T,S
ARCH0082	No	00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/20/79	5	111	
ARCH0086	No	00300	OXYGEN, DISSOLVED MG/L	03/13/79-04/07/99	20	15	
ARCH0089	Yes	00300	OXYGEN, DISSOLVED MG/L	08/29/90-12/08/99	9	20	
ARCH0090	Yes	00300	OXYGEN, DISSOLVED MG/L	12/27/84-05/05/90	5	12	
ARCH0108	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/85-04/25/90	5	8	
ARCH0109	Yes	00300	OXYGEN, DISSOLVED MG/L	01/03/85-04/25/90	5	10	
ARCH0110	Yes	00300	OXYGEN, DISSOLVED MG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00300	OXYGEN, DISSOLVED MG/L	08/28/90-08/23/99	8	18	
ARCH0116	No	00300	OXYGEN, DISSOLVED MG/L	07/31/97-06/25/98	0	12	
ARCH0117	No	00300	OXYGEN, DISSOLVED MG/L	03/13/79-01/27/81	1	11	
ARCH0118	No	00300	OXYGEN, DISSOLVED MG/L	06/21/77-09/20/77	0	3	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0120	Yes	00300	OXYGEN, DISSOLVED MG/L	08/22/90-03/24/92	1	3	
ARCH0121	Yes	00300	OXYGEN, DISSOLVED MG/L	05/05/85-04/24/90	4	7	
ARCH0126	No	00300	OXYGEN, DISSOLVED MG/L	03/13/79-10/22/80	1	11	
ARCH0130	Yes	00300	OXYGEN, DISSOLVED MG/L	08/22/90-08/16/99	8	13	
ARCH0131	Yes	00300	OXYGEN, DISSOLVED MG/L	05/03/85-05/03/90	5	8	
ARCH0145	No	00300	OXYGEN, DISSOLVED MG/L	03/13/79-06/13/86	7	5	
ARCH0150	No	00300	OXYGEN, DISSOLVED MG/L	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00300	OXYGEN, DISSOLVED MG/L	08/20/90-11/28/99	9	8	
ARCH0157	Yes	00300	OXYGEN, DISSOLVED MG/L	12/21/84-04/24/90	5	12	
ARCH0161	Yes	00300	OXYGEN, DISSOLVED MG/L	04/24/91-04/28/99	8	9	
ARCH0163	Yes	00300	OXYGEN, DISSOLVED MG/L	05/15/89-05/03/90	0	2	
ARCH0165	Yes	00300	OXYGEN, DISSOLVED MG/L	12/27/84-04/24/90	5	10	
ARCH0169	Yes	00300	OXYGEN, DISSOLVED MG/L	08/20/90-11/28/99	9	21	
ARCH0172	No	00300	OXYGEN, DISSOLVED MG/L	06/21/77-07/25/77	0	2	
ARCH0174	No	00300	OXYGEN, DISSOLVED MG/L	03/04/99-12/07/99	0	4	
ARCH0176	No	00300	OXYGEN, DISSOLVED MG/L	02/19/76-03/11/81	5	40	
ARCH0177	No	00300	OXYGEN, DISSOLVED MG/L	10/15/70-08/26/96	25	181	
ARCH0178	No	00300	OXYGEN, DISSOLVED MG/L	07/08/76-12/08/99	23	200	
ARCH0005	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/29/80-04/29/80	0	1	
ARCH0009	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-03/17/77	0	8	
ARCH0034	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	23	32	S
ARCH0036	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/15/77-11/08/79	2	18	
ARCH0042	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	23	173	T,S
ARCH0073	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/95-05/11/95	0	1	
ARCH0074	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/03/75-03/18/76	0	3	
ARCH0081	No	00310	BOD, 5 DAY, 20 DEG C MG/L	02/19/76-12/09/99	23	53	S
ARCH0086	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/20/78-08/06/80	1	10	
ARCH0117	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/16/79-04/16/80	1	7	
ARCH0118	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/77-09/20/78	1	4	
ARCH0126	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/12/77-04/16/80	2	9	
ARCH0145	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/12/77-09/25/79	2	7	
ARCH0172	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/77-02/14/78	0	2	
ARCH0176	No	00310	BOD, 5 DAY, 20 DEG C MG/L	02/19/76-11/21/79	3	29	
ARCH0178	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/08/76-11/30/77	1	15	
ARCH0042	No	00311	BOD, DISSOLVED, 5 DAY MG/L	08/10/95-08/10/95	0	1	
ARCH0001	No	00335	COD, .025N K2CR2O7 MG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	00335	COD, .025N K2CR2O7 MG/L	05/29/89-08/02/89	0	6	
ARCH0005	No	00335	COD, .025N K2CR2O7 MG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	00335	COD, .025N K2CR2O7 MG/L	04/29/80-04/29/81	1	2	
ARCH0009	No	00335	COD, .025N K2CR2O7 MG/L	01/12/77-01/12/77	0	1	
ARCH0015	No	00335	COD, .025N K2CR2O7 MG/L	04/29/81-04/29/81	0	1	
ARCH0030	No	00335	COD, .025N K2CR2O7 MG/L	07/13/82-12/29/82	0	4	
ARCH0031	No	00335	COD, .025N K2CR2O7 MG/L	08/30/77-08/30/77	0	1	
ARCH0033	No	00335	COD, .025N K2CR2O7 MG/L	02/25/83-06/15/83	0	2	
ARCH0036	No	00335	COD, .025N K2CR2O7 MG/L	07/15/77-04/09/81	3	20	
ARCH0042	No	00335	COD, .025N K2CR2O7 MG/L	07/15/77-11/08/79	2	16	
ARCH0046	No	00335	COD, .025N K2CR2O7 MG/L	11/15/95-11/15/95	0	1	
ARCH0081	No	00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	19	115	T
ARCH0085	No	00335	COD, .025N K2CR2O7 MG/L	08/29/77-08/29/77	0	1	
ARCH0086	No	00335	COD, .025N K2CR2O7 MG/L	12/13/79-07/20/82	2	10	
ARCH0117	No	00335	COD, .025N K2CR2O7 MG/L	08/29/77-01/27/81	3	10	
ARCH0118	No	00335	COD, .025N K2CR2O7 MG/L	06/21/77-09/20/77	0	4	
ARCH0126	No	00335	COD, .025N K2CR2O7 MG/L	12/13/79-10/22/80	0	9	
ARCH0145	No	00335	COD, .025N K2CR2O7 MG/L	12/13/79-06/13/86	6	2	
ARCH0169	Yes	00335	COD, .025N K2CR2O7 MG/L	05/09/91-05/09/91	0	1	
ARCH0172	No	00335	COD, .025N K2CR2O7 MG/L	06/21/77-02/14/78	0	3	
ARCH0176	No	00335	COD, .025N K2CR2O7 MG/L	02/19/76-04/07/81	5	47	
ARCH0178	No	00335	COD, .025N K2CR2O7 MG/L	07/08/76-06/21/90	13	142	
ARCH0039	No	00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	5	64	
ARCH0082	No	00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	5	64	
ARCH0001	No	00400	PH (STANDARD UNITS)	05/29/89-05/29/89	0	1	
ARCH0002	No	00400	PH (STANDARD UNITS)	05/29/89-08/05/99	10	11	
ARCH0003	No	00400	PH (STANDARD UNITS)	06/11/78-06/11/78	0	1	
ARCH0004	No	00400	PH (STANDARD UNITS)	06/11/78-06/11/78	0	1	
ARCH0006	No	00400	PH (STANDARD UNITS)	03/27/78-03/27/78	0	1	
ARCH0007	No	00400	PH (STANDARD UNITS)	06/28/78-06/28/78	0	1	
ARCH0008	No	00400	PH (STANDARD UNITS)	06/24/78-06/24/78	0	1	
ARCH0009	No	00400	PH (STANDARD UNITS)	01/28/75-03/17/77	2	15	
ARCH0010	No	00400	PH (STANDARD UNITS)	03/30/77-10/04/99	22	29	
ARCH0011	No	00400	PH (STANDARD UNITS)	06/27/78-06/27/78	0	1	
ARCH0012	No	00400	PH (STANDARD UNITS)	07/21/91-04/12/99	7	28	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0013	No	00400	PH (STANDARD UNITS)	08/15/85-08/15/85	0	1	
ARCH0015	No	00400	PH (STANDARD UNITS)	03/27/78-12/02/99	21	10	
ARCH0016	No	00400	PH (STANDARD UNITS)	08/16/85-08/16/85	0	1	
ARCH0018	No	00400	PH (STANDARD UNITS)	06/27/78-06/27/78	0	1	
ARCH0019	No	00400	PH (STANDARD UNITS)	11/19/68-11/19/68	0	1	
ARCH0020	No	00400	PH (STANDARD UNITS)	12/06/95-12/06/95	0	1	
ARCH0021	No	00400	PH (STANDARD UNITS)	08/16/85-08/16/85	0	1	
ARCH0023	No	00400	PH (STANDARD UNITS)	12/06/95-12/06/95	0	1	
ARCH0024	No	00400	PH (STANDARD UNITS)	10/19/67-10/19/67	0	1	
ARCH0025	No	00400	PH (STANDARD UNITS)	06/24/78-06/24/78	0	1	
ARCH0026	No	00400	PH (STANDARD UNITS)	03/07/68-03/07/68	0	1	
ARCH0028	No	00400	PH (STANDARD UNITS)	07/29/99-12/21/99	0	2	
ARCH0029	No	00400	PH (STANDARD UNITS)	07/01/78-07/01/78	0	1	
ARCH0030	No	00400	PH (STANDARD UNITS)	07/31/97-06/24/98	0	12	
ARCH0031	No	00400	PH (STANDARD UNITS)	08/30/77-08/30/77	0	1	
ARCH0032	No	00400	PH (STANDARD UNITS)	06/27/78-06/27/78	0	1	
ARCH0034	No	00400	PH (STANDARD UNITS)	01/28/75-04/29/93	18	12	
ARCH0035	No	00400	PH (STANDARD UNITS)	07/24/95-12/13/99	4	20	
ARCH0036	No	00400	PH (STANDARD UNITS)	07/15/77-11/08/79	2	21	
ARCH0037	No	00400	PH (STANDARD UNITS)	06/28/78-06/28/78	0	1	
ARCH0039	No	00400	PH (STANDARD UNITS)	02/26/74-09/22/81	7	154	A
ARCH0040	No	00400	PH (STANDARD UNITS)	06/25/78-06/25/78	0	1	
ARCH0041	No	00400	PH (STANDARD UNITS)	06/23/78-06/23/78	0	1	
ARCH0042	No	00400	PH (STANDARD UNITS)	01/28/75-02/13/92	17	116	T
ARCH0043	No	00400	PH (STANDARD UNITS)	09/19/64-06/23/69	4	43	
ARCH0044	No	00400	PH (STANDARD UNITS)	06/25/78-06/25/78	0	1	
ARCH0046	No	00400	PH (STANDARD UNITS)	03/30/95-02/18/98	2	13	
ARCH0057	No	00400	PH (STANDARD UNITS)	07/01/78-07/01/78	0	1	
ARCH0058	No	00400	PH (STANDARD UNITS)	06/25/78-06/25/78	0	1	
ARCH0068	No	00400	PH (STANDARD UNITS)	12/06/95-12/06/95	0	1	
ARCH0070	No	00400	PH (STANDARD UNITS)	10/19/67-08/15/85	17	2	
ARCH0071	No	00400	PH (STANDARD UNITS)	06/23/78-06/23/78	0	1	
ARCH0072	No	00400	PH (STANDARD UNITS)	06/28/78-06/28/78	0	1	
ARCH0073	No	00400	PH (STANDARD UNITS)	05/11/95-02/18/98	2	13	
ARCH0074	No	00400	PH (STANDARD UNITS)	11/22/74-03/24/77	2	14	
ARCH0075	No	00400	PH (STANDARD UNITS)	11/22/74-04/13/76	1	3	
ARCH0076	No	00400	PH (STANDARD UNITS)	10/08/58-10/08/58	0	1	
ARCH0077	No	00400	PH (STANDARD UNITS)	08/17/85-08/17/85	0	1	
ARCH0078	No	00400	PH (STANDARD UNITS)	01/10/91-01/10/91	0	1	
ARCH0079	No	00400	PH (STANDARD UNITS)	06/28/78-06/28/78	0	1	
ARCH0081	No	00400	PH (STANDARD UNITS)	01/28/75-01/21/99	23	121	T,S
ARCH0082	No	00400	PH (STANDARD UNITS)	02/26/74-10/10/79	5	127	
ARCH0083	No	00400	PH (STANDARD UNITS)	01/20/65-06/03/66	1	36	
ARCH0084	No	00400	PH (STANDARD UNITS)	06/28/78-06/28/78	0	1	
ARCH0085	No	00400	PH (STANDARD UNITS)	08/29/77-03/13/78	0	2	
ARCH0086	No	00400	PH (STANDARD UNITS)	03/14/78-12/13/99	21	20	
ARCH0089	Yes	00400	PH (STANDARD UNITS)	08/29/90-12/08/99	9	23	
ARCH0090	Yes	00400	PH (STANDARD UNITS)	12/27/84-05/05/90	5	11	
ARCH0102	No	00400	PH (STANDARD UNITS)	06/22/78-06/22/78	0	1	
ARCH0103	No	00400	PH (STANDARD UNITS)	08/22/77-08/22/77	0	1	
ARCH0104	No	00400	PH (STANDARD UNITS)	06/22/78-06/22/78	0	1	
ARCH0105	No	00400	PH (STANDARD UNITS)	06/22/78-06/22/78	0	1	
ARCH0106	Yes	00400	PH (STANDARD UNITS)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00400	PH (STANDARD UNITS)	09/15/70-09/15/70	0	1	
ARCH0108	Yes	00400	PH (STANDARD UNITS)	05/01/85-04/25/90	4	7	
ARCH0109	Yes	00400	PH (STANDARD UNITS)	05/01/85-04/25/90	4	9	
ARCH0110	Yes	00400	PH (STANDARD UNITS)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00400	PH (STANDARD UNITS)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00400	PH (STANDARD UNITS)	09/15/70-09/15/70	0	1	
ARCH0114	No	00400	PH (STANDARD UNITS)	06/21/78-06/21/78	0	1	
ARCH0116	No	00400	PH (STANDARD UNITS)	07/31/97-06/25/98	0	12	
ARCH0117	No	00400	PH (STANDARD UNITS)	08/29/77-12/13/79	2	9	
ARCH0118	No	00400	PH (STANDARD UNITS)	06/21/77-10/23/78	1	10	
ARCH0120	Yes	00400	PH (STANDARD UNITS)	08/22/90-03/24/92	1	3	
ARCH0121	Yes	00400	PH (STANDARD UNITS)	05/05/85-04/24/90	4	7	
ARCH0126	No	00400	PH (STANDARD UNITS)	07/12/77-12/13/79	2	9	
ARCH0130	Yes	00400	PH (STANDARD UNITS)	08/22/90-11/28/99	9	14	
ARCH0131	Yes	00400	PH (STANDARD UNITS)	05/03/85-05/03/90	5	8	
ARCH0133	Yes	00400	PH (STANDARD UNITS)	09/15/70-09/15/70	0	1	
ARCH0134	No	00400	PH (STANDARD UNITS)	07/17/79-07/17/79	0	1	
ARCH0135	No	00400	PH (STANDARD UNITS)	07/18/79-07/18/79	0	1	
ARCH0136	No	00400	PH (STANDARD UNITS)	02/06/80-10/08/81	1	15	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0137	No	00400	PH (STANDARD UNITS)	03/22/79-09/27/79	0	7	
ARCH0141	No	00400	PH (STANDARD UNITS)	06/26/78-06/26/78	0	1	
ARCH0142	No	00400	PH (STANDARD UNITS)	07/05/77-07/05/77	0	1	
ARCH0143	No	00400	PH (STANDARD UNITS)	07/17/79-07/17/79	0	1	
ARCH0145	No	00400	PH (STANDARD UNITS)	07/05/77-12/13/79	2	11	
ARCH0146	No	00400	PH (STANDARD UNITS)	07/17/79-07/17/79	0	1	
ARCH0147	No	00400	PH (STANDARD UNITS)	06/21/78-06/21/78	0	1	
ARCH0148	No	00400	PH (STANDARD UNITS)	07/17/79-07/17/79	0	1	
ARCH0149	No	00400	PH (STANDARD UNITS)	03/21/79-08/14/79	0	4	
ARCH0150	No	00400	PH (STANDARD UNITS)	07/31/97-06/25/98	0	12	
ARCH0151	No	00400	PH (STANDARD UNITS)	11/26/85-11/26/85	0	1	
ARCH0152	No	00400	PH (STANDARD UNITS)	06/28/78-06/28/78	0	1	
ARCH0153	No	00400	PH (STANDARD UNITS)	07/17/79-07/17/79	0	1	
ARCH0154	Yes	00400	PH (STANDARD UNITS)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	00400	PH (STANDARD UNITS)	08/20/90-11/28/99	9	8	
ARCH0156	No	00400	PH (STANDARD UNITS)	07/17/79-07/17/79	0	1	
ARCH0157	Yes	00400	PH (STANDARD UNITS)	12/21/84-04/24/90	5	13	
ARCH0161	Yes	00400	PH (STANDARD UNITS)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00400	PH (STANDARD UNITS)	09/16/70-09/16/70	0	1	
ARCH0163	Yes	00400	PH (STANDARD UNITS)	05/15/89-05/03/90	0	2	
ARCH0165	Yes	00400	PH (STANDARD UNITS)	12/27/84-04/24/90	5	11	
ARCH0169	Yes	00400	PH (STANDARD UNITS)	08/20/90-11/28/99	9	23	
ARCH0172	No	00400	PH (STANDARD UNITS)	06/21/77-08/21/78	1	7	
ARCH0174	No	00400	PH (STANDARD UNITS)	04/27/99-12/07/99	0	3	
ARCH0175	No	00400	PH (STANDARD UNITS)	06/10/85-06/10/85	0	1	
ARCH0176	No	00400	PH (STANDARD UNITS)	02/19/76-12/13/79	3	44	
ARCH0177	No	00400	PH (STANDARD UNITS)	10/11/45-08/26/96	50	1046	
ARCH0178	No	00400	PH (STANDARD UNITS)	07/08/76-12/08/99	23	123	
ARCH0180	No	00400	PH (STANDARD UNITS)	11/23/85-11/23/85	0	1	
ARCH0181	No	00400	PH (STANDARD UNITS)	04/17/54-04/24/59	5	3	
ARCH0182	No	00400	PH (STANDARD UNITS)	12/13/85-12/13/85	0	1	
ARCH0183	No	00400	PH (STANDARD UNITS)	07/02/78-07/02/78	0	1	
ARCH0013	No	00403	PH, LAB, STANDARD UNITS SU	08/15/85-08/15/85	0	1	
ARCH0014	No	00403	PH, LAB, STANDARD UNITS SU	06/06/78-02/06/90	11	6	
ARCH0016	No	00403	PH, LAB, STANDARD UNITS SU	08/16/85-08/16/85	0	1	
ARCH0017	No	00403	PH, LAB, STANDARD UNITS SU	12/10/84-02/06/90	5	3	
ARCH0021	No	00403	PH, LAB, STANDARD UNITS SU	08/16/85-08/16/85	0	1	
ARCH0022	No	00403	PH, LAB, STANDARD UNITS SU	04/01/64-02/06/90	25	7	
ARCH0039	No	00403	PH, LAB, STANDARD UNITS SU	11/20/80-09/22/81	0	11	
ARCH0069	No	00403	PH, LAB, STANDARD UNITS SU	06/06/78-02/06/90	11	4	
ARCH0070	No	00403	PH, LAB, STANDARD UNITS SU	08/15/85-08/15/85	0	1	
ARCH0077	No	00403	PH, LAB, STANDARD UNITS SU	08/17/85-08/17/85	0	1	
ARCH0136	No	00403	PH, LAB, STANDARD UNITS SU	03/06/81-10/08/81	0	7	
ARCH0151	No	00403	PH, LAB, STANDARD UNITS SU	11/26/85-11/26/85	0	1	
ARCH0175	No	00403	PH, LAB, STANDARD UNITS SU	06/10/85-06/10/85	0	1	
ARCH0177	No	00403	PH, LAB, STANDARD UNITS SU	10/21/80-05/22/96	15	112	
ARCH0180	No	00403	PH, LAB, STANDARD UNITS SU	11/23/85-11/23/85	0	1	
ARCH0182	No	00403	PH, LAB, STANDARD UNITS SU	12/13/85-12/13/85	0	1	
ARCH0001	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/29/89-05/29/89	0	1	
ARCH0002	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/29/89-08/05/99	10	11	
ARCH0005	No	00405	CARBON DIOXIDE (MG/L AS CO2)	04/29/80-04/29/80	0	1	
ARCH0006	No	00405	CARBON DIOXIDE (MG/L AS CO2)	03/27/78-04/29/81	3	4	
ARCH0009	No	00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-03/17/77	2	14	
ARCH0010	No	00405	CARBON DIOXIDE (MG/L AS CO2)	03/30/77-10/04/99	22	32	
ARCH0012	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/21/91-04/12/99	7	31	
ARCH0014	No	00405	CARBON DIOXIDE (MG/L AS CO2)	04/15/81-02/06/90	8	4	
ARCH0015	No	00405	CARBON DIOXIDE (MG/L AS CO2)	03/27/78-12/02/99	21	12	
ARCH0017	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/10/84-02/06/90	5	2	
ARCH0020	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/06/95-12/06/95	0	1	
ARCH0022	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/30/81-02/06/90	8	4	
ARCH0023	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/06/95-12/06/95	0	1	
ARCH0028	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/29/99-12/21/99	0	2	
ARCH0030	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/13/82-06/03/98	15	15	
ARCH0031	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/30/77-08/30/77	0	2	
ARCH0033	No	00405	CARBON DIOXIDE (MG/L AS CO2)	02/25/83-06/15/83	0	3	
ARCH0034	No	00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-04/29/93	18	13	
ARCH0035	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/24/95-12/13/99	4	19	
ARCH0036	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/15/77-04/09/81	3	39	
ARCH0039	No	00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	6	71	
ARCH0042	No	00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-02/21/91	16	57	
ARCH0046	No	00405	CARBON DIOXIDE (MG/L AS CO2)	03/30/95-02/18/98	2	13	
ARCH0068	No	00405	CARBON DIOXIDE (MG/L AS CO2)	12/06/95-12/06/95	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0069	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/81-02/06/90	8	3	
ARCH0073	No	00405	CARBON DIOXIDE (MG/L AS CO2)	05/11/95-02/18/98	2	13	
ARCH0078	No	00405	CARBON DIOXIDE (MG/L AS CO2)	01/10/91-01/10/91	0	1	
ARCH0081	No	00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	23	182	T,S
ARCH0082	No	00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/20/79	5	60	
ARCH0085	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/77-03/13/78	0	4	
ARCH0086	No	00405	CARBON DIOXIDE (MG/L AS CO2)	03/14/78-12/13/99	21	30	
ARCH0089	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/90-12/08/99	9	23	
ARCH0106	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/70-09/15/70	0	1	
ARCH0110	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/28/90-08/23/99	8	21	
ARCH0116	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/97-06/04/98	0	11	
ARCH0117	No	00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/77-01/27/81	3	19	
ARCH0118	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/21/77-10/23/78	1	16	
ARCH0120	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/22/90-03/24/92	1	3	
ARCH0126	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/12/77-10/22/80	3	18	
ARCH0130	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/22/90-11/28/99	9	14	
ARCH0142	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/05/77-07/05/77	0	2	
ARCH0145	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/05/77-06/13/86	8	16	
ARCH0150	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/97-06/04/98	0	11	
ARCH0155	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	04/24/91-04/28/99	8	9	
ARCH0169	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/20/90-11/28/99	9	23	
ARCH0172	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/21/77-08/21/78	1	8	
ARCH0174	No	00405	CARBON DIOXIDE (MG/L AS CO2)	04/27/99-12/07/99	0	3	
ARCH0176	No	00405	CARBON DIOXIDE (MG/L AS CO2)	02/19/76-04/07/81	5	80	
ARCH0177	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/11/45-06/23/80	34	142	
ARCH0178	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/28/76-12/08/99	23	228	
ARCH0001	No	00406	PH, FIELD, STANDARD UNITS SU	05/29/89-08/05/99	10	11	
ARCH0002	No	00406	PH, FIELD, STANDARD UNITS SU	05/29/89-08/05/99	10	44	
ARCH0005	No	00406	PH, FIELD, STANDARD UNITS SU	04/29/80-04/29/80	0	1	
ARCH0006	No	00406	PH, FIELD, STANDARD UNITS SU	04/29/80-04/29/81	1	2	
ARCH0009	No	00406	PH, FIELD, STANDARD UNITS SU	06/15/76-03/17/77	0	3	
ARCH0010	No	00406	PH, FIELD, STANDARD UNITS SU	04/04/94-10/04/99	5	19	
ARCH0012	No	00406	PH, FIELD, STANDARD UNITS SU	04/04/94-04/12/99	5	17	
ARCH0015	No	00406	PH, FIELD, STANDARD UNITS SU	04/29/81-12/02/99	18	10	
ARCH0020	No	00406	PH, FIELD, STANDARD UNITS SU	12/06/95-12/06/95	0	1	
ARCH0023	No	00406	PH, FIELD, STANDARD UNITS SU	12/06/95-01/22/97	1	2	
ARCH0028	No	00406	PH, FIELD, STANDARD UNITS SU	07/29/99-12/21/99	0	2	
ARCH0030	No	00406	PH, FIELD, STANDARD UNITS SU	07/13/82-06/24/98	15	16	
ARCH0033	No	00406	PH, FIELD, STANDARD UNITS SU	02/25/83-06/15/83	0	2	
ARCH0034	No	00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	23	50	S
ARCH0035	No	00406	PH, FIELD, STANDARD UNITS SU	07/24/95-12/13/99	4	20	
ARCH0036	No	00406	PH, FIELD, STANDARD UNITS SU	09/15/77-02/26/81	3	18	
ARCH0038	No	00406	PH, FIELD, STANDARD UNITS SU	04/06/89-04/06/89	0	1	
ARCH0042	No	00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	23	163	T,S
ARCH0046	No	00406	PH, FIELD, STANDARD UNITS SU	03/30/95-02/18/98	2	17	
ARCH0047	No	00406	PH, FIELD, STANDARD UNITS SU	10/05/89-10/16/89	0	2	
ARCH0048	No	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	1	6	
ARCH0050	No	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	1	7	
ARCH0051	No	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	1	7	
ARCH0053	No	00406	PH, FIELD, STANDARD UNITS SU	10/05/89-10/16/89	0	2	
ARCH0054	No	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	1	6	
ARCH0055	No	00406	PH, FIELD, STANDARD UNITS SU	10/05/89-10/16/89	0	2	
ARCH0056	No	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	1	5	
ARCH0059	No	00406	PH, FIELD, STANDARD UNITS SU	07/31/89-10/16/89	0	3	
ARCH0060	No	00406	PH, FIELD, STANDARD UNITS SU	07/31/89-10/16/89	0	4	
ARCH0061	No	00406	PH, FIELD, STANDARD UNITS SU	07/31/89-10/16/89	0	4	
ARCH0062	No	00406	PH, FIELD, STANDARD UNITS SU	07/31/89-10/16/89	0	3	
ARCH0064	No	00406	PH, FIELD, STANDARD UNITS SU	09/13/89-10/16/89	0	2	
ARCH0065	No	00406	PH, FIELD, STANDARD UNITS SU	08/15/89-10/16/89	0	2	
ARCH0066	No	00406	PH, FIELD, STANDARD UNITS SU	07/25/89-10/16/89	0	4	
ARCH0068	No	00406	PH, FIELD, STANDARD UNITS SU	12/06/95-01/22/97	1	2	
ARCH0073	No	00406	PH, FIELD, STANDARD UNITS SU	05/11/95-01/15/98	2	12	
ARCH0078	No	00406	PH, FIELD, STANDARD UNITS SU	01/10/91-01/10/91	0	1	
ARCH0081	No	00406	PH, FIELD, STANDARD UNITS SU	02/19/76-12/09/99	23	152	T,S
ARCH0086	No	00406	PH, FIELD, STANDARD UNITS SU	01/16/79-12/13/99	20	24	
ARCH0088	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0089	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/29/90-12/08/99	9	21	
ARCH0091	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-07/30/89	0	3	
ARCH0092	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	6	
ARCH0093	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	6	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0094	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	5	
ARCH0096	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	3	
ARCH0097	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	5	
ARCH0098	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	4	
ARCH0099	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	6	
ARCH0100	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	0	4	
ARCH0110	Yes	00406	PH, FIELD, STANDARD UNITS SU	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/28/90-08/23/99	8	19	
ARCH0113	No	00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	0	1	
ARCH0115	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0116	No	00406	PH, FIELD, STANDARD UNITS SU	07/31/97-06/25/98	0	12	
ARCH0117	No	00406	PH, FIELD, STANDARD UNITS SU	01/16/79-01/27/81	2	10	
ARCH0120	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/22/90-03/24/92	1	3	
ARCH0122	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/06/79	0	1	
ARCH0123	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	0	1	
ARCH0124	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0125	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	0	1	
ARCH0126	No	00406	PH, FIELD, STANDARD UNITS SU	01/16/79-10/22/80	1	10	
ARCH0127	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	0	1	
ARCH0128	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	0	1	
ARCH0129	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/13/88-08/14/88	0	2	
ARCH0130	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/22/90-11/28/99	9	14	
ARCH0132	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0138	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/13/88-08/13/88	0	1	
ARCH0139	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/13/88-08/13/88	0	1	
ARCH0140	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/06/79	0	1	
ARCH0144	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0145	No	00406	PH, FIELD, STANDARD UNITS SU	01/16/79-06/13/86	7	5	
ARCH0150	No	00406	PH, FIELD, STANDARD UNITS SU	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/20/90-11/28/99	9	8	
ARCH0158	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0159	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/88-08/15/88	0	1	
ARCH0160	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/07/79	0	2	
ARCH0161	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/24/91-04/28/99	8	9	
ARCH0164	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0166	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0167	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/06/79	0	1	
ARCH0168	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/06/79	0	1	
ARCH0169	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/20/90-11/28/99	9	22	
ARCH0170	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	0	1	
ARCH0174	No	00406	PH, FIELD, STANDARD UNITS SU	03/04/99-12/07/99	0	4	
ARCH0176	No	00406	PH, FIELD, STANDARD UNITS SU	02/19/76-01/06/81	4	35	
ARCH0178	No	00406	PH, FIELD, STANDARD UNITS SU	07/08/76-12/08/99	23	206	
ARCH0001	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/29/89-05/29/89	0	1	
ARCH0002	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/29/89-08/05/99	10	15	
ARCH0005	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/80-04/29/80	0	1	
ARCH0006	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/27/78-04/29/81	3	3	
ARCH0009	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-03/17/77	2	7	
ARCH0010	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/30/77-10/04/99	22	31	
ARCH0012	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/21/91-04/12/99	7	31	
ARCH0014	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/78-02/06/90	11	6	
ARCH0015	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/27/78-12/02/99	21	11	
ARCH0017	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/10/84-02/06/90	5	3	
ARCH0019	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/19/68-11/19/68	0	1	
ARCH0020	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	0	1	
ARCH0022	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/01/64-02/06/90	25	7	
ARCH0023	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	0	1	
ARCH0028	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/99-12/21/99	0	2	
ARCH0030	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/82-06/24/98	15	16	
ARCH0031	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/30/77-08/30/77	0	1	
ARCH0033	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/25/83-06/15/83	0	3	
ARCH0034	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-04/29/93	18	7	
ARCH0035	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/95-12/13/99	4	20	
ARCH0036	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/77-04/09/81	3	24	
ARCH0039	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	6	74	
ARCH0042	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-02/21/91	16	76	T
ARCH0046	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/30/95-02/18/98	2	13	
ARCH0068	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	0	1	
ARCH0069	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/78-02/06/90	11	4	
ARCH0073	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/11/95-02/18/98	2	13	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0078	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/10/91-01/10/91	0	1	
ARCH0081	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	23	156	T,S
ARCH0082	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	5	61	
ARCH0085	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/77-03/13/78	0	2	
ARCH0086	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	21	31	
ARCH0088	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0089	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/90-12/08/99	9	23	
ARCH0090	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/84-05/05/90	5	13	
ARCH0106	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0108	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/03/85-04/25/90	5	8	
ARCH0109	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/03/85-04/25/90	5	10	
ARCH0110	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	8	21	
ARCH0115	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0116	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/97-06/25/98	0	12	
ARCH0117	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/77-01/27/81	3	17	
ARCH0118	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/90-03/24/92	1	3	
ARCH0121	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/85-04/24/90	4	8	
ARCH0124	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0126	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/90-11/28/99	9	14	
ARCH0131	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/84-05/03/90	5	12	
ARCH0132	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0134	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0135	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/79-07/18/79	0	1	
ARCH0136	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/06/80-09/18/80	0	6	
ARCH0137	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/79-09/27/79	0	7	
ARCH0142	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/77-07/05/77	0	1	
ARCH0143	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0144	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0145	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/77-06/13/86	8	12	
ARCH0146	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0148	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0149	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/21/79-08/14/79	0	4	
ARCH0150	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/97-06/25/98	0	12	
ARCH0153	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0155	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/90-11/28/99	9	8	
ARCH0156	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0157	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/84-04/24/90	5	14	
ARCH0158	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0161	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/24/91-04/28/99	8	9	
ARCH0163	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/15/89-05/03/90	0	2	
ARCH0164	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0165	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/84-08/09/89	4	11	
ARCH0166	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0169	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/90-11/28/99	9	23	
ARCH0170	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0172	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/77-08/21/78	1	4	
ARCH0174	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/27/99-12/07/99	0	3	
ARCH0176	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/19/76-04/07/81	5	61	
ARCH0177	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/01/28-08/19/87	58	1222	
ARCH0178	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/28/76-12/08/99	23	214	
ARCH0177	No	00417	ALKALINITY,FIXED ENDPOINT TITRATION, USGS LAB MG/L	12/19/86-12/19/86	0	1	
ARCH0047	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/05/89-10/16/89	0	2	
ARCH0048	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	1	6	
ARCH0050	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	1	7	
ARCH0051	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	1	7	
ARCH0053	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/05/89-10/16/89	0	2	
ARCH0054	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	1	6	
ARCH0055	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/05/89-10/16/89	0	2	
ARCH0056	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	1	5	
ARCH0059	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/31/89-10/16/89	0	3	
ARCH0060	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/31/89-10/16/89	0	4	
ARCH0061	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/31/89-10/16/89	0	4	
ARCH0062	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/31/89-10/16/89	0	3	
ARCH0064	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	09/13/89-10/16/89	0	2	
ARCH0065	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/15/89-10/16/89	0	2	
ARCH0066	No	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/25/89-10/16/89	0	4	
ARCH0091	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-07/30/89	0	3	
ARCH0092	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	6	
ARCH0093	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	6	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0094	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	5	
ARCH0096	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	3	
ARCH0097	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	5	
ARCH0098	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	4	
ARCH0099	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	6	
ARCH0100	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	0	4	
ARCH0001	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/29/89-05/29/89	0	1	
ARCH0002	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/29/89-08/05/99	10	11	
ARCH0003	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/11/78-06/11/78	0	1	
ARCH0004	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/11/78-06/11/78	0	1	
ARCH0005	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/29/80-04/29/80	0	1	
ARCH0006	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/27/78-04/29/81	3	3	
ARCH0009	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-03/17/77	2	7	
ARCH0010	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/30/77-10/04/99	22	31	
ARCH0012	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/21/91-04/12/99	7	31	
ARCH0014	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/06/78-02/06/90	11	6	
ARCH0015	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/27/78-12/02/99	21	11	
ARCH0017	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/10/84-02/06/90	5	3	
ARCH0019	No	00440	BICARBONATE ION (MG/L AS HCO3)	11/19/68-11/19/68	0	1	
ARCH0020	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/06/95-12/06/95	0	1	
ARCH0022	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/06/78-02/06/90	11	6	
ARCH0023	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/06/95-12/06/95	0	1	
ARCH0024	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/19/67-10/19/67	0	1	
ARCH0026	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/07/68-03/07/68	0	1	
ARCH0028	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/29/99-12/21/99	0	2	
ARCH0030	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/13/82-06/24/98	15	16	
ARCH0031	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/30/77-08/30/77	0	1	
ARCH0033	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/25/83-06/15/83	0	3	
ARCH0034	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-04/29/93	18	7	
ARCH0035	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/24/95-12/13/99	4	20	
ARCH0036	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/15/77-04/09/81	3	25	
ARCH0039	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	6	73	
ARCH0042	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-02/21/91	16	48	
ARCH0043	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/19/64-06/03/66	1	42	
ARCH0046	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/30/95-02/18/98	2	13	
ARCH0068	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/06/95-12/06/95	0	1	
ARCH0069	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/06/78-02/06/90	11	4	
ARCH0070	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/19/67-10/19/67	0	1	
ARCH0073	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/11/95-02/18/98	2	13	
ARCH0076	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/08/58-10/08/58	0	1	
ARCH0078	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/10/91-01/10/91	0	1	
ARCH0081	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	23	157	T,S
ARCH0082	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/20/79	5	61	
ARCH0083	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/20/65-06/03/66	1	36	
ARCH0085	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/29/77-03/13/78	0	2	
ARCH0086	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/14/78-12/13/99	21	31	
ARCH0089	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/29/90-12/08/99	9	23	
ARCH0103	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/15/70-09/15/70	0	1	
ARCH0110	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/15/70-09/15/70	0	1	
ARCH0116	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/31/97-06/25/98	0	12	
ARCH0117	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/29/77-01/27/81	3	17	
ARCH0118	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/22/90-03/24/92	1	3	
ARCH0126	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/22/90-11/28/99	9	14	
ARCH0133	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/15/70-09/15/70	0	1	
ARCH0142	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/05/77-07/05/77	0	1	
ARCH0145	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/05/77-06/13/86	8	12	
ARCH0150	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/20/90-11/28/99	9	23	
ARCH0172	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/21/77-08/21/78	1	4	
ARCH0174	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/27/99-12/07/99	0	3	
ARCH0176	No	00440	BICARBONATE ION (MG/L AS HCO3)	02/19/76-04/07/81	5	60	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0177	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/01/28-08/19/87	58	1402	
ARCH0178	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/28/76-12/08/99	23	215	
ARCH0181	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/25/33-04/24/59	25	4	
ARCH0001	No	00445	CARBONATE ION (MG/L AS CO3)	05/29/89-05/29/89	0	1	
ARCH0002	No	00445	CARBONATE ION (MG/L AS CO3)	05/29/89-08/05/99	10	11	
ARCH0005	No	00445	CARBONATE ION (MG/L AS CO3)	04/29/80-04/29/80	0	1	
ARCH0006	No	00445	CARBONATE ION (MG/L AS CO3)	04/29/80-04/29/80	0	1	
ARCH0010	No	00445	CARBONATE ION (MG/L AS CO3)	01/19/92-10/04/99	7	29	
ARCH0012	No	00445	CARBONATE ION (MG/L AS CO3)	07/21/91-04/12/99	7	30	
ARCH0014	No	00445	CARBONATE ION (MG/L AS CO3)	06/06/78-06/06/78	0	1	
ARCH0015	No	00445	CARBONATE ION (MG/L AS CO3)	04/29/81-12/02/99	18	10	
ARCH0019	No	00445	CARBONATE ION (MG/L AS CO3)	11/19/68-11/19/68	0	1	
ARCH0020	No	00445	CARBONATE ION (MG/L AS CO3)	12/06/95-12/06/95	0	1	
ARCH0022	No	00445	CARBONATE ION (MG/L AS CO3)	06/06/78-08/25/87	9	3	
ARCH0023	No	00445	CARBONATE ION (MG/L AS CO3)	12/06/95-12/06/95	0	1	
ARCH0024	No	00445	CARBONATE ION (MG/L AS CO3)	10/19/67-10/19/67	0	1	
ARCH0026	No	00445	CARBONATE ION (MG/L AS CO3)	03/07/68-03/07/68	0	1	
ARCH0028	No	00445	CARBONATE ION (MG/L AS CO3)	07/29/99-12/21/99	0	2	
ARCH0030	No	00445	CARBONATE ION (MG/L AS CO3)	07/31/97-06/24/98	0	12	
ARCH0034	No	00445	CARBONATE ION (MG/L AS CO3)	04/29/93-04/29/93	0	1	
ARCH0035	No	00445	CARBONATE ION (MG/L AS CO3)	07/24/95-12/13/99	4	20	
ARCH0036	No	00445	CARBONATE ION (MG/L AS CO3)	11/08/79-02/26/80	0	2	
ARCH0039	No	00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	6	67	
ARCH0042	No	00445	CARBONATE ION (MG/L AS CO3)	07/16/85-02/21/91	5	35	
ARCH0046	No	00445	CARBONATE ION (MG/L AS CO3)	03/30/95-02/18/98	2	13	
ARCH0068	No	00445	CARBONATE ION (MG/L AS CO3)	12/06/95-12/06/95	0	1	
ARCH0069	No	00445	CARBONATE ION (MG/L AS CO3)	06/06/78-06/06/78	0	1	
ARCH0070	No	00445	CARBONATE ION (MG/L AS CO3)	10/19/67-10/19/67	0	1	
ARCH0073	No	00445	CARBONATE ION (MG/L AS CO3)	05/11/95-02/18/98	2	13	
ARCH0076	No	00445	CARBONATE ION (MG/L AS CO3)	10/08/58-10/08/58	0	1	
ARCH0078	No	00445	CARBONATE ION (MG/L AS CO3)	01/10/91-01/10/91	0	1	
ARCH0081	No	00445	CARBONATE ION (MG/L AS CO3)	08/21/78-01/21/99	20	92	T
ARCH0082	No	00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/20/79	5	51	
ARCH0086	No	00445	CARBONATE ION (MG/L AS CO3)	03/13/79-12/13/99	20	25	
ARCH0089	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/29/90-12/08/99	9	23	
ARCH0106	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/15/70-09/15/70	0	1	
ARCH0110	Yes	00445	CARBONATE ION (MG/L AS CO3)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/15/70-09/15/70	0	1	
ARCH0116	No	00445	CARBONATE ION (MG/L AS CO3)	07/31/97-06/25/98	0	12	
ARCH0117	No	00445	CARBONATE ION (MG/L AS CO3)	01/10/80-08/06/80	0	4	
ARCH0118	No	00445	CARBONATE ION (MG/L AS CO3)	09/20/77-08/21/78	0	2	
ARCH0120	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/22/90-03/24/92	1	3	
ARCH0126	No	00445	CARBONATE ION (MG/L AS CO3)	05/16/79-10/22/80	1	10	
ARCH0130	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/22/90-11/28/99	9	14	
ARCH0133	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/15/70-09/15/70	0	1	
ARCH0145	No	00445	CARBONATE ION (MG/L AS CO3)	06/13/86-06/13/86	0	1	
ARCH0150	No	00445	CARBONATE ION (MG/L AS CO3)	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00445	CARBONATE ION (MG/L AS CO3)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/20/90-11/28/99	9	23	
ARCH0172	No	00445	CARBONATE ION (MG/L AS CO3)	08/21/78-08/21/78	0	1	
ARCH0174	No	00445	CARBONATE ION (MG/L AS CO3)	04/27/99-12/07/99	0	3	
ARCH0176	No	00445	CARBONATE ION (MG/L AS CO3)	08/23/79-04/07/81	1	18	
ARCH0177	No	00445	CARBONATE ION (MG/L AS CO3)	10/01/58-08/19/87	28	388	
ARCH0178	No	00445	CARBONATE ION (MG/L AS CO3)	01/21/81-12/08/99	18	124	
ARCH0181	No	00445	CARBONATE ION (MG/L AS CO3)	10/25/33-04/24/59	25	4	
ARCH0177	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/25/87-08/26/96	8	47	
ARCH0177	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/25/87-08/26/96	8	47	
ARCH0090	Yes	00480	SALINITY - PARTS PER THOUSAND	05/05/90-05/05/90	0	1	
ARCH0121	Yes	00480	SALINITY - PARTS PER THOUSAND	04/24/90-04/24/90	0	1	
ARCH0122	Yes	00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	0	1	
ARCH0131	Yes	00480	SALINITY - PARTS PER THOUSAND	05/03/90-05/03/90	0	1	
ARCH0140	Yes	00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	0	1	
ARCH0160	Yes	00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	0	1	
ARCH0163	Yes	00480	SALINITY - PARTS PER THOUSAND	05/03/90-05/03/90	0	1	
ARCH0167	Yes	00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	0	1	
ARCH0168	Yes	00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	0	1	
ARCH0001	No	00510	RESIDUE, TOTAL FIXED (MG/L)	05/23/90-08/05/99	9	10	
ARCH0002	No	00510	RESIDUE, TOTAL FIXED (MG/L)	05/23/90-08/22/95	5	6	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0043	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/64-06/03/66	1	42	
ARCH0083	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/20/65-06/03/66	1	36	
ARCH0001	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/29/89-08/05/99	10	10	
ARCH0002	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/29/89-08/05/99	10	12	
ARCH0005	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/80-04/29/80	0	1	
ARCH0006	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/27/78-04/29/80	2	2	
ARCH0009	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-03/17/77	0	7	
ARCH0010	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/92-10/04/99	7	29	
ARCH0012	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/21/91-04/12/99	7	30	
ARCH0015	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/27/78-12/02/99	21	10	
ARCH0020	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/06/95-12/06/95	0	1	
ARCH0023	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/06/95-12/06/95	0	1	
ARCH0028	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/99-12/21/99	0	2	
ARCH0030	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/82-06/24/98	15	16	
ARCH0033	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/25/83-06/15/83	0	3	
ARCH0034	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	23	13	
ARCH0035	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/95-12/13/99	4	20	
ARCH0036	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/15/77-04/09/81	3	21	
ARCH0038	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/06/89-04/06/89	0	1	
ARCH0039	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/78-09/22/81	2	33	
ARCH0042	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	23	176	T,S
ARCH0045	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/71-02/28/72	0	19	
ARCH0046	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/30/95-02/18/98	2	13	
ARCH0068	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/06/95-12/06/95	0	1	
ARCH0073	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/95-02/18/98	2	13	
ARCH0074	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/22/74-03/24/77	2	12	
ARCH0078	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/91-01/10/91	0	1	
ARCH0080	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/71-02/28/72	0	19	
ARCH0081	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	23	169	T,S
ARCH0082	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/78-09/20/79	0	10	
ARCH0085	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/29/77-03/13/78	0	2	
ARCH0086	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/14/78-12/13/99	21	28	
ARCH0089	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/29/90-12/08/99	9	23	
ARCH0110	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/90-08/23/99	8	21	
ARCH0116	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/97-06/25/98	0	12	
ARCH0117	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/16/79-01/27/81	2	12	
ARCH0118	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/22/90-03/24/92	1	3	
ARCH0126	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/12/77-08/06/80	3	14	
ARCH0130	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/22/90-11/28/99	9	14	
ARCH0145	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/05/77-06/13/86	8	9	
ARCH0150	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/24/91-04/28/99	8	9	
ARCH0169	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/90-11/28/99	9	23	
ARCH0172	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/77-02/14/78	0	3	
ARCH0174	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/27/99-12/07/99	0	3	
ARCH0176	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-04/07/81	5	42	
ARCH0178	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/08/76-12/08/99	23	206	
ARCH0074	No	00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	02/11/76-02/11/76	0	1	
ARCH0038	No	00560	OIL & GREASE (FREON EXTR.-IR METHOD) TOT,REC,MG/L	04/06/89-04/06/89	0	1	
ARCH0042	No	00560	OIL & GREASE (FREON EXTR.-IR METHOD) TOT,REC,MG/L	08/03/83-11/02/94	11	11	
ARCH0177	No	00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	03/19/75-04/24/80	5	6	
ARCH0177	No	00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	03/19/75-04/24/80	5	6	
ARCH0039	No	00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	7	88	A
ARCH0082	No	00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/20/79	5	64	
ARCH0177	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/22/74-09/24/81	6	42	
ARCH0177	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	11/15/79-09/24/81	1	19	
ARCH0039	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	7	87	A
ARCH0082	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/20/79	5	63	
ARCH0177	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/22/78-09/24/81	3	29	
ARCH0177	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/15/79-09/24/81	1	19	
ARCH0039	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/30/81-07/30/81	0	1	
ARCH0177	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/15/79-05/22/96	16	105	
ARCH0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/89-08/05/99	10	11	
ARCH0002	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/89-08/05/99	10	44	
ARCH0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/80-04/29/80	0	1	
ARCH0006	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/80-04/29/81	1	2	
ARCH0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-03/17/77	2	8	
ARCH0014	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/15/81-02/06/90	8	5	
ARCH0015	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/81-04/07/99	17	8	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0017	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/10/84-02/06/90	5	3	
ARCH0020	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0022	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-02/06/90	8	5	
ARCH0023	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0030	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/13/82-06/24/98	15	16	
ARCH0033	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/25/83-06/15/83	0	3	
ARCH0034	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-04/29/93	18	7	
ARCH0035	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/95-06/28/99	3	18	
ARCH0036	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/15/77-04/09/81	3	22	
ARCH0039	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	7	87	A
ARCH0042	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	24	126	T,S
ARCH0046	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/15/95-02/18/98	2	11	
ARCH0068	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0069	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/29/81-02/06/90	8	3	
ARCH0073	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/21/95-02/18/98	2	11	
ARCH0074	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/76-02/11/76	0	1	
ARCH0078	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/10/91-01/10/91	0	1	
ARCH0081	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	23	160	T,S
ARCH0082	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/20/79	5	63	
ARCH0086	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/14/78-06/28/99	21	28	
ARCH0089	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/29/90-04/24/99	8	21	
ARCH0110	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/90-04/28/99	8	20	
ARCH0116	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/97-06/25/98	0	12	
ARCH0117	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/28/77-01/27/81	3	16	
ARCH0118	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/21/77-08/21/78	1	4	
ARCH0120	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/22/90-03/24/92	1	3	
ARCH0126	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/77-10/22/80	3	16	
ARCH0130	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/22/90-04/28/99	8	12	
ARCH0145	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/77-06/13/86	8	10	
ARCH0150	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/90-04/24/99	8	6	
ARCH0161	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/24/91-04/28/99	8	9	
ARCH0169	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/90-04/24/99	8	21	
ARCH0172	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/77-08/21/78	1	3	
ARCH0174	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/04/99-04/27/99	0	2	
ARCH0176	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/19/76-04/07/81	5	57	
ARCH0177	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/77-06/22/92	14	73	
ARCH0178	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/76-02/11/99	22	212	
ARCH0001	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/29/89-05/29/89	0	1	
ARCH0002	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/29/89-08/02/89	0	6	
ARCH0081	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/12/88-10/11/90	2	19	
ARCH0177	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/14/48-05/22/96	47	51	
ARCH0178	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/11/88-10/11/90	2	20	
ARCH0005	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/80-04/29/80	0	1	
ARCH0006	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/78-04/29/81	3	3	
ARCH0009	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/02/75-02/24/77	1	2	
ARCH0014	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	11	6	
ARCH0015	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/78-04/29/81	3	2	
ARCH0017	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/10/84-02/06/90	5	3	
ARCH0022	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	11	6	
ARCH0034	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/20/76-02/23/77	0	3	
ARCH0036	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/18/77-04/09/81	3	13	
ARCH0039	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/26/74-02/26/74	0	1	
ARCH0042	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/07/75-05/12/88	13	20	
ARCH0069	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	11	4	
ARCH0081	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/77-01/19/89	11	59	
ARCH0082	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/26/74-02/26/74	0	1	
ARCH0085	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/13/78-03/13/78	0	1	
ARCH0086	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/14/78-01/27/81	2	17	
ARCH0117	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/16/79-01/27/81	2	15	
ARCH0118	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/77-09/20/77	0	3	
ARCH0126	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/13/78-10/22/80	2	16	
ARCH0145	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/13/78-06/13/86	8	9	
ARCH0169	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/91-05/09/91	0	1	
ARCH0172	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/77-02/14/78	0	2	
ARCH0176	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/19/76-04/07/81	5	50	
ARCH0177	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/90-06/22/92	1	12	
ARCH0178	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/13/77-01/19/89	12	61	
ARCH0001	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/29/89-05/29/89	0	1	
ARCH0002	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/29/89-08/02/89	0	6	
ARCH0081	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/12/88-10/11/90	2	19	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0103	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/70-09/15/70	0	1	
ARCH0177	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/43-01/19/71	27	119	
ARCH0178	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/11/88-10/11/90	2	20	
ARCH0005	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/80-04/29/80	0	1	
ARCH0006	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/27/78-04/29/81	3	3	
ARCH0009	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-03/17/77	2	7	
ARCH0010	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/30/77-03/30/77	0	1	
ARCH0014	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	11	6	
ARCH0015	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/27/78-04/29/81	3	2	
ARCH0017	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/10/84-02/06/90	5	3	
ARCH0022	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/01/64-02/06/90	25	7	
ARCH0031	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/30/77-08/30/77	0	1	
ARCH0034	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-02/23/77	2	6	
ARCH0036	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/15/77-04/09/81	3	24	
ARCH0039	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/26/74-02/26/74	0	1	
ARCH0042	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/75-05/12/88	13	27	
ARCH0047	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/89-10/16/89	0	2	
ARCH0048	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-10/16/89	1	7	
ARCH0049	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-09/25/88	0	2	
ARCH0050	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-10/16/89	1	7	
ARCH0051	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-10/16/89	1	8	
ARCH0052	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-07/28/88	0	1	
ARCH0053	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/89-10/16/89	0	2	
ARCH0054	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-10/16/89	1	8	
ARCH0055	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/89-10/16/89	0	2	
ARCH0056	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-10/16/89	1	6	
ARCH0059	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/89-10/16/89	0	2	
ARCH0060	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/88-10/16/89	1	4	
ARCH0061	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/89-10/16/89	0	2	
ARCH0062	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/88-10/16/89	1	3	
ARCH0064	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/13/89-10/16/89	0	3	
ARCH0065	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/88-10/16/89	1	3	
ARCH0066	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/88-10/16/89	1	3	
ARCH0067	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/89-08/15/89	0	1	
ARCH0069	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	11	4	
ARCH0081	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-01/19/89	13	83	T
ARCH0082	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/26/74-02/26/74	0	1	
ARCH0085	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/29/77-03/13/78	0	2	
ARCH0086	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/14/78-01/27/81	2	18	
ARCH0088	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	0	1	
ARCH0090	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/03/85-05/05/90	5	10	
ARCH0091	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	0	3	
ARCH0108	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/03/85-08/24/87	2	4	
ARCH0109	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/03/85-04/25/90	5	9	
ARCH0115	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	0	1	
ARCH0117	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/29/77-01/27/81	3	17	
ARCH0118	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/21/77-10/23/78	1	8	
ARCH0121	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/85-04/24/90	4	8	
ARCH0124	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	0	1	
ARCH0126	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/12/77-10/22/80	3	17	
ARCH0131	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/84-05/03/90	5	9	
ARCH0132	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	0	1	
ARCH0142	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/05/77-07/05/77	0	1	
ARCH0144	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	0	1	
ARCH0145	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/05/77-06/13/86	8	12	
ARCH0157	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/21/84-08/09/89	4	10	
ARCH0163	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/89-05/03/90	0	2	
ARCH0164	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	0	1	
ARCH0165	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/84-04/24/90	5	11	
ARCH0166	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	0	1	
ARCH0169	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/91-05/09/91	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0170	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	0	1	
ARCH0172	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/21/77-08/21/78	1	4	
ARCH0176	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/19/76-04/07/81	5	62	
ARCH0178	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/76-01/19/89	12	71	
ARCH0177	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/13/77-05/22/96	18	36	
ARCH0177	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	02/22/78-09/24/81	3	29	
ARCH0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/89-08/07/91	2	3	
ARCH0002	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/89-08/07/91	2	14	
ARCH0005	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/80-04/29/80	0	1	
ARCH0006	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/80-04/29/81	1	2	
ARCH0009	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/77-01/12/77	0	1	
ARCH0015	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/81-05/05/97	16	4	
ARCH0020	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0023	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0030	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/13/82-12/29/82	0	4	
ARCH0031	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/30/77-08/30/77	0	1	
ARCH0033	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/25/83-06/15/83	0	3	
ARCH0034	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-04/29/93	0	1	
ARCH0035	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/95-05/05/97	1	4	
ARCH0036	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/15/77-04/09/81	3	25	
ARCH0039	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	7	88	A
ARCH0042	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/77-05/12/88	11	45	
ARCH0046	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/15/95-06/26/97	1	9	
ARCH0068	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0073	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/21/95-06/26/97	1	9	
ARCH0078	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/91-01/10/91	0	1	
ARCH0081	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	21	149	T
ARCH0082	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/20/79	5	64	
ARCH0085	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/29/77-08/29/77	0	1	
ARCH0086	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/14/78-05/05/97	19	23	
ARCH0089	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/29/90-04/16/97	6	12	
ARCH0110	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/90-04/04/97	6	12	
ARCH0117	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/29/77-01/27/81	3	16	
ARCH0118	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/77-10/17/77	0	4	
ARCH0120	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-03/24/92	1	3	
ARCH0126	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/12/77-10/22/80	3	16	
ARCH0130	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-04/03/97	6	5	
ARCH0145	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/12/77-06/13/86	8	9	
ARCH0155	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/90-03/20/92	1	4	
ARCH0161	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/24/91-04/03/97	5	3	
ARCH0169	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/90-04/04/97	6	12	
ARCH0172	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/77-02/14/78	0	2	
ARCH0176	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-04/07/81	5	52	
ARCH0177	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/74-05/22/96	21	113	
ARCH0178	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/76-05/16/97	20	163	
ARCH0005	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/29/80-04/29/80	0	1	
ARCH0006	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/29/80-04/29/81	1	2	
ARCH0015	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/29/81-12/02/99	18	4	
ARCH0028	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/99-12/21/99	0	2	
ARCH0030	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/13/82-09/18/97	15	5	
ARCH0033	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/25/83-06/15/83	0	3	
ARCH0035	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/18/97-12/13/99	2	3	
ARCH0036	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-04/09/81	3	20	
ARCH0039	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	7	88	A
ARCH0042	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-09/18/97	19	28	
ARCH0046	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/15/95-06/26/97	1	9	
ARCH0073	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/07/95-06/26/97	1	8	
ARCH0074	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/76-03/24/76	0	1	
ARCH0081	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-06/26/97	19	56	
ARCH0082	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/20/79	5	64	
ARCH0086	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-12/13/99	20	19	
ARCH0089	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/16/99-12/08/99	0	2	
ARCH0111	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/99-08/23/99	0	1	
ARCH0116	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/18/97-09/18/97	0	1	
ARCH0117	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-01/27/81	2	15	
ARCH0126	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/22/91-08/16/99	8	2	
ARCH0145	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-12/13/79	0	7	
ARCH0150	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/18/97-09/18/97	0	1	
ARCH0155	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/28/91-08/16/99	8	2	
ARCH0161	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/24/91-04/24/91	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0169	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/16/99-08/16/99	0	1	
ARCH0174	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/99-12/07/99	0	2	
ARCH0176	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-04/07/81	3	49	
ARCH0177	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/74-06/22/92	17	58	
ARCH0178	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/06/80-12/08/99	19	105	
ARCH0001	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-08/05/99	9	10	
ARCH0002	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-08/05/99	9	38	
ARCH0015	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/12/95-04/07/99	3	7	
ARCH0020	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0023	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0030	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/31/97-06/24/98	0	11	
ARCH0034	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/29/93-04/29/93	0	1	
ARCH0035	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/24/95-06/28/99	3	17	
ARCH0039	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/81-07/30/81	0	2	
ARCH0042	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/29/97-06/25/98	0	9	
ARCH0046	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/14/98-02/18/98	0	2	
ARCH0068	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/95-12/06/95	0	1	
ARCH0073	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/21/95-02/18/98	2	3	
ARCH0078	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/10/91-01/10/91	0	1	
ARCH0081	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/22/90-01/21/99	8	22	
ARCH0086	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/12/95-06/28/99	4	10	
ARCH0089	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/29/90-04/24/99	8	21	
ARCH0110	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/28/90-04/28/99	8	20	
ARCH0116	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/31/97-06/25/98	0	11	
ARCH0120	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/22/90-03/24/92	1	3	
ARCH0130	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/22/90-11/28/99	9	12	
ARCH0134	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	0	1	
ARCH0135	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/18/79-07/18/79	0	1	
ARCH0136	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/06/80-10/08/81	1	15	
ARCH0137	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/22/79-09/27/79	0	7	
ARCH0143	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	0	1	
ARCH0146	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	0	1	
ARCH0148	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	0	1	
ARCH0149	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/79-08/14/79	0	4	
ARCH0150	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/31/97-06/25/98	0	11	
ARCH0153	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	0	1	
ARCH0155	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/20/90-11/28/99	9	6	
ARCH0156	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/92-04/28/99	7	8	
ARCH0169	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/20/90-11/28/99	9	21	
ARCH0174	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/04/99-04/27/99	0	2	
ARCH0177	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/21/70-05/22/96	25	161	
ARCH0178	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-06/24/99	9	35	
ARCH0039	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/03/79-05/23/79	0	2	
ARCH0082	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/03/79-05/23/79	0	2	
ARCH0177	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/09/67-05/03/79	12	4	
ARCH0090	Yes	00655	PHOSPHATE, POLY (MG/L AS PO4)	01/03/85-05/05/90	5	11	
ARCH0108	Yes	00655	PHOSPHATE, POLY (MG/L AS PO4)	01/03/85-04/25/90	5	7	
ARCH0109	Yes	00655	PHOSPHATE, POLY (MG/L AS PO4)	01/03/85-04/25/90	5	9	
ARCH0121	Yes	00655	PHOSPHATE, POLY (MG/L AS PO4)	05/05/85-08/09/89	4	6	
ARCH0131	Yes	00655	PHOSPHATE, POLY (MG/L AS PO4)	12/27/84-08/10/89	4	10	
ARCH0157	Yes	00655	PHOSPHATE, POLY (MG/L AS PO4)	12/21/84-04/24/90	5	12	
ARCH0163	Yes	00655	PHOSPHATE, POLY (MG/L AS PO4)	05/15/89-05/15/89	0	1	
ARCH0165	Yes	00655	PHOSPHATE, POLY (MG/L AS PO4)	12/27/84-04/24/90	5	11	
ARCH0115	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	0	1	
ARCH0124	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	0	1	
ARCH0132	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	0	1	
ARCH0137	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/22/79-03/22/79	0	1	
ARCH0144	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	0	1	
ARCH0149	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/21/79-04/11/79	0	2	
ARCH0158	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	0	1	
ARCH0164	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	0	1	
ARCH0177	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/06/67-02/24/83	15	63	
ARCH0001	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/89-08/05/99	10	10	
ARCH0002	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/89-08/05/99	10	37	
ARCH0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/80-04/29/80	0	1	
ARCH0006	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/80-04/29/81	1	2	
ARCH0009	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/77-01/12/77	0	1	
ARCH0015	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/81-12/02/99	18	8	
ARCH0020	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/95-12/06/95	0	1	
ARCH0023	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/95-12/06/95	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0028	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/99-12/21/99	0	2	
ARCH0030	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/13/82-06/24/98	15	10	
ARCH0033	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/25/83-06/15/83	0	3	
ARCH0034	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-04/29/93	0	1	
ARCH0035	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/95-12/13/99	4	14	
ARCH0036	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/77-04/09/81	3	24	
ARCH0039	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	7	88	A
ARCH0042	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/77-06/25/98	21	86	T
ARCH0046	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/15/95-02/18/98	2	9	
ARCH0068	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/95-12/06/95	0	1	
ARCH0073	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/21/95-02/18/98	2	8	
ARCH0078	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/91-01/10/91	0	1	
ARCH0081	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	22	144	T,S
ARCH0082	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/20/79	5	64	
ARCH0086	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/79-12/13/99	20	27	
ARCH0089	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/29/90-12/08/99	9	23	
ARCH0110	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/90-04/28/99	8	20	
ARCH0116	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/18/98-06/25/98	0	6	
ARCH0117	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/79-01/27/81	2	15	
ARCH0120	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-03/24/92	1	3	
ARCH0126	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/12/77-10/22/80	3	16	
ARCH0130	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-11/28/99	9	14	
ARCH0145	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/12/77-06/13/86	8	9	
ARCH0150	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/18/98-06/25/98	0	6	
ARCH0155	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/24/91-04/28/99	8	9	
ARCH0169	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/90-11/28/99	9	23	
ARCH0172	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/14/78-02/14/78	0	1	
ARCH0174	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/04/99-12/07/99	0	3	
ARCH0176	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/78-04/07/81	3	49	
ARCH0177	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/74-05/22/96	21	117	
ARCH0178	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-12/08/99	23	203	
ARCH0001	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-08/05/99	9	8	
ARCH0002	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-08/05/99	9	31	
ARCH0015	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/12/95-04/07/99	3	6	
ARCH0020	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/06/95-12/06/95	0	1	
ARCH0023	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/06/95-12/06/95	0	1	
ARCH0030	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/97-06/24/98	0	9	
ARCH0034	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/29/93-04/29/93	0	1	
ARCH0035	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/24/95-06/28/99	3	13	
ARCH0042	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/97-06/25/98	0	8	
ARCH0046	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	01/14/98-02/18/98	0	2	
ARCH0068	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/06/95-12/06/95	0	1	
ARCH0073	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/21/95-02/18/98	2	3	
ARCH0078	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	01/10/91-01/10/91	0	1	
ARCH0081	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/22/90-01/21/99	8	24	
ARCH0086	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/12/95-06/28/99	4	9	
ARCH0089	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/05/91-04/24/99	7	18	
ARCH0110	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/28/90-04/28/99	8	18	
ARCH0116	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/97-06/25/98	0	9	
ARCH0120	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/22/90-03/24/92	1	3	
ARCH0130	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/22/90-04/28/99	8	9	
ARCH0134	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	0	1	
ARCH0135	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/18/79-07/18/79	0	1	
ARCH0136	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/06/80-10/08/81	1	15	
ARCH0137	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/22/79-09/27/79	0	7	
ARCH0143	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	0	1	
ARCH0146	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	0	1	
ARCH0148	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	0	1	
ARCH0149	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/79-08/14/79	0	4	
ARCH0150	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/97-06/25/98	0	9	
ARCH0153	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	0	1	
ARCH0155	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/21/91-04/24/99	7	4	
ARCH0156	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/92-04/28/99	7	7	
ARCH0169	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/20/90-04/24/99	8	18	
ARCH0174	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/04/99-04/27/99	0	2	
ARCH0177	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/77-05/22/96	18	103	
ARCH0178	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-06/24/99	9	33	
ARCH0001	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/29/89-05/29/89	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0002	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/29/89-08/02/89	0	6	
ARCH0081	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/12/88-06/21/90	2	19	
ARCH0137	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/22/79-03/22/79	0	1	
ARCH0149	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/21/79-04/11/79	0	2	
ARCH0177	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/06/71-05/22/96	24	137	
ARCH0178	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/11/88-06/21/90	2	20	
ARCH0001	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/89-05/29/89	0	1	
ARCH0002	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/89-08/02/89	0	6	
ARCH0005	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/80-04/29/80	0	1	
ARCH0006	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/80-04/29/81	1	2	
ARCH0015	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/81-04/29/81	0	1	
ARCH0030	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/13/82-12/29/82	0	4	
ARCH0033	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/25/83-06/15/83	0	3	
ARCH0036	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/18/77-04/09/81	3	17	
ARCH0039	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	5	63	
ARCH0042	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/15/77-02/01/84	6	16	
ARCH0046	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/15/95-11/15/95	0	1	
ARCH0073	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/95-05/11/95	0	1	
ARCH0081	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	18	107	T
ARCH0082	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	5	62	
ARCH0086	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/14/78-07/20/82	4	14	
ARCH0117	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/16/79-01/27/81	2	11	
ARCH0126	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/12/77-10/22/80	3	12	
ARCH0145	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/12/77-03/13/79	1	4	
ARCH0169	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/91-05/09/91	0	1	
ARCH0172	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/14/78-02/14/78	0	1	
ARCH0176	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/19/78-04/07/81	3	32	
ARCH0177	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-09/24/81	6	23	
ARCH0178	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/13/77-06/21/90	13	138	
ARCH0177	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/20/77-05/22/96	18	14	
ARCH0177	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	10/20/77-05/22/96	18	12	
ARCH0039	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/15/79-09/22/81	1	22	
ARCH0074	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/11/76-03/17/76	0	2	
ARCH0001	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/29/89-05/29/89	0	1	
ARCH0002	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/29/89-08/05/99	10	17	
ARCH0003	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/11/78-06/11/78	0	1	
ARCH0004	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/11/78-06/11/78	0	1	
ARCH0005	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/80-04/29/80	0	1	
ARCH0006	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/27/78-04/29/81	3	3	
ARCH0009	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-03/17/77	2	7	
ARCH0010	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/30/77-10/04/99	22	30	
ARCH0012	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/21/91-04/12/99	7	30	
ARCH0014	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/78-02/06/90	11	6	
ARCH0015	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/27/78-12/02/99	21	11	
ARCH0017	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/10/84-02/06/90	5	3	
ARCH0019	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/19/68-11/19/68	0	1	
ARCH0020	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	0	1	
ARCH0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/01/64-02/06/90	25	7	
ARCH0023	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	0	1	
ARCH0024	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/19/67-10/19/67	0	1	
ARCH0026	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/07/68-03/07/68	0	1	
ARCH0028	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/99-12/21/99	0	2	
ARCH0030	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/13/82-06/24/98	15	16	
ARCH0031	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/77-08/30/77	0	1	
ARCH0033	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/25/83-06/15/83	0	3	
ARCH0034	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-04/29/93	18	7	
ARCH0035	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/95-12/13/99	4	20	
ARCH0036	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/15/77-04/09/81	3	24	
ARCH0039	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	7	88	A
ARCH0042	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-06/12/86	11	12	
ARCH0043	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/19/64-06/03/66	1	42	
ARCH0046	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/30/95-02/18/98	2	17	
ARCH0068	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	0	1	
ARCH0069	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/78-02/06/90	11	4	
ARCH0070	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/19/67-10/19/67	0	1	
ARCH0073	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/95-02/18/98	2	13	
ARCH0076	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/08/58-10/08/58	0	1	
ARCH0078	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/10/91-01/10/91	0	1	
ARCH0081	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	23	160	T,S
ARCH0082	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	5	64	
ARCH0083	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/20/65-06/03/66	1	36	
ARCH0085	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/77-03/13/78	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0086	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	21	31	
ARCH0088	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0089	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/90-12/08/99	9	23	
ARCH0090	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/84-05/05/90	5	13	
ARCH0103	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0108	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/03/85-04/25/90	5	8	
ARCH0109	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/03/85-04/25/90	5	10	
ARCH0110	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0115	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0116	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/97-06/25/98	0	12	
ARCH0117	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/77-01/27/81	3	17	
ARCH0118	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/22/90-03/24/92	1	3	
ARCH0121	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/05/85-04/24/90	4	8	
ARCH0124	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0126	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/22/90-11/28/99	9	14	
ARCH0131	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/84-05/03/90	5	12	
ARCH0132	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0133	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0134	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0135	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/79-07/18/79	0	1	
ARCH0136	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/06/80-10/08/81	1	15	
ARCH0137	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/79-09/27/79	0	7	
ARCH0142	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/05/77-07/05/77	0	1	
ARCH0143	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0144	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0145	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/05/77-06/13/86	8	12	
ARCH0146	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0148	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0149	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/21/79-08/14/79	0	4	
ARCH0150	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/97-06/25/98	0	12	
ARCH0153	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0155	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/90-11/28/99	9	8	
ARCH0156	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0157	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/21/84-04/24/90	5	14	
ARCH0158	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0161	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/16/70-09/16/70	0	1	
ARCH0163	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/15/89-05/03/90	0	2	
ARCH0164	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0165	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/84-04/24/90	5	12	
ARCH0166	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0169	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/90-11/28/99	9	23	
ARCH0170	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	0	1	
ARCH0172	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/77-08/21/78	1	4	
ARCH0174	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/27/99-12/07/99	0	3	
ARCH0175	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/10/85-06/10/85	0	1	
ARCH0176	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/19/76-04/07/81	5	61	
ARCH0177	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/28-09/03/85	56	1401	
ARCH0178	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/28/76-12/08/99	23	214	
ARCH0181	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/25/33-04/24/59	25	4	
ARCH0019	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/19/68-11/19/68	0	1	
ARCH0024	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/19/67-10/19/67	0	1	
ARCH0026	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/07/68-03/07/68	0	1	
ARCH0039	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	7	78	
ARCH0070	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/19/67-10/19/67	0	1	
ARCH0076	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/08/58-10/08/58	0	1	
ARCH0082	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-09/20/79	5	62	
ARCH0106	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0133	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/15/70-09/15/70	0	1	
ARCH0134	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0135	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/18/79-07/18/79	0	1	
ARCH0136	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/06/80-11/21/80	0	8	
ARCH0137	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/22/79-09/27/79	0	7	
ARCH0143	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0146	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0148	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0149	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/21/79-08/14/79	0	4	
ARCH0153	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0156	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	0	1	
ARCH0162	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/16/70-09/16/70	0	1	
ARCH0177	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/01/28-02/23/81	52	1375	
ARCH0181	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	04/17/54-04/24/59	5	3	
ARCH0001	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/29/89-05/29/89	0	1	
ARCH0002	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/29/89-08/05/99	10	17	
ARCH0003	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/11/78-06/11/78	0	1	
ARCH0004	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/11/78-06/11/78	0	1	
ARCH0005	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/29/80-04/29/80	0	1	
ARCH0006	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/27/78-04/29/81	3	3	
ARCH0007	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	0	1	
ARCH0008	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/78-06/24/78	0	1	
ARCH0009	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-03/17/77	2	7	
ARCH0010	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/30/77-10/04/99	22	31	
ARCH0011	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/27/78-06/27/78	0	1	
ARCH0012	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/21/91-04/12/99	7	31	
ARCH0013	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/85-08/15/85	0	1	
ARCH0014	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/78-02/06/90	11	6	
ARCH0015	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/27/78-12/02/99	21	11	
ARCH0016	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/85-08/16/85	0	1	
ARCH0017	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/10/84-02/06/90	5	3	
ARCH0018	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/27/78-06/27/78	0	1	
ARCH0019	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/19/68-11/19/68	0	1	
ARCH0020	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/95-12/06/95	0	1	
ARCH0021	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/85-08/16/85	0	1	
ARCH0022	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/01/64-02/06/90	25	7	
ARCH0023	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/95-12/06/95	0	1	
ARCH0024	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/19/67-10/19/67	0	1	
ARCH0025	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/78-06/24/78	0	1	
ARCH0026	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/07/68-03/07/68	0	1	
ARCH0028	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/29/99-12/21/99	0	2	
ARCH0029	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/78-07/01/78	0	1	
ARCH0030	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/13/82-06/24/98	15	16	
ARCH0031	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/30/77-08/30/77	0	1	
ARCH0032	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/27/78-06/27/78	0	1	
ARCH0033	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/25/83-06/15/83	0	3	
ARCH0034	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-04/29/93	18	7	
ARCH0035	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/95-12/13/99	4	20	
ARCH0036	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/15/77-04/09/81	3	25	
ARCH0037	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	0	1	
ARCH0039	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	7	88	A
ARCH0040	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/78-06/25/78	0	1	
ARCH0041	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/78-06/23/78	0	1	
ARCH0042	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-11/08/79	4	11	
ARCH0043	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/19/64-06/03/66	1	42	
ARCH0044	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/78-06/25/78	0	1	
ARCH0046	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/30/95-02/18/98	2	17	
ARCH0057	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/78-07/01/78	0	1	
ARCH0058	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/78-06/25/78	0	1	
ARCH0068	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/95-12/06/95	0	1	
ARCH0069	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/78-02/06/90	11	4	
ARCH0070	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/19/67-08/15/85	17	2	
ARCH0071	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/78-06/23/78	0	1	
ARCH0072	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	0	1	
ARCH0073	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/11/95-02/18/98	2	13	
ARCH0076	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/08/58-10/08/58	0	1	
ARCH0077	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/17/85-08/17/85	0	1	
ARCH0078	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/10/91-01/10/91	0	1	
ARCH0079	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	0	1	
ARCH0081	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	23	161	T,S
ARCH0082	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/20/79	5	64	
ARCH0083	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/20/65-06/03/66	1	36	
ARCH0084	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	0	1	
ARCH0085	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/77-03/13/78	0	2	
ARCH0086	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/78-12/13/99	21	31	
ARCH0089	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/90-12/08/99	9	23	
ARCH0102	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/78-06/22/78	0	1	
ARCH0103	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/77-08/22/77	0	1	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0104	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/78-06/22/78	0	1	
ARCH0105	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/78-06/22/78	0	1	
ARCH0106	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/70-09/15/70	0	1	
ARCH0110	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/70-09/15/70	0	1	
ARCH0114	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/21/78-06/21/78	0	1	
ARCH0116	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/97-06/25/98	0	12	
ARCH0117	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/77-01/27/81	3	17	
ARCH0118	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/90-03/24/92	1	3	
ARCH0126	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/90-11/28/99	9	14	
ARCH0133	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/70-09/15/70	0	1	
ARCH0134	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	0	1	
ARCH0135	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/18/79-07/18/79	0	1	
ARCH0136	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/06/80-10/08/81	1	15	
ARCH0137	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/22/79-09/27/79	0	7	
ARCH0141	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/26/78-06/26/78	0	1	
ARCH0142	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/05/77-07/05/77	0	1	
ARCH0143	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	0	1	
ARCH0145	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/05/77-06/13/86	8	12	
ARCH0146	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	0	1	
ARCH0147	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/21/78-06/21/78	0	1	
ARCH0148	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	0	1	
ARCH0149	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/79-08/14/79	0	4	
ARCH0150	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/97-06/25/98	0	12	
ARCH0151	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/26/85-11/26/85	0	1	
ARCH0152	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	0	1	
ARCH0153	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	0	1	
ARCH0154	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/90-11/28/99	9	8	
ARCH0156	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/90-11/28/99	9	23	
ARCH0171	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/08/78-07/08/78	0	1	
ARCH0172	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/21/77-08/21/78	1	4	
ARCH0173	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/05/78-07/05/78	0	1	
ARCH0174	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/27/99-12/07/99	0	3	
ARCH0175	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/10/85-06/10/85	0	1	
ARCH0176	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/19/76-04/07/81	5	60	
ARCH0177	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/01/28-05/22/96	67	1443	
ARCH0178	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/28/76-12/08/99	23	215	
ARCH0180	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/23/85-11/23/85	0	1	
ARCH0181	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/25/33-04/24/59	25	4	
ARCH0182	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/13/85-12/13/85	0	1	
ARCH0183	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/02/78-07/02/78	0	1	
ARCH0047	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/89-10/16/89	0	2	
ARCH0048	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	1	7	
ARCH0049	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/25/88-09/25/88	0	1	
ARCH0050	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	1	6	
ARCH0051	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	1	7	
ARCH0053	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/89-10/16/89	0	2	
ARCH0054	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	1	7	
ARCH0055	No	00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/89-10/16/89	0	2	
ARCH0056	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	1	6	
ARCH0059	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/89-10/16/89	0	2	
ARCH0060	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/88-10/16/89	1	4	
ARCH0061	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/89-10/16/89	0	2	
ARCH0062	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/88-10/16/89	1	3	
ARCH0064	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/13/89-10/16/89	0	3	
ARCH0065	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/88-10/16/89	1	3	
ARCH0066	No	00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/88-10/16/89	1	3	
ARCH0067	No	00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	2	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0097	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	0	3	
ARCH0177	No	00916	CALCIUM, TOTAL (MG/L AS CA)	11/21/90-07/22/91	0	5	
ARCH0048	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0048	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0001	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/29/89-05/29/89	0	1	
ARCH0002	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/29/89-08/05/99	10	17	
ARCH0003	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/11/78-06/11/78	0	1	
ARCH0004	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/11/78-06/11/78	0	1	
ARCH0005	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/29/80-04/29/80	0	1	
ARCH0006	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/27/78-04/29/81	3	3	
ARCH0007	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	0	1	
ARCH0008	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/78-06/24/78	0	1	
ARCH0009	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-03/17/77	2	7	
ARCH0010	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/30/77-10/04/99	22	31	
ARCH0011	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/27/78-06/27/78	0	1	
ARCH0012	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/21/91-04/12/99	7	31	
ARCH0013	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/85-08/15/85	0	1	
ARCH0014	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/78-02/06/90	11	6	
ARCH0015	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/27/78-12/02/99	21	11	
ARCH0016	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/85-08/16/85	0	1	
ARCH0017	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/10/84-02/06/90	5	3	
ARCH0018	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/27/78-06/27/78	0	1	
ARCH0019	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/19/68-11/19/68	0	1	
ARCH0020	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/95-12/06/95	0	1	
ARCH0021	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/85-08/16/85	0	1	
ARCH0022	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/01/64-02/06/90	25	7	
ARCH0023	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/95-12/06/95	0	1	
ARCH0024	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/19/67-10/19/67	0	1	
ARCH0025	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/78-06/24/78	0	1	
ARCH0026	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/68-03/07/68	0	1	
ARCH0028	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/29/99-12/21/99	0	2	
ARCH0029	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/78-07/01/78	0	1	
ARCH0030	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/13/82-06/24/98	15	16	
ARCH0031	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/77-08/30/77	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0032	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/27/78-06/27/78	0	1	
ARCH0033	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/25/83-06/15/83	0	3	
ARCH0034	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-04/29/93	18	7	
ARCH0035	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/95-12/13/99	4	20	
ARCH0036	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/15/77-04/09/81	3	25	
ARCH0037	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	0	1	
ARCH0039	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	7	88	A
ARCH0040	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/78-06/25/78	0	1	
ARCH0041	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/78-06/23/78	0	1	
ARCH0042	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-11/08/79	4	11	
ARCH0043	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/19/64-06/03/66	1	42	
ARCH0044	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/78-06/25/78	0	1	
ARCH0046	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/30/95-02/18/98	2	17	
ARCH0057	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/78-07/01/78	0	1	
ARCH0058	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/78-06/25/78	0	1	
ARCH0068	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/95-12/06/95	0	1	
ARCH0069	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/78-02/06/90	11	4	
ARCH0070	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/19/67-08/15/85	17	2	
ARCH0071	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/78-06/23/78	0	1	
ARCH0072	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	0	1	
ARCH0073	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/11/95-02/18/98	2	13	
ARCH0076	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/08/58-10/08/58	0	1	
ARCH0077	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/17/85-08/17/85	0	1	
ARCH0078	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/10/91-01/10/91	0	1	
ARCH0079	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	0	1	
ARCH0081	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	23	161	T,S
ARCH0082	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/20/79	5	64	
ARCH0083	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/20/65-06/03/66	1	36	
ARCH0084	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	0	1	
ARCH0085	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/77-03/13/78	0	2	
ARCH0086	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/78-12/13/99	21	31	
ARCH0089	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/90-12/08/99	9	23	
ARCH0102	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/78-06/22/78	0	1	
ARCH0103	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/77-08/22/77	0	1	
ARCH0104	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/78-06/22/78	0	1	
ARCH0105	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/78-06/22/78	0	1	
ARCH0106	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/70-09/15/70	0	1	
ARCH0110	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/70-09/15/70	0	1	
ARCH0114	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/21/78-06/21/78	0	1	
ARCH0116	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/97-06/25/98	0	12	
ARCH0117	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/77-01/27/81	3	17	
ARCH0118	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/90-03/24/92	1	3	
ARCH0126	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/90-11/28/99	9	14	
ARCH0133	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/70-09/15/70	0	1	
ARCH0134	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	0	1	
ARCH0135	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/18/79-07/18/79	0	1	
ARCH0136	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/06/80-10/08/81	1	15	
ARCH0137	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/22/79-09/27/79	0	7	
ARCH0141	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/26/78-06/26/78	0	1	
ARCH0142	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/05/77-07/05/77	0	1	
ARCH0143	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	0	1	
ARCH0145	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/05/77-06/13/86	8	12	
ARCH0146	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	0	1	
ARCH0147	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/21/78-06/21/78	0	1	
ARCH0148	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	0	1	
ARCH0149	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/79-08/14/79	0	4	
ARCH0150	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/97-06/25/98	0	12	
ARCH0151	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/26/85-11/26/85	0	1	
ARCH0152	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	0	1	
ARCH0153	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	0	1	
ARCH0154	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/90-11/28/99	9	8	
ARCH0156	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/90-11/28/99	9	23	
ARCH0171	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/08/78-07/08/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0172	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/21/77-08/21/78	1	4	
ARCH0173	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/05/78-07/05/78	0	1	
ARCH0174	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/27/99-12/07/99	0	3	
ARCH0175	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/10/85-06/10/85	0	1	
ARCH0176	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/19/76-04/07/81	5	60	
ARCH0177	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/01/28-05/22/96	67	1443	
ARCH0178	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/28/76-12/08/99	23	215	
ARCH0180	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/23/85-11/23/85	0	1	
ARCH0181	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/25/33-04/24/59	25	4	
ARCH0182	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/13/85-12/13/85	0	1	
ARCH0183	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/02/78-07/02/78	0	1	
ARCH0047	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/89-10/16/89	0	2	
ARCH0048	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-10/16/89	1	7	
ARCH0049	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/88-09/25/88	0	2	
ARCH0050	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/88-10/16/89	1	7	
ARCH0051	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/88-10/16/89	1	8	
ARCH0053	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/89-10/16/89	0	2	
ARCH0054	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/88-10/16/89	1	8	
ARCH0055	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/89-10/16/89	0	2	
ARCH0056	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-10/16/89	1	6	
ARCH0059	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/89-10/16/89	0	2	
ARCH0060	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/88-10/16/89	1	4	
ARCH0061	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/89-10/16/89	0	2	
ARCH0062	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/88-10/16/89	1	3	
ARCH0064	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/13/89-10/16/89	0	3	
ARCH0065	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/88-10/16/89	1	3	
ARCH0066	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/88-10/16/89	1	3	
ARCH0067	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	0	3	
ARCH0177	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/21/90-07/22/91	0	5	
ARCH0047	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/05/89-10/16/89	0	2	
ARCH0048	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-10/16/89	1	7	
ARCH0049	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-09/25/88	0	2	
ARCH0050	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-10/16/89	1	7	
ARCH0051	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-10/16/89	1	8	
ARCH0052	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-07/28/88	0	1	
ARCH0053	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/05/89-10/16/89	0	2	
ARCH0054	No	00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-10/16/89	1	8	
ARCH0055	No	00929	SODIUM, TOTAL (MG/L AS NA)	10/05/89-10/16/89	0	2	
ARCH0056	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-10/16/89	1	6	
ARCH0059	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/89-10/16/89	0	2	
ARCH0060	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/15/88-10/16/89	1	4	
ARCH0061	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/89-10/16/89	0	2	
ARCH0062	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/15/88-10/16/89	1	3	
ARCH0064	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/13/89-10/16/89	0	3	
ARCH0065	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/15/88-10/16/89	1	3	
ARCH0066	No	00929	SODIUM, TOTAL (MG/L AS NA)	09/15/88-10/16/89	1	3	
ARCH0067	No	00929	SODIUM, TOTAL (MG/L AS NA)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	0	3	
ARCH0177	No	00929	SODIUM, TOTAL (MG/L AS NA)	11/21/90-07/22/91	0	5	
ARCH0001	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/29/89-05/29/89	0	1	
ARCH0002	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/29/89-08/05/99	10	14	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0003	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/11/78-06/11/78	0	1	
ARCH0004	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/11/78-06/11/78	0	1	
ARCH0005	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/29/80-04/29/80	0	1	
ARCH0006	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/27/78-04/29/81	3	3	
ARCH0009	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-03/17/77	2	7	
ARCH0010	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/30/77-10/04/99	22	31	
ARCH0012	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/21/91-04/12/99	7	31	
ARCH0013	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/85-08/15/85	0	1	
ARCH0014	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/06/78-02/06/90	11	6	
ARCH0015	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/27/78-12/02/99	21	11	
ARCH0016	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/85-08/16/85	0	1	
ARCH0017	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/10/84-02/06/90	5	3	
ARCH0019	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/19/68-11/19/68	0	1	
ARCH0020	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/95-12/06/95	0	1	
ARCH0021	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/85-08/16/85	0	1	
ARCH0022	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/01/64-02/06/90	25	7	
ARCH0023	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/95-12/06/95	0	1	
ARCH0024	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/19/67-10/19/67	0	1	
ARCH0026	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/68-03/07/68	0	1	
ARCH0028	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/29/99-12/21/99	0	2	
ARCH0030	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/13/82-06/24/98	15	16	
ARCH0031	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/30/77-08/30/77	0	1	
ARCH0033	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/25/83-06/15/83	0	3	
ARCH0034	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-04/29/93	18	7	
ARCH0035	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/95-12/13/99	4	20	
ARCH0036	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/15/77-04/09/81	3	25	
ARCH0039	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	7	88	A
ARCH0042	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-11/08/79	4	11	
ARCH0043	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/19/64-06/03/66	1	42	
ARCH0046	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/30/95-02/18/98	2	13	
ARCH0068	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/95-12/06/95	0	1	
ARCH0069	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/06/78-02/06/90	11	4	
ARCH0070	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/19/67-08/15/85	17	2	
ARCH0073	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/11/95-02/18/98	2	13	
ARCH0077	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/17/85-08/17/85	0	1	
ARCH0078	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/10/91-01/10/91	0	1	
ARCH0081	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	23	156	T,S
ARCH0082	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/20/79	5	64	
ARCH0083	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/20/65-06/03/66	1	36	
ARCH0085	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/77-03/13/78	0	2	
ARCH0086	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/78-12/13/99	21	31	
ARCH0089	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/90-12/08/99	9	23	
ARCH0103	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/15/70-09/15/70	0	1	
ARCH0110	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/15/70-09/15/70	0	1	
ARCH0116	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/97-06/25/98	0	12	
ARCH0117	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/77-01/27/81	3	17	
ARCH0118	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/90-03/24/92	1	3	
ARCH0126	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/90-11/28/99	9	14	
ARCH0133	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/15/70-09/15/70	0	1	
ARCH0134	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	0	1	
ARCH0135	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/18/79-07/18/79	0	1	
ARCH0136	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/06/80-10/08/81	1	15	
ARCH0137	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/22/79-09/27/79	0	7	
ARCH0142	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/05/77-07/05/77	0	1	
ARCH0143	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	0	1	
ARCH0145	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/05/77-06/13/86	8	12	
ARCH0146	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	0	1	
ARCH0148	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	0	1	
ARCH0149	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/79-08/14/79	0	4	
ARCH0150	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/97-06/25/98	0	12	
ARCH0151	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/26/85-11/26/85	0	1	
ARCH0153	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	0	1	
ARCH0155	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/90-11/28/99	9	8	
ARCH0156	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/16/70-09/16/70	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0169	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/90-11/28/99	9	23	
ARCH0172	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/21/77-08/21/78	1	4	
ARCH0174	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/27/99-12/07/99	0	3	
ARCH0175	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/10/85-06/10/85	0	1	
ARCH0176	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	02/19/76-04/07/81	5	60	
ARCH0177	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/01/28-05/22/96	67	1285	
ARCH0178	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/28/76-12/08/99	23	215	
ARCH0180	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/23/85-11/23/85	0	1	
ARCH0181	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/17/54-04/17/54	0	1	
ARCH0182	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/13/85-12/13/85	0	1	
ARCH0019	No	00931	SODIUM ADSORPTION RATIO	11/19/68-11/19/68	0	1	
ARCH0024	No	00931	SODIUM ADSORPTION RATIO	10/19/67-10/19/67	0	1	
ARCH0026	No	00931	SODIUM ADSORPTION RATIO	03/07/68-03/07/68	0	1	
ARCH0039	No	00931	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	7	88	A
ARCH0070	No	00931	SODIUM ADSORPTION RATIO	10/19/67-10/19/67	0	1	
ARCH0076	No	00931	SODIUM ADSORPTION RATIO	10/08/58-10/08/58	0	1	
ARCH0082	No	00931	SODIUM ADSORPTION RATIO	02/26/74-09/20/79	5	64	
ARCH0106	Yes	00931	SODIUM ADSORPTION RATIO	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00931	SODIUM ADSORPTION RATIO	09/15/70-09/15/70	0	1	
ARCH0112	Yes	00931	SODIUM ADSORPTION RATIO	09/15/70-09/15/70	0	1	
ARCH0133	Yes	00931	SODIUM ADSORPTION RATIO	09/15/70-09/15/70	0	1	
ARCH0134	No	00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	0	1	
ARCH0135	No	00931	SODIUM ADSORPTION RATIO	07/18/79-07/18/79	0	1	
ARCH0136	No	00931	SODIUM ADSORPTION RATIO	02/06/80-10/08/81	1	15	
ARCH0137	No	00931	SODIUM ADSORPTION RATIO	03/22/79-09/27/79	0	7	
ARCH0143	No	00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	0	1	
ARCH0146	No	00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	0	1	
ARCH0148	No	00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	0	1	
ARCH0149	No	00931	SODIUM ADSORPTION RATIO	03/21/79-08/14/79	0	4	
ARCH0153	No	00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	0	1	
ARCH0156	No	00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	0	1	
ARCH0162	Yes	00931	SODIUM ADSORPTION RATIO	09/16/70-09/16/70	0	1	
ARCH0175	No	00931	SODIUM ADSORPTION RATIO	06/10/85-06/10/85	0	1	
ARCH0177	No	00931	SODIUM ADSORPTION RATIO	10/01/28-09/03/85	56	1266	
ARCH0181	No	00931	SODIUM ADSORPTION RATIO	10/01/57-04/24/59	1	2	
ARCH0039	No	00932	SODIUM, PERCENT	02/26/74-09/22/81	7	88	A
ARCH0082	No	00932	SODIUM, PERCENT	02/26/74-09/20/79	5	64	
ARCH0106	Yes	00932	SODIUM, PERCENT	09/15/70-09/15/70	0	1	
ARCH0134	No	00932	SODIUM, PERCENT	07/17/79-07/17/79	0	1	
ARCH0135	No	00932	SODIUM, PERCENT	07/18/79-07/18/79	0	1	
ARCH0136	No	00932	SODIUM, PERCENT	02/06/80-10/08/81	1	15	
ARCH0137	No	00932	SODIUM, PERCENT	03/22/79-09/27/79	0	7	
ARCH0143	No	00932	SODIUM, PERCENT	07/17/79-07/17/79	0	1	
ARCH0146	No	00932	SODIUM, PERCENT	07/17/79-07/17/79	0	1	
ARCH0148	No	00932	SODIUM, PERCENT	07/17/79-07/17/79	0	1	
ARCH0149	No	00932	SODIUM, PERCENT	03/21/79-08/14/79	0	4	
ARCH0153	No	00932	SODIUM, PERCENT	07/17/79-07/17/79	0	1	
ARCH0156	No	00932	SODIUM, PERCENT	07/17/79-07/17/79	0	1	
ARCH0175	No	00932	SODIUM, PERCENT	06/10/85-06/10/85	0	1	
ARCH0177	No	00932	SODIUM, PERCENT	10/01/28-09/03/85	56	1135	
ARCH0181	No	00932	SODIUM, PERCENT	04/17/54-04/24/59	5	3	
ARCH0039	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	05/03/79-02/22/80	0	8	
ARCH0076	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	10/08/58-10/08/58	0	1	
ARCH0082	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	05/03/79-09/20/79	0	4	
ARCH0134	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	0	1	
ARCH0135	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/18/79-07/18/79	0	1	
ARCH0136	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	02/06/80-02/06/80	0	1	
ARCH0137	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	06/05/79-09/27/79	0	5	
ARCH0143	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	0	1	
ARCH0146	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	0	1	
ARCH0148	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	0	1	
ARCH0149	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	06/05/79-08/14/79	0	2	
ARCH0153	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	0	1	
ARCH0156	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	0	1	
ARCH0177	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	10/12/43-02/19/80	36	213	
ARCH0181	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	10/25/33-04/24/59	25	2	
ARCH0048	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0065	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0001	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/29/89-05/29/89	0	1	
ARCH0002	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/29/89-08/05/99	10	15	
ARCH0003	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/11/78-06/11/78	0	1	
ARCH0004	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/11/78-06/11/78	0	1	
ARCH0005	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/29/80-04/29/80	0	1	
ARCH0006	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/27/78-04/29/81	3	3	
ARCH0009	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-03/17/77	2	7	
ARCH0010	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/30/77-10/04/99	22	31	
ARCH0012	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/21/91-04/12/99	7	31	
ARCH0013	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/85-08/15/85	0	1	
ARCH0014	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/06/78-02/06/90	11	6	
ARCH0015	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/27/78-12/02/99	21	11	
ARCH0016	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/16/85-08/16/85	0	1	
ARCH0017	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/10/84-02/06/90	5	3	
ARCH0019	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/19/68-11/19/68	0	1	
ARCH0020	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/95-12/06/95	0	1	
ARCH0021	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/16/85-08/16/85	0	1	
ARCH0022	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/64-02/06/90	25	7	
ARCH0023	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/95-12/06/95	0	1	
ARCH0024	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/19/67-10/19/67	0	1	
ARCH0026	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/07/68-03/07/68	0	1	
ARCH0028	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/29/99-12/21/99	0	2	
ARCH0030	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/13/82-06/24/98	15	16	
ARCH0031	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/30/77-08/30/77	0	1	
ARCH0033	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/25/83-06/15/83	0	3	
ARCH0034	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-04/29/93	18	7	
ARCH0035	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/95-12/13/99	4	20	
ARCH0036	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/15/77-04/09/81	3	25	
ARCH0039	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	7	88	A
ARCH0042	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-11/08/79	4	11	
ARCH0043	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/19/64-06/03/66	1	42	
ARCH0046	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/30/95-02/18/98	2	13	
ARCH0068	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/95-12/06/95	0	1	
ARCH0069	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/06/78-02/06/90	11	4	
ARCH0070	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/19/67-08/15/85	17	2	
ARCH0073	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/11/95-02/18/98	2	13	
ARCH0077	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/17/85-08/17/85	0	1	
ARCH0078	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/10/91-01/10/91	0	1	
ARCH0081	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	23	156	T,S
ARCH0082	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/20/79	5	64	
ARCH0083	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/20/65-06/03/66	1	36	
ARCH0085	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/77-03/13/78	0	2	
ARCH0086	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/78-12/13/99	21	31	
ARCH0089	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/90-12/08/99	9	23	
ARCH0103	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/70-09/15/70	0	1	
ARCH0110	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/90-08/23/99	8	21	
ARCH0112	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/70-09/15/70	0	1	
ARCH0116	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/97-06/25/98	0	12	
ARCH0117	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/77-01/27/81	3	17	
ARCH0118	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/90-03/24/92	1	3	
ARCH0126	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/90-11/28/99	9	14	
ARCH0133	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/70-09/15/70	0	1	
ARCH0134	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	0	1	
ARCH0135	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/18/79-07/18/79	0	1	
ARCH0136	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/06/80-10/08/81	1	15	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0137	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/22/79-09/27/79	0	7	
ARCH0142	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/05/77-07/05/77	0	1	
ARCH0143	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	0	1	
ARCH0145	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/05/77-06/13/86	8	12	
ARCH0146	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	0	1	
ARCH0148	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	0	1	
ARCH0149	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/21/79-08/14/79	0	4	
ARCH0150	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/97-06/25/98	0	12	
ARCH0151	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/26/85-11/26/85	0	1	
ARCH0153	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	0	1	
ARCH0155	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/90-11/28/99	9	8	
ARCH0156	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/24/91-04/28/99	8	9	
ARCH0162	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/90-11/28/99	9	23	
ARCH0172	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/21/77-08/21/78	1	4	
ARCH0174	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/27/99-12/07/99	0	3	
ARCH0175	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/10/85-06/10/85	0	1	
ARCH0176	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/19/76-04/07/81	5	60	
ARCH0177	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/01/28-05/22/96	67	1055	
ARCH0178	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/28/76-12/08/99	23	215	
ARCH0180	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/23/85-11/23/85	0	1	
ARCH0181	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/17/54-04/17/54	0	1	
ARCH0182	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/13/85-12/13/85	0	1	
ARCH0047	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/05/89-10/16/89	0	2	
ARCH0048	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	1	7	
ARCH0049	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/25/88-09/25/88	0	1	
ARCH0050	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	1	6	
ARCH0051	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	1	7	
ARCH0053	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/05/89-10/16/89	0	2	
ARCH0054	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	1	7	
ARCH0055	No	00937	POTASSIUM, TOTAL MG/L AS K)	10/05/89-10/16/89	0	2	
ARCH0056	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	1	6	
ARCH0059	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/89-10/16/89	0	2	
ARCH0060	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/15/88-10/16/89	1	4	
ARCH0061	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/89-10/16/89	0	2	
ARCH0062	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/15/88-10/16/89	1	3	
ARCH0064	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/13/89-10/16/89	0	3	
ARCH0065	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/15/88-10/16/89	1	3	
ARCH0066	No	00937	POTASSIUM, TOTAL MG/L AS K)	09/15/88-10/16/89	1	3	
ARCH0067	No	00937	POTASSIUM, TOTAL MG/L AS K)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	0	3	
ARCH0177	No	00937	POTASSIUM, TOTAL MG/L AS K)	11/21/90-07/22/91	0	5	
ARCH0013	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/85-08/15/85	0	1	
ARCH0016	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/85-08/16/85	0	1	
ARCH0019	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/19/68-11/19/68	0	1	
ARCH0021	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/85-08/16/85	0	1	
ARCH0024	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/19/67-10/19/67	0	1	
ARCH0026	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/68-03/07/68	0	1	
ARCH0039	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	7	88	A
ARCH0043	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/64-06/03/66	1	42	
ARCH0047	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/89-10/16/89	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0060	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/89-08/15/89	0	1	
ARCH0070	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/19/67-08/15/85	17	2	
ARCH0076	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/08/58-10/08/58	0	1	
ARCH0077	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/85-08/17/85	0	1	
ARCH0082	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/20/79	5	64	
ARCH0083	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/20/65-06/03/66	1	36	
ARCH0090	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	01/03/85-05/05/90	5	9	
ARCH0091	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0103	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/70-09/15/70	0	1	
ARCH0108	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/04/87-04/25/90	2	5	
ARCH0109	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/04/87-04/25/90	2	7	
ARCH0112	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/70-09/15/70	0	1	
ARCH0113	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	0	1	
ARCH0121	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/14/87-04/24/90	2	6	
ARCH0123	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	0	1	
ARCH0125	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	0	1	
ARCH0127	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	0	1	
ARCH0128	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	0	1	
ARCH0129	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/88-08/13/88	0	1	
ARCH0131	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/10/88-05/03/90	1	5	
ARCH0133	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/70-09/15/70	0	1	
ARCH0134	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	0	1	
ARCH0135	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/79-07/18/79	0	1	
ARCH0136	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/06/80-10/08/81	1	15	
ARCH0137	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/79-09/27/79	0	7	
ARCH0138	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/88-08/13/88	0	1	
ARCH0139	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/88-08/13/88	0	1	
ARCH0143	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	0	1	
ARCH0146	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	0	1	
ARCH0148	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	0	1	
ARCH0149	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/21/79-08/14/79	0	4	
ARCH0151	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/26/85-11/26/85	0	1	
ARCH0153	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	0	1	
ARCH0156	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	0	1	
ARCH0157	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	08/23/87-04/24/90	2	8	
ARCH0162	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	09/16/70-09/16/70	0	1	
ARCH0163	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/15/89-05/03/90	0	2	
ARCH0165	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/86-04/24/90	3	8	
ARCH0175	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/10/85-06/10/85	0	1	
ARCH0177	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/01/28-05/22/96	67	1514	
ARCH0180	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/23/85-11/23/85	0	1	
ARCH0181	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/25/33-04/24/59	25	4	
ARCH0182	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/13/85-12/13/85	0	1	
ARCH0001	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/29/89-08/05/99	10	15	
ARCH0003	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/11/78-06/11/78	0	1	
ARCH0004	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/11/78-06/11/78	0	1	
ARCH0005	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/27/78-04/29/81	3	3	
ARCH0009	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-03/17/77	2	7	
ARCH0010	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/30/77-10/04/99	22	31	
ARCH0012	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/21/91-04/12/99	7	31	
ARCH0014	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/06/78-02/06/90	11	6	
ARCH0015	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/27/78-12/02/99	21	11	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0017	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	12/10/84-02/06/90	5	3	
ARCH0020	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0022	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/01/64-02/06/90	25	7	
ARCH0023	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0028	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/29/99-12/21/99	0	2	
ARCH0030	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/13/82-06/24/98	15	16	
ARCH0031	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/30/77-08/30/77	0	1	
ARCH0033	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/25/83-06/15/83	0	3	
ARCH0034	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-04/29/93	18	7	
ARCH0035	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/24/95-12/13/99	4	20	
ARCH0036	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/15/77-04/09/81	3	24	
ARCH0042	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-11/08/79	4	11	
ARCH0046	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/30/95-02/18/98	2	13	
ARCH0068	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0069	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/06/78-02/06/90	11	4	
ARCH0073	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/11/95-02/18/98	2	12	
ARCH0078	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	23	157	T,S
ARCH0085	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/29/77-03/13/78	0	2	
ARCH0086	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/78-12/13/99	21	31	
ARCH0089	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/29/90-12/08/99	9	23	
ARCH0110	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/28/90-08/23/99	8	21	
ARCH0116	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/97-06/25/98	0	12	
ARCH0117	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/29/77-01/27/81	3	17	
ARCH0118	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/22/90-11/28/99	9	14	
ARCH0142	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/05/77-07/05/77	0	1	
ARCH0145	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/05/77-06/13/86	8	12	
ARCH0150	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/24/91-04/28/99	8	9	
ARCH0169	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/20/90-11/28/99	9	23	
ARCH0172	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/21/77-08/21/78	1	5	
ARCH0174	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/27/99-12/07/99	0	3	
ARCH0176	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/19/76-04/07/81	5	60	
ARCH0178	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/28/76-12/08/99	23	215	
ARCH0013	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/85-08/15/85	0	1	
ARCH0016	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/85-08/16/85	0	1	
ARCH0019	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/19/68-11/19/68	0	1	
ARCH0021	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/85-08/16/85	0	1	
ARCH0024	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/19/67-10/19/67	0	1	
ARCH0026	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/68-03/07/68	0	1	
ARCH0039	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	7	88	A
ARCH0043	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/19/64-06/03/66	1	42	
ARCH0047	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/05/89-10/16/89	0	2	
ARCH0048	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-10/16/89	1	7	
ARCH0049	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-09/25/88	0	2	
ARCH0050	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-10/16/89	1	7	
ARCH0051	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-10/16/89	1	8	
ARCH0052	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-07/28/88	0	1	
ARCH0053	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/05/89-10/16/89	0	2	
ARCH0054	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-10/16/89	1	8	
ARCH0055	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/05/89-10/16/89	0	2	
ARCH0056	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-10/16/89	1	6	
ARCH0059	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/89-10/16/89	0	2	
ARCH0060	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/88-10/16/89	1	4	
ARCH0061	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/89-10/16/89	0	2	
ARCH0062	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/88-10/16/89	1	3	
ARCH0064	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/89-10/16/89	0	3	
ARCH0065	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/88-10/16/89	1	3	
ARCH0066	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/88-10/16/89	1	3	
ARCH0067	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/89-08/15/89	0	1	
ARCH0070	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/19/67-08/15/85	17	2	
ARCH0076	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/08/58-10/08/58	0	1	
ARCH0077	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/17/85-08/17/85	0	1	
ARCH0082	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/20/79	5	64	
ARCH0083	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/20/65-06/03/66	1	36	
ARCH0088	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0090	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/84-05/05/90	5	12	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0091	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	0	3	
ARCH0103	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/70-09/15/70	0	1	
ARCH0108	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/03/85-04/25/90	5	7	
ARCH0109	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	01/03/85-04/25/90	5	9	
ARCH0112	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/70-09/15/70	0	1	
ARCH0115	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0121	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/05/85-04/24/90	4	8	
ARCH0124	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0131	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/84-05/03/90	5	11	
ARCH0132	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0133	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/70-09/15/70	0	1	
ARCH0134	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	0	1	
ARCH0135	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/79-07/18/79	0	1	
ARCH0136	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/06/80-10/08/81	1	15	
ARCH0137	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/22/79-09/27/79	0	7	
ARCH0143	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	0	1	
ARCH0144	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0146	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	0	1	
ARCH0148	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	0	1	
ARCH0149	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/21/79-08/14/79	0	4	
ARCH0151	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/26/85-11/26/85	0	1	
ARCH0153	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	0	1	
ARCH0156	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	0	1	
ARCH0157	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/84-04/24/90	5	12	
ARCH0158	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0162	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/70-09/16/70	0	1	
ARCH0163	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/15/89-05/03/90	0	2	
ARCH0164	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0165	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/84-04/24/90	5	11	
ARCH0166	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0170	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	0	1	
ARCH0175	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/10/85-06/10/85	0	1	
ARCH0177	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/01/28-05/22/96	67	1509	
ARCH0180	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/23/85-11/23/85	0	1	
ARCH0181	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/25/33-04/24/59	25	4	
ARCH0182	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/13/85-12/13/85	0	1	
ARCH0001	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/29/89-05/29/89	0	1	
ARCH0002	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/29/89-08/05/99	10	15	
ARCH0003	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/11/78-06/11/78	0	1	
ARCH0004	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/11/78-06/11/78	0	1	
ARCH0005	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/29/80-04/29/80	0	1	
ARCH0006	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/27/78-04/29/81	3	3	
ARCH0009	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-03/17/77	2	7	
ARCH0010	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/30/77-10/04/99	22	31	
ARCH0012	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/21/91-04/12/99	7	31	
ARCH0014	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/06/78-02/06/90	11	6	
ARCH0015	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/27/78-12/02/99	21	11	
ARCH0017	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	12/10/84-02/06/90	5	3	
ARCH0020	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	12/06/95-12/06/95	0	1	
ARCH0022	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/01/64-02/06/90	25	7	
ARCH0023	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	12/06/95-12/06/95	0	1	
ARCH0028	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/29/99-12/21/99	0	2	
ARCH0030	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/13/82-06/24/98	15	16	
ARCH0031	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/30/77-08/30/77	0	1	
ARCH0033	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/25/83-06/15/83	0	3	
ARCH0034	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-04/29/93	18	7	
ARCH0035	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/24/95-12/13/99	4	20	
ARCH0036	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/15/77-04/09/81	3	25	
ARCH0042	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-11/08/79	4	11	
ARCH0046	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/30/95-02/18/98	2	13	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0068	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	12/06/95-12/06/95	0	1	
ARCH0069	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/06/78-02/06/90	11	4	
ARCH0073	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/11/95-02/18/98	2	13	
ARCH0078	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/10/91-01/10/91	0	1	
ARCH0081	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	23	157	T,S
ARCH0085	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/29/77-03/13/78	0	2	
ARCH0086	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/78-12/13/99	21	31	
ARCH0089	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/29/90-12/08/99	9	23	
ARCH0110	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/04/91-03/23/92	0	3	
ARCH0111	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/28/90-08/23/99	8	21	
ARCH0116	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/97-06/25/98	0	12	
ARCH0117	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/29/77-01/27/81	3	17	
ARCH0118	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/21/77-10/23/78	1	8	
ARCH0120	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/22/90-03/24/92	1	3	
ARCH0126	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/12/77-10/22/80	3	17	
ARCH0130	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/22/90-11/28/99	9	14	
ARCH0142	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/05/77-07/05/77	0	1	
ARCH0145	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/05/77-06/13/86	8	12	
ARCH0150	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/97-06/25/98	0	12	
ARCH0155	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/20/90-11/28/99	9	8	
ARCH0161	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/24/91-04/28/99	8	9	
ARCH0169	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/20/90-11/28/99	9	23	
ARCH0172	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/21/77-08/21/78	1	4	
ARCH0174	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/27/99-12/07/99	0	3	
ARCH0176	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/19/76-04/07/81	5	61	
ARCH0178	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/28/76-12/08/99	23	214	
ARCH0003	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/11/78-06/11/78	0	1	
ARCH0004	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/11/78-06/11/78	0	1	
ARCH0005	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/29/80-04/29/80	0	1	
ARCH0006	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/27/78-04/29/81	3	3	
ARCH0009	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-03/17/77	2	7	
ARCH0010	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/30/77-03/30/77	0	1	
ARCH0013	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/85-08/15/85	0	1	
ARCH0014	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/06/78-02/06/90	11	6	
ARCH0015	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/27/78-04/29/81	3	2	
ARCH0016	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/16/85-08/16/85	0	1	
ARCH0017	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/10/84-02/06/90	5	3	
ARCH0019	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/19/68-11/19/68	0	1	
ARCH0021	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/16/85-08/16/85	0	1	
ARCH0022	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/01/64-02/06/90	25	7	
ARCH0024	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/19/67-10/19/67	0	1	
ARCH0026	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/07/68-03/07/68	0	1	
ARCH0031	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/30/77-08/30/77	0	1	
ARCH0034	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-02/23/77	2	6	
ARCH0036	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/15/77-04/09/81	3	24	
ARCH0039	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/26/74-07/30/80	6	13	
ARCH0042	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-11/08/79	4	11	
ARCH0046	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/15/95-02/18/98	2	10	
ARCH0069	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/06/78-02/06/90	11	4	
ARCH0070	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/19/67-08/15/85	17	2	
ARCH0073	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/07/95-02/18/98	2	9	
ARCH0077	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/17/85-08/17/85	0	1	
ARCH0081	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-02/18/98	23	46	S
ARCH0082	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/26/74-09/20/79	5	11	
ARCH0085	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/29/77-03/13/78	0	2	
ARCH0086	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/14/78-01/27/81	2	18	
ARCH0103	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/70-09/15/70	0	1	
ARCH0117	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/29/77-01/27/81	3	17	
ARCH0118	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/21/77-10/23/78	1	8	
ARCH0126	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/12/77-10/22/80	3	17	
ARCH0133	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/70-09/15/70	0	1	
ARCH0134	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	0	1	
ARCH0135	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/18/79-07/18/79	0	1	
ARCH0136	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/06/80-10/08/81	1	15	
ARCH0137	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/22/79-09/27/79	0	7	
ARCH0142	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/05/77-07/05/77	0	1	
ARCH0143	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	0	1	
ARCH0145	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/05/77-12/13/79	2	11	
ARCH0146	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0148	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	0	1	
ARCH0149	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/21/79-08/14/79	0	4	
ARCH0151	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/26/85-11/26/85	0	1	
ARCH0153	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	0	1	
ARCH0156	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	0	1	
ARCH0162	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/70-09/16/70	0	1	
ARCH0172	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/21/77-08/21/78	1	4	
ARCH0175	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/10/85-06/10/85	0	1	
ARCH0176	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/19/76-04/07/81	5	61	
ARCH0177	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/11/33-05/22/96	63	326	
ARCH0178	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/28/76-08/26/81	4	26	
ARCH0180	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/23/85-11/23/85	0	1	
ARCH0182	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/13/85-12/13/85	0	1	
ARCH0047	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/05/89-10/16/89	0	2	
ARCH0048	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-10/16/89	1	7	
ARCH0049	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-09/25/88	0	2	
ARCH0050	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-10/16/89	1	7	
ARCH0051	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-10/16/89	1	8	
ARCH0052	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-07/28/88	0	1	
ARCH0053	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/05/89-10/16/89	0	2	
ARCH0054	No	00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-10/16/89	1	8	
ARCH0055	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/05/89-10/16/89	0	2	
ARCH0056	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-10/16/89	1	6	
ARCH0059	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/89-10/16/89	0	2	
ARCH0060	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/15/88-10/16/89	1	4	
ARCH0061	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/89-10/16/89	0	2	
ARCH0062	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/15/88-10/16/89	1	3	
ARCH0064	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/13/89-10/16/89	0	3	
ARCH0065	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/15/88-10/16/89	1	3	
ARCH0066	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/15/88-10/16/89	1	3	
ARCH0067	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	0	3	
ARCH0002	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/90-08/07/91	1	4	
ARCH0003	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/11/78-06/11/78	0	1	
ARCH0004	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/11/78-06/11/78	0	1	
ARCH0005	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/29/80-04/29/80	0	1	
ARCH0006	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/27/78-04/29/81	3	3	
ARCH0009	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/75-03/17/77	2	7	
ARCH0010	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/30/77-03/30/77	0	1	
ARCH0013	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/85-08/15/85	0	1	
ARCH0014	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/06/78-02/06/90	11	6	
ARCH0015	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/27/78-04/29/81	3	2	
ARCH0016	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/16/85-08/16/85	0	1	
ARCH0017	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/10/84-02/06/90	5	3	
ARCH0019	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/19/68-11/19/68	0	1	
ARCH0021	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/16/85-08/16/85	0	1	
ARCH0022	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/01/64-02/06/90	25	7	
ARCH0024	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/19/67-10/19/67	0	1	
ARCH0026	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/07/68-03/07/68	0	1	
ARCH0031	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/30/77-08/30/77	0	1	
ARCH0034	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/75-02/23/77	2	6	
ARCH0036	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/15/77-04/09/81	3	24	
ARCH0039	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	5	65	
ARCH0042	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/75-11/08/79	4	11	
ARCH0043	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/19/64-09/19/64	0	1	
ARCH0069	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/06/78-02/06/90	11	4	
ARCH0070	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/19/67-08/15/85	17	2	
ARCH0076	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/08/58-10/08/58	0	1	
ARCH0077	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/17/85-08/17/85	0	1	
ARCH0081	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/75-06/09/81	6	37	
ARCH0082	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	5	64	
ARCH0085	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/29/77-03/13/78	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0086	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/14/78-01/27/81	2	18	
ARCH0103	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/70-09/15/70	0	1	
ARCH0117	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/29/77-01/27/81	3	17	
ARCH0118	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/21/77-10/23/78	1	8	
ARCH0126	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/12/77-10/22/80	3	17	
ARCH0133	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/70-09/15/70	0	1	
ARCH0134	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	0	1	
ARCH0135	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/18/79-07/18/79	0	1	
ARCH0136	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/06/80-10/08/81	1	15	
ARCH0137	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/22/79-09/27/79	0	6	
ARCH0142	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/05/77-07/05/77	0	1	
ARCH0143	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	0	1	
ARCH0145	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/05/77-12/13/79	2	11	
ARCH0146	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	0	1	
ARCH0148	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	0	1	
ARCH0149	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/21/79-08/14/79	0	4	
ARCH0151	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/26/85-11/26/85	0	1	
ARCH0153	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	0	1	
ARCH0156	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	0	1	
ARCH0162	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/16/70-09/16/70	0	1	
ARCH0172	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/21/77-08/21/78	1	4	
ARCH0175	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/10/85-06/10/85	0	1	
ARCH0176	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/19/76-04/07/81	5	61	
ARCH0177	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/01/28-05/22/96	67	1366	
ARCH0178	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/76-12/23/81	5	27	
ARCH0180	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/23/85-11/23/85	0	1	
ARCH0181	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/54-04/24/59	5	3	
ARCH0182	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/13/85-12/13/85	0	1	
ARCH0002	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/11/93-08/05/99	5	4	
ARCH0009	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/31/76-03/17/77	0	4	
ARCH0010	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	04/04/94-07/30/95	1	2	
ARCH0012	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/30/95-07/30/95	0	1	
ARCH0013	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/85-08/15/85	0	1	
ARCH0014	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/06/78-06/06/78	0	1	
ARCH0015	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/12/95-12/02/99	4	9	
ARCH0016	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/16/85-08/16/85	0	1	
ARCH0019	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/19/68-11/19/68	0	1	
ARCH0020	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/06/95-12/06/95	0	1	
ARCH0021	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/16/85-08/16/85	0	1	
ARCH0022	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/06/78-06/06/78	0	1	
ARCH0023	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/06/95-12/06/95	0	1	
ARCH0028	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/29/99-12/21/99	0	2	
ARCH0030	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/31/97-05/06/98	0	4	
ARCH0034	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/20/76-04/29/93	16	4	
ARCH0035	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/24/95-12/13/99	4	12	
ARCH0036	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/15/77-03/15/78	0	5	
ARCH0042	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/28/75-06/15/77	2	7	
ARCH0043	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/23/69-06/23/69	0	1	
ARCH0046	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/15/95-02/18/98	2	11	
ARCH0068	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/06/95-12/06/95	0	1	
ARCH0069	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/06/78-06/06/78	0	1	
ARCH0070	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/85-08/15/85	0	1	
ARCH0073	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/11/95-02/18/98	2	12	
ARCH0077	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/17/85-08/17/85	0	1	
ARCH0081	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/19/76-01/21/99	22	40	
ARCH0085	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/13/78-03/13/78	0	1	
ARCH0086	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/93-12/08/99	6	14	
ARCH0106	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/70-09/15/70	0	1	
ARCH0111	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/93-08/23/99	5	12	
ARCH0112	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/70-09/15/70	0	1	
ARCH0116	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/31/97-05/07/98	0	4	
ARCH0117	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/16/79-01/27/81	2	15	
ARCH0118	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/21/77-10/17/77	0	3	
ARCH0126	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/29/97-11/28/99	2	8	
ARCH0133	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/70-09/15/70	0	1	
ARCH0142	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/05/77-07/05/77	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0145	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/05/77-12/13/79	2	9	
ARCH0150	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/31/97-05/07/98	0	4	
ARCH0151	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/26/85-11/26/85	0	1	
ARCH0155	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/01/97-04/28/99	1	6	
ARCH0162	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/93-11/28/99	6	14	
ARCH0172	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/21/77-06/21/77	0	1	
ARCH0174	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/04/99-12/07/99	0	4	
ARCH0175	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/10/85-06/10/85	0	1	
ARCH0176	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/19/76-02/15/79	2	6	
ARCH0177	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/22/74-05/22/96	21	64	
ARCH0178	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/28/76-12/08/99	23	45	
ARCH0180	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/23/85-11/23/85	0	1	
ARCH0182	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/13/85-12/13/85	0	1	
ARCH0177	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	10/22/74-08/25/82	7	17	
ARCH0010	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/12/94-07/12/94	0	1	
ARCH0012	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/04/94-07/12/94	0	2	
ARCH0014	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/15/81-02/06/90	8	5	
ARCH0017	No	01002	ARSENIC, TOTAL (UG/L AS AS)	12/10/84-02/06/90	5	3	
ARCH0022	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/30/81-02/06/90	8	5	
ARCH0046	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/11/95-02/13/97	1	5	
ARCH0047	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/05/89-10/16/89	0	2	
ARCH0048	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-10/16/89	1	7	
ARCH0049	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-09/25/88	0	2	
ARCH0050	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-10/16/89	1	7	
ARCH0051	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-10/16/89	1	8	
ARCH0052	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-07/28/88	0	1	
ARCH0053	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/05/89-10/16/89	0	2	
ARCH0054	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-10/16/89	1	8	
ARCH0055	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/05/89-10/16/89	0	2	
ARCH0056	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-10/16/89	1	6	
ARCH0059	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/15/89-10/16/89	0	2	
ARCH0060	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/88-10/16/89	1	4	
ARCH0061	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/15/89-10/16/89	0	2	
ARCH0062	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/88-10/16/89	1	3	
ARCH0064	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/13/89-10/16/89	0	3	
ARCH0065	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/88-10/16/89	1	3	
ARCH0066	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/88-10/16/89	1	3	
ARCH0067	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/15/89-08/15/89	0	1	
ARCH0069	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/29/81-02/06/90	8	3	
ARCH0074	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/27/77-01/27/77	0	1	
ARCH0081	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/29/95-02/13/97	1	4	
ARCH0091	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	0	3	
ARCH0177	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/22/74-07/22/91	16	26	
ARCH0048	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0101	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0119	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/15/71-04/04/72	0	5	
ARCH0002	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/05/99-08/05/99	0	1	
ARCH0009	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/75-03/17/77	1	2	
ARCH0010	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/30/95-07/30/95	0	1	
ARCH0012	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/30/95-07/30/95	0	1	
ARCH0013	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/85-08/15/85	0	1	
ARCH0014	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/06/78-06/06/78	0	1	
ARCH0015	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/12/95-12/02/99	4	9	
ARCH0016	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/16/85-08/16/85	0	1	
ARCH0020	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/06/95-12/06/95	0	1	
ARCH0021	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/16/85-08/16/85	0	1	
ARCH0022	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	04/01/64-06/06/78	14	2	
ARCH0023	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/06/95-12/06/95	0	1	
ARCH0028	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/29/99-12/21/99	0	2	
ARCH0030	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/31/97-05/06/98	0	4	
ARCH0034	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	04/29/93-04/29/93	0	1	
ARCH0035	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/24/95-12/13/99	4	12	
ARCH0036	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/13/77-03/15/78	0	2	
ARCH0046	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	11/15/95-02/18/98	2	11	
ARCH0068	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/06/95-12/06/95	0	1	
ARCH0069	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/06/78-06/06/78	0	1	
ARCH0070	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/85-08/15/85	0	1	
ARCH0073	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/11/95-02/18/98	2	12	
ARCH0077	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/17/85-08/17/85	0	1	
ARCH0081	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/75-01/21/99	23	31	
ARCH0085	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/13/78-03/13/78	0	1	
ARCH0086	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/01/93-12/08/99	6	14	
ARCH0111	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/01/93-08/23/99	5	12	
ARCH0116	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/31/97-05/07/98	0	4	
ARCH0117	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	01/16/79-01/27/81	2	15	
ARCH0118	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/17/77-10/17/77	0	1	
ARCH0126	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/29/97-11/28/99	2	8	
ARCH0145	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/13/78-12/13/79	1	8	
ARCH0150	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/31/97-05/07/98	0	4	
ARCH0151	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	11/26/85-11/26/85	0	1	
ARCH0155	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/01/93-11/28/99	6	14	
ARCH0174	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/04/99-12/07/99	0	4	
ARCH0175	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/10/85-06/10/85	0	1	
ARCH0176	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	02/15/79-02/15/79	0	1	
ARCH0177	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/20/77-05/22/96	18	65	
ARCH0178	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/16/77-12/08/99	22	35	
ARCH0180	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	11/23/85-11/23/85	0	1	
ARCH0182	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/13/85-12/13/85	0	1	
ARCH0177	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	10/20/77-08/25/82	4	16	
ARCH0014	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/15/81-02/06/90	8	5	
ARCH0017	No	01007	BARIUM, TOTAL (UG/L AS BA)	12/10/84-02/06/90	5	3	
ARCH0022	No	01007	BARIUM, TOTAL (UG/L AS BA)	06/30/81-02/06/90	8	5	
ARCH0046	No	01007	BARIUM, TOTAL (UG/L AS BA)	05/11/95-02/13/97	1	5	
ARCH0047	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/05/89-10/16/89	0	2	
ARCH0048	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-10/16/89	1	7	
ARCH0049	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-09/25/88	0	2	
ARCH0050	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-10/16/89	1	7	
ARCH0051	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-10/16/89	1	8	
ARCH0052	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-07/28/88	0	1	
ARCH0053	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/05/89-10/16/89	0	2	
ARCH0054	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-10/16/89	1	8	
ARCH0055	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/05/89-10/16/89	0	2	
ARCH0056	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-10/16/89	1	6	
ARCH0059	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/15/89-10/16/89	0	2	
ARCH0060	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/15/88-10/16/89	1	4	
ARCH0061	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/15/89-10/16/89	0	2	
ARCH0062	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/15/88-10/16/89	1	3	
ARCH0064	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/13/89-10/16/89	0	3	
ARCH0065	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/15/88-10/16/89	1	3	
ARCH0066	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/15/88-10/16/89	1	3	
ARCH0067	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/15/89-08/15/89	0	1	
ARCH0069	No	01007	BARIUM, TOTAL (UG/L AS BA)	06/29/81-02/06/90	8	3	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0081	No	01007	BARIUM, TOTAL (UG/L AS BA)	06/29/95-02/13/97	1	4	
ARCH0091	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	0	3	
ARCH0177	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/20/77-08/25/82	4	16	
ARCH0048	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0039	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/25/76-05/25/76	0	1	
ARCH0046	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/07/95-02/18/98	2	9	
ARCH0073	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/07/95-02/18/98	2	9	
ARCH0081	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/07/95-02/18/98	2	9	
ARCH0177	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/21/82-05/22/96	13	40	
ARCH0046	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/21/95-02/13/97	1	2	
ARCH0047	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/05/89-10/16/89	0	2	
ARCH0048	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-10/16/89	1	7	
ARCH0049	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-09/25/88	0	2	
ARCH0050	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-10/16/89	1	7	
ARCH0051	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-10/16/89	1	8	
ARCH0052	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-07/28/88	0	1	
ARCH0053	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/05/89-10/16/89	0	2	
ARCH0054	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-10/16/89	1	8	
ARCH0055	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/05/89-10/16/89	0	2	
ARCH0056	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-10/16/89	1	6	
ARCH0059	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/15/89-10/16/89	0	2	
ARCH0060	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/15/88-10/16/89	1	4	
ARCH0061	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/15/89-10/16/89	0	2	
ARCH0062	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/15/88-10/16/89	1	3	
ARCH0064	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/13/89-10/16/89	0	3	
ARCH0065	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/15/88-10/16/89	1	3	
ARCH0066	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/15/88-10/16/89	1	3	
ARCH0067	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/15/89-08/15/89	0	1	
ARCH0073	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/21/95-09/21/95	0	1	
ARCH0081	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/21/95-02/13/97	1	2	
ARCH0091	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	0	3	
ARCH0047	No	01017	BISMUTH, TOTAL (UG/L AS BI)	10/05/89-10/16/89	0	2	
ARCH0048	No	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-10/16/89	1	7	
ARCH0049	No	01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-09/25/88	0	2	
ARCH0050	No	01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-10/16/89	1	7	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0051	No	01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-10/16/89	1	8	
ARCH0052	No	01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-07/28/88	0	1	
ARCH0053	No	01017	BISMUTH, TOTAL (UG/L AS BI)	10/05/89-10/16/89	0	2	
ARCH0054	No	01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-10/16/89	1	8	
ARCH0055	No	01017	BISMUTH, TOTAL (UG/L AS BI)	10/05/89-10/16/89	0	2	
ARCH0056	No	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-10/16/89	1	6	
ARCH0059	No	01017	BISMUTH, TOTAL (UG/L AS BI)	08/15/89-10/16/89	0	2	
ARCH0060	No	01017	BISMUTH, TOTAL (UG/L AS BI)	09/15/88-10/16/89	1	4	
ARCH0061	No	01017	BISMUTH, TOTAL (UG/L AS BI)	08/15/89-10/16/89	0	2	
ARCH0062	No	01017	BISMUTH, TOTAL (UG/L AS BI)	09/15/88-10/16/89	1	3	
ARCH0064	No	01017	BISMUTH, TOTAL (UG/L AS BI)	09/13/89-10/16/89	0	3	
ARCH0065	No	01017	BISMUTH, TOTAL (UG/L AS BI)	09/15/88-10/16/89	1	3	
ARCH0066	No	01017	BISMUTH, TOTAL (UG/L AS BI)	09/15/88-10/16/89	1	3	
ARCH0067	No	01017	BISMUTH, TOTAL (UG/L AS BI)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	0	3	
ARCH0003	No	01020	BORON, DISSOLVED (UG/L AS B)	06/11/78-06/11/78	0	1	
ARCH0004	No	01020	BORON, DISSOLVED (UG/L AS B)	06/11/78-06/11/78	0	1	
ARCH0005	No	01020	BORON, DISSOLVED (UG/L AS B)	04/29/80-04/29/80	0	1	
ARCH0006	No	01020	BORON, DISSOLVED (UG/L AS B)	03/27/78-04/29/81	3	3	
ARCH0009	No	01020	BORON, DISSOLVED (UG/L AS B)	01/28/75-03/17/77	2	7	
ARCH0010	No	01020	BORON, DISSOLVED (UG/L AS B)	03/30/77-03/30/77	0	1	
ARCH0014	No	01020	BORON, DISSOLVED (UG/L AS B)	06/06/78-06/29/81	3	3	
ARCH0015	No	01020	BORON, DISSOLVED (UG/L AS B)	03/27/78-04/29/81	3	2	
ARCH0019	No	01020	BORON, DISSOLVED (UG/L AS B)	11/19/68-11/19/68	0	1	
ARCH0022	No	01020	BORON, DISSOLVED (UG/L AS B)	04/01/64-07/27/81	17	4	
ARCH0024	No	01020	BORON, DISSOLVED (UG/L AS B)	10/19/67-10/19/67	0	1	
ARCH0026	No	01020	BORON, DISSOLVED (UG/L AS B)	03/07/68-03/07/68	0	1	
ARCH0031	No	01020	BORON, DISSOLVED (UG/L AS B)	08/30/77-08/30/77	0	1	
ARCH0034	No	01020	BORON, DISSOLVED (UG/L AS B)	01/28/75-02/23/77	2	6	
ARCH0036	No	01020	BORON, DISSOLVED (UG/L AS B)	07/15/77-04/09/81	3	24	
ARCH0039	No	01020	BORON, DISSOLVED (UG/L AS B)	05/25/76-09/26/78	2	8	
ARCH0042	No	01020	BORON, DISSOLVED (UG/L AS B)	01/28/75-11/08/79	4	11	
ARCH0043	No	01020	BORON, DISSOLVED (UG/L AS B)	09/19/64-09/19/64	0	1	
ARCH0069	No	01020	BORON, DISSOLVED (UG/L AS B)	06/06/78-06/29/81	3	2	
ARCH0070	No	01020	BORON, DISSOLVED (UG/L AS B)	10/19/67-10/19/67	0	1	
ARCH0081	No	01020	BORON, DISSOLVED (UG/L AS B)	01/28/75-06/09/81	6	37	
ARCH0082	No	01020	BORON, DISSOLVED (UG/L AS B)	02/22/78-09/26/78	0	7	
ARCH0085	No	01020	BORON, DISSOLVED (UG/L AS B)	08/29/77-03/13/78	0	2	
ARCH0086	No	01020	BORON, DISSOLVED (UG/L AS B)	03/14/78-01/27/81	2	18	
ARCH0103	No	01020	BORON, DISSOLVED (UG/L AS B)	08/22/77-08/22/77	0	1	
ARCH0106	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/15/70-09/15/70	0	1	
ARCH0117	No	01020	BORON, DISSOLVED (UG/L AS B)	08/29/77-01/27/81	3	17	
ARCH0118	No	01020	BORON, DISSOLVED (UG/L AS B)	06/21/77-10/23/78	1	8	
ARCH0126	No	01020	BORON, DISSOLVED (UG/L AS B)	07/12/77-10/22/80	3	17	
ARCH0133	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/15/70-09/15/70	0	1	
ARCH0142	No	01020	BORON, DISSOLVED (UG/L AS B)	07/05/77-07/05/77	0	1	
ARCH0145	No	01020	BORON, DISSOLVED (UG/L AS B)	07/05/77-12/13/79	2	11	
ARCH0162	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/16/70-09/16/70	0	1	
ARCH0172	No	01020	BORON, DISSOLVED (UG/L AS B)	06/21/77-08/21/78	1	4	
ARCH0176	No	01020	BORON, DISSOLVED (UG/L AS B)	02/19/76-04/07/81	5	60	
ARCH0177	No	01020	BORON, DISSOLVED (UG/L AS B)	10/01/28-05/22/96	67	738	
ARCH0178	No	01020	BORON, DISSOLVED (UG/L AS B)	10/28/76-12/23/81	5	27	
ARCH0047	No	01022	BORON, TOTAL (UG/L AS B)	10/05/89-10/16/89	0	2	
ARCH0048	No	01022	BORON, TOTAL (UG/L AS B)	08/21/88-10/16/89	1	7	
ARCH0049	No	01022	BORON, TOTAL (UG/L AS B)	07/28/88-09/25/88	0	2	
ARCH0050	No	01022	BORON, TOTAL (UG/L AS B)	07/28/88-10/16/89	1	7	
ARCH0051	No	01022	BORON, TOTAL (UG/L AS B)	07/28/88-10/16/89	1	8	
ARCH0052	No	01022	BORON, TOTAL (UG/L AS B)	07/28/88-07/28/88	0	1	
ARCH0053	No	01022	BORON, TOTAL (UG/L AS B)	10/05/89-10/16/89	0	2	
ARCH0054	No	01022	BORON, TOTAL (UG/L AS B)	07/28/88-10/16/89	1	8	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0055	No	01022	BORON, TOTAL (UG/L AS B)	10/05/89-10/16/89	0	2	
ARCH0056	No	01022	BORON, TOTAL (UG/L AS B)	08/21/88-10/16/89	1	6	
ARCH0059	No	01022	BORON, TOTAL (UG/L AS B)	08/15/89-10/16/89	0	2	
ARCH0060	No	01022	BORON, TOTAL (UG/L AS B)	09/15/88-10/16/89	1	4	
ARCH0061	No	01022	BORON, TOTAL (UG/L AS B)	08/15/89-10/16/89	0	2	
ARCH0062	No	01022	BORON, TOTAL (UG/L AS B)	09/15/88-10/16/89	1	3	
ARCH0064	No	01022	BORON, TOTAL (UG/L AS B)	09/13/89-10/16/89	0	3	
ARCH0065	No	01022	BORON, TOTAL (UG/L AS B)	09/15/88-10/16/89	1	3	
ARCH0066	No	01022	BORON, TOTAL (UG/L AS B)	09/15/88-10/16/89	1	3	
ARCH0067	No	01022	BORON, TOTAL (UG/L AS B)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01022	BORON, TOTAL (UG/L AS B)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	0	3	
ARCH0177	No	01022	BORON, TOTAL (UG/L AS B)	09/11/48-09/11/48	0	1	
ARCH0045	No	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	11/16/76-11/16/76	0	1	
ARCH0080	No	01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	11/16/76-11/16/76	0	1	
ARCH0002	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/11/93-08/05/99	5	4	
ARCH0006	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/29/81-04/29/81	0	1	
ARCH0009	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-10/06/76	1	5	
ARCH0010	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/30/95-07/30/95	0	1	
ARCH0012	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/30/95-07/30/95	0	1	
ARCH0014	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/06/78-06/06/78	0	1	
ARCH0015	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/12/95-12/02/99	4	9	
ARCH0020	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/06/95-12/06/95	0	1	
ARCH0022	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/06/78-06/06/78	0	1	
ARCH0023	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/06/95-12/06/95	0	1	
ARCH0028	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/29/99-12/21/99	0	2	
ARCH0030	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/31/97-05/06/98	0	4	
ARCH0034	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-04/29/93	18	4	
ARCH0035	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/24/95-12/13/99	4	12	
ARCH0036	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/10/77-03/15/78	0	2	
ARCH0039	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/25/76-05/25/76	0	1	
ARCH0042	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-03/31/76	1	3	
ARCH0043	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/23/69-06/23/69	0	1	
ARCH0045	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/72-01/17/77	4	33	
ARCH0046	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/15/95-02/18/98	2	11	
ARCH0068	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/06/95-12/06/95	0	1	
ARCH0069	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/06/78-06/06/78	0	1	
ARCH0073	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/11/95-02/18/98	2	12	
ARCH0080	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/72-01/17/77	4	36	
ARCH0081	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-01/21/99	23	32	
ARCH0085	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/13/78-03/13/78	0	1	
ARCH0086	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/93-12/08/99	6	14	
ARCH0111	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/93-08/23/99	5	12	
ARCH0116	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/31/97-05/07/98	0	4	
ARCH0117	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/16/79-01/27/81	2	15	
ARCH0126	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/29/97-11/28/99	2	8	
ARCH0142	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/05/77-07/05/77	0	1	
ARCH0145	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/13/78-12/13/79	1	8	
ARCH0150	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/31/97-05/07/98	0	4	
ARCH0155	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/93-11/28/99	6	14	
ARCH0174	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/04/99-12/07/99	0	4	
ARCH0176	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/19/76-02/15/79	2	2	
ARCH0177	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/22/74-05/22/96	21	61	
ARCH0178	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/28/76-12/08/99	23	35	
ARCH0177	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	10/22/74-02/19/80	5	12	
ARCH0014	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/15/81-02/06/90	8	5	
ARCH0017	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/10/84-02/06/90	5	3	
ARCH0022	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/30/81-02/06/90	8	5	
ARCH0045	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/77-09/20/79	2	5	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0046	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/11/95-02/13/97	1	5	
ARCH0047	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/05/89-10/16/89	0	2	
ARCH0048	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-10/16/89	1	7	
ARCH0049	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-09/25/88	0	2	
ARCH0050	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-10/16/89	1	7	
ARCH0051	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-10/16/89	1	8	
ARCH0052	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-07/28/88	0	1	
ARCH0053	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/05/89-10/16/89	0	2	
ARCH0054	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-10/16/89	1	8	
ARCH0055	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/05/89-10/16/89	0	2	
ARCH0056	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-10/16/89	1	6	
ARCH0059	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/89-10/16/89	0	2	
ARCH0060	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/88-10/16/89	1	4	
ARCH0061	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/89-10/16/89	0	2	
ARCH0062	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/88-10/16/89	1	3	
ARCH0064	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/13/89-10/16/89	0	3	
ARCH0065	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/88-10/16/89	1	3	
ARCH0066	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/88-10/16/89	1	3	
ARCH0067	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/89-08/15/89	0	1	
ARCH0069	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/29/81-02/06/90	8	3	
ARCH0074	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/27/77-01/27/77	0	1	
ARCH0080	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/77-09/20/79	2	4	
ARCH0081	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/29/95-02/13/97	1	4	
ARCH0091	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	0	3	
ARCH0177	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/22/74-08/25/82	7	21	
ARCH0048	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0002	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/05/99-08/05/99	0	1	
ARCH0006	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/29/81-04/29/81	0	1	
ARCH0007	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	0	1	
ARCH0008	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/24/78-06/24/78	0	1	
ARCH0010	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/04/94-07/30/95	1	2	
ARCH0011	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/27/78-06/27/78	0	1	
ARCH0012	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/30/95-07/30/95	0	1	
ARCH0014	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/78-06/06/78	0	1	
ARCH0015	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/12/95-12/02/99	4	9	
ARCH0018	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/27/78-06/27/78	0	1	
ARCH0020	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/06/95-12/06/95	0	1	
ARCH0022	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/78-06/06/78	0	1	
ARCH0023	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/06/95-12/06/95	0	1	
ARCH0025	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/24/78-06/24/78	0	1	
ARCH0028	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/29/99-12/21/99	0	2	
ARCH0029	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/01/78-07/01/78	0	1	
ARCH0030	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/31/97-05/06/98	0	4	
ARCH0032	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/27/78-06/27/78	0	1	
ARCH0034	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/29/93-04/29/93	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0035	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/24/95-12/13/99	4	12	
ARCH0036	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/15/78-03/15/78	0	1	
ARCH0037	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	0	1	
ARCH0039	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/25/76-05/25/76	0	1	
ARCH0040	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/25/78-06/25/78	0	1	
ARCH0041	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/23/78-06/23/78	0	1	
ARCH0042	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/15/77-06/15/77	0	1	
ARCH0044	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/25/78-06/25/78	0	1	
ARCH0045	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/28/72-01/17/77	4	34	
ARCH0046	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	11/15/95-02/18/98	2	11	
ARCH0057	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/01/78-07/01/78	0	1	
ARCH0058	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/25/78-06/25/78	0	1	
ARCH0068	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/06/95-12/06/95	0	1	
ARCH0069	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/78-06/06/78	0	1	
ARCH0071	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/23/78-06/23/78	0	1	
ARCH0072	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	0	1	
ARCH0073	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/11/95-02/18/98	2	12	
ARCH0079	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	0	1	
ARCH0080	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/28/72-01/17/77	4	37	
ARCH0081	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/19/77-01/21/99	21	31	
ARCH0084	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	0	1	
ARCH0085	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/13/78-03/13/78	0	1	
ARCH0086	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/93-12/08/99	6	14	
ARCH0102	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/22/78-06/22/78	0	1	
ARCH0104	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/22/78-06/22/78	0	1	
ARCH0105	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/22/78-06/22/78	0	1	
ARCH0111	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/93-08/23/99	5	12	
ARCH0114	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/21/78-06/21/78	0	1	
ARCH0116	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/31/97-05/07/98	0	4	
ARCH0117	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/16/79-01/27/81	2	15	
ARCH0126	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/29/97-11/28/99	2	8	
ARCH0141	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/26/78-06/26/78	0	1	
ARCH0142	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/05/77-07/05/77	0	1	
ARCH0145	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/13/78-12/13/79	1	8	
ARCH0147	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/21/78-06/21/78	0	1	
ARCH0150	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/31/97-05/07/98	0	4	
ARCH0152	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/93-11/28/99	6	14	
ARCH0171	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/08/78-07/08/78	0	1	
ARCH0173	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/05/78-07/05/78	0	1	
ARCH0174	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/04/99-12/07/99	0	4	
ARCH0176	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/19/78-02/15/79	1	2	
ARCH0177	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/22/74-05/22/96	21	61	
ARCH0178	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/24/77-12/08/99	22	36	
ARCH0183	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/02/78-07/02/78	0	1	
ARCH0177	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	10/22/74-02/22/82	7	18	
ARCH0005	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/80-04/29/80	0	1	
ARCH0006	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/27/78-04/29/81	3	3	
ARCH0009	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/28/75-03/17/77	2	7	
ARCH0010	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/30/77-03/30/77	0	1	
ARCH0014	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/06/78-02/06/90	11	6	
ARCH0015	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/27/78-04/29/81	3	2	
ARCH0017	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/10/84-02/06/90	5	3	
ARCH0022	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/06/78-02/06/90	11	6	
ARCH0034	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/28/75-07/20/76	1	3	
ARCH0036	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/18/77-04/09/81	3	15	
ARCH0042	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/28/75-11/08/79	4	11	
ARCH0069	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/06/78-02/06/90	11	4	
ARCH0081	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/28/75-06/09/81	6	26	
ARCH0085	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/13/78-03/13/78	0	1	
ARCH0086	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/14/78-01/27/81	2	17	
ARCH0117	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/16/79-01/27/81	2	15	
ARCH0118	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/21/77-10/17/77	0	4	
ARCH0126	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/13/78-10/22/80	2	16	
ARCH0145	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/13/78-12/13/79	1	8	
ARCH0172	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/21/77-02/14/78	0	2	
ARCH0176	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	02/19/76-04/07/81	5	51	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0178	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/28/76-12/23/81	5	21	
ARCH0010	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/12/94-07/12/94	0	1	
ARCH0012	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/04/94-07/12/94	0	2	
ARCH0014	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/15/81-02/06/90	8	5	
ARCH0017	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/10/84-02/06/90	5	3	
ARCH0022	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/30/81-02/06/90	8	5	
ARCH0045	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/77-09/20/79	2	5	
ARCH0046	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/11/95-02/13/97	1	5	
ARCH0047	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/05/89-10/16/89	0	2	
ARCH0048	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-10/16/89	1	7	
ARCH0049	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-09/25/88	0	2	
ARCH0050	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-10/16/89	1	7	
ARCH0051	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-10/16/89	1	8	
ARCH0052	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-07/28/88	0	1	
ARCH0053	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/05/89-10/16/89	0	2	
ARCH0054	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-10/16/89	1	8	
ARCH0055	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/05/89-10/16/89	0	2	
ARCH0056	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-10/16/89	1	6	
ARCH0059	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/89-10/16/89	0	2	
ARCH0060	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/88-10/16/89	1	4	
ARCH0061	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/89-10/16/89	0	2	
ARCH0062	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/88-10/16/89	1	3	
ARCH0064	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/13/89-10/16/89	0	3	
ARCH0065	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/88-10/16/89	1	3	
ARCH0066	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/88-10/16/89	1	3	
ARCH0067	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/89-08/15/89	0	1	
ARCH0069	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/29/81-02/06/90	8	3	
ARCH0074	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/76-03/18/76	0	1	
ARCH0080	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/77-09/20/79	2	4	
ARCH0081	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/29/95-02/13/97	1	4	
ARCH0091	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	0	3	
ARCH0177	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/22/74-08/25/82	7	21	
ARCH0007	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	0	1	
ARCH0008	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/24/78-06/24/78	0	1	
ARCH0011	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/27/78-06/27/78	0	1	
ARCH0018	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/27/78-06/27/78	0	1	
ARCH0025	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/24/78-06/24/78	0	1	
ARCH0029	No	01035	COBALT, DISSOLVED (UG/L AS CO)	07/01/78-07/01/78	0	1	
ARCH0032	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/27/78-06/27/78	0	1	
ARCH0037	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	0	1	
ARCH0039	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/22/80-09/17/80	0	7	
ARCH0040	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/25/78-06/25/78	0	1	
ARCH0041	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/23/78-06/23/78	0	1	
ARCH0044	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/25/78-06/25/78	0	1	
ARCH0057	No	01035	COBALT, DISSOLVED (UG/L AS CO)	07/01/78-07/01/78	0	1	
ARCH0058	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/25/78-06/25/78	0	1	
ARCH0071	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/23/78-06/23/78	0	1	
ARCH0072	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	0	1	
ARCH0079	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	0	1	
ARCH0084	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	0	1	
ARCH0102	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/22/78-06/22/78	0	1	
ARCH0104	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/22/78-06/22/78	0	1	
ARCH0105	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/22/78-06/22/78	0	1	
ARCH0114	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/21/78-06/21/78	0	1	
ARCH0141	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/26/78-06/26/78	0	1	
ARCH0147	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/21/78-06/21/78	0	1	
ARCH0152	No	01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	06/22/78-06/22/78	0	1	
ARCH0171	Yes	01035	COBALT, DISSOLVED (UG/L AS CO)	07/08/78-07/08/78	0	1	
ARCH0173	No	01035	COBALT, DISSOLVED (UG/L AS CO)	07/05/78-07/05/78	0	1	
ARCH0177	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/22/74-05/22/96	21	70	
ARCH0183	No	01035	COBALT, DISSOLVED (UG/L AS CO)	07/02/78-07/02/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0177	No	01036	COBALT, SUSPENDED (UG/L AS CO)	10/22/74-02/19/80	5	12	
ARCH0047	No	01037	COBALT, TOTAL (UG/L AS CO)	10/05/89-10/16/89	0	2	
ARCH0048	No	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-10/16/89	1	7	
ARCH0049	No	01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-09/25/88	0	2	
ARCH0050	No	01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-10/16/89	1	7	
ARCH0051	No	01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-10/16/89	1	8	
ARCH0052	No	01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-07/28/88	0	1	
ARCH0053	No	01037	COBALT, TOTAL (UG/L AS CO)	10/05/89-10/16/89	0	2	
ARCH0054	No	01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-10/16/89	1	8	
ARCH0055	No	01037	COBALT, TOTAL (UG/L AS CO)	10/05/89-10/16/89	0	2	
ARCH0056	No	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-10/16/89	1	6	
ARCH0059	No	01037	COBALT, TOTAL (UG/L AS CO)	08/15/89-10/16/89	0	2	
ARCH0060	No	01037	COBALT, TOTAL (UG/L AS CO)	09/15/88-10/16/89	1	4	
ARCH0061	No	01037	COBALT, TOTAL (UG/L AS CO)	08/15/89-10/16/89	0	2	
ARCH0062	No	01037	COBALT, TOTAL (UG/L AS CO)	09/15/88-10/16/89	1	3	
ARCH0064	No	01037	COBALT, TOTAL (UG/L AS CO)	09/13/89-10/16/89	0	3	
ARCH0065	No	01037	COBALT, TOTAL (UG/L AS CO)	09/15/88-10/16/89	1	3	
ARCH0066	No	01037	COBALT, TOTAL (UG/L AS CO)	09/15/88-10/16/89	1	3	
ARCH0067	No	01037	COBALT, TOTAL (UG/L AS CO)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01037	COBALT, TOTAL (UG/L AS CO)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	0	3	
ARCH0177	No	01037	COBALT, TOTAL (UG/L AS CO)	10/22/74-08/25/82	7	21	
ARCH0048	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0002	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/11/93-08/05/99	5	4	
ARCH0006	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/29/81-04/29/81	0	1	
ARCH0007	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	0	1	
ARCH0008	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/24/78-06/24/78	0	1	
ARCH0009	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/28/75-03/17/77	2	6	
ARCH0010	No	01040	COPPER, DISSOLVED (UG/L AS CU)	04/04/94-07/30/95	1	2	
ARCH0011	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/27/78-06/27/78	0	1	
ARCH0012	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/30/95-07/30/95	0	1	
ARCH0014	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/06/78-06/06/78	0	1	
ARCH0015	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/12/95-12/02/99	4	9	
ARCH0018	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/27/78-06/27/78	0	1	
ARCH0019	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/19/68-11/19/68	0	1	
ARCH0020	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/06/95-12/06/95	0	1	
ARCH0022	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/06/78-06/06/78	0	1	
ARCH0023	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/06/95-12/06/95	0	1	
ARCH0025	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/24/78-06/24/78	0	1	
ARCH0028	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/29/99-12/21/99	0	2	
ARCH0029	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/01/78-07/01/78	0	1	
ARCH0030	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/31/97-05/06/98	0	4	
ARCH0032	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/27/78-06/27/78	0	1	
ARCH0034	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/28/75-04/29/93	18	6	
ARCH0035	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/24/95-12/13/99	4	12	
ARCH0036	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/15/77-03/15/78	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0037	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	0	1	
ARCH0039	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/25/76-05/25/76	0	1	
ARCH0040	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/25/78-06/25/78	0	1	
ARCH0041	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/78-06/23/78	0	1	
ARCH0042	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/28/75-06/15/77	2	9	
ARCH0043	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/69-06/23/69	0	1	
ARCH0044	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/25/78-06/25/78	0	1	
ARCH0045	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/28/72-12/17/76	4	33	
ARCH0046	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/15/95-02/18/98	2	11	
ARCH0057	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/01/78-07/01/78	0	1	
ARCH0058	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/25/78-06/25/78	0	1	
ARCH0068	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/06/95-12/06/95	0	1	
ARCH0069	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/06/78-06/06/78	0	1	
ARCH0071	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/78-06/23/78	0	1	
ARCH0072	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	0	1	
ARCH0073	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/11/95-02/18/98	2	12	
ARCH0079	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	0	1	
ARCH0080	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/28/72-12/17/76	4	36	
ARCH0081	No	01040	COPPER, DISSOLVED (UG/L AS CU)	02/19/76-01/21/99	22	34	
ARCH0084	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	0	1	
ARCH0085	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/13/78-03/13/78	0	1	
ARCH0086	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/93-12/08/99	6	14	
ARCH0102	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/22/78-06/22/78	0	1	
ARCH0104	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/22/78-06/22/78	0	1	
ARCH0105	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/22/78-06/22/78	0	1	
ARCH0106	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	09/15/70-09/15/70	0	1	
ARCH0111	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/93-08/23/99	5	12	
ARCH0112	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	09/15/70-09/15/70	0	1	
ARCH0114	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/21/78-06/21/78	0	1	
ARCH0116	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/31/97-05/07/98	0	4	
ARCH0117	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/16/79-01/27/81	2	15	
ARCH0126	No	01040	COPPER, DISSOLVED (UG/L AS CU)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	08/29/97-11/28/99	2	8	
ARCH0133	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	09/15/70-09/15/70	0	1	
ARCH0141	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/26/78-06/26/78	0	1	
ARCH0142	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/05/77-07/05/77	0	1	
ARCH0145	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/05/77-12/13/79	2	9	
ARCH0147	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/21/78-06/21/78	0	1	
ARCH0150	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/31/97-05/07/98	0	4	
ARCH0152	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	12/01/97-04/28/99	1	6	
ARCH0162	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/93-11/28/99	6	14	
ARCH0171	Yes	01040	COPPER, DISSOLVED (UG/L AS CU)	07/08/78-07/08/78	0	1	
ARCH0173	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/05/78-07/05/78	0	1	
ARCH0174	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/04/99-12/07/99	0	4	
ARCH0176	No	01040	COPPER, DISSOLVED (UG/L AS CU)	02/19/76-02/15/79	2	4	
ARCH0177	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/22/74-05/22/96	21	61	
ARCH0178	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/28/76-12/08/99	23	42	
ARCH0183	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/02/78-07/02/78	0	1	
ARCH0177	No	01041	COPPER, SUSPENDED (UG/L AS CU)	10/22/74-08/25/82	7	20	
ARCH0010	No	01042	COPPER, TOTAL (UG/L AS CU)	07/12/94-07/12/94	0	1	
ARCH0012	No	01042	COPPER, TOTAL (UG/L AS CU)	04/04/94-07/12/94	0	2	
ARCH0014	No	01042	COPPER, TOTAL (UG/L AS CU)	04/15/81-02/06/90	8	5	
ARCH0017	No	01042	COPPER, TOTAL (UG/L AS CU)	12/10/84-02/06/90	5	3	
ARCH0022	No	01042	COPPER, TOTAL (UG/L AS CU)	06/30/81-02/06/90	8	5	
ARCH0039	No	01042	COPPER, TOTAL (UG/L AS CU)	02/26/74-03/26/74	0	2	
ARCH0045	No	01042	COPPER, TOTAL (UG/L AS CU)	01/17/77-09/20/79	2	6	
ARCH0046	No	01042	COPPER, TOTAL (UG/L AS CU)	05/11/95-02/13/97	1	5	
ARCH0047	No	01042	COPPER, TOTAL (UG/L AS CU)	10/05/89-10/16/89	0	2	
ARCH0048	No	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-10/16/89	1	7	
ARCH0049	No	01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-09/25/88	0	2	
ARCH0050	No	01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-10/16/89	1	7	
ARCH0051	No	01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-10/16/89	1	8	
ARCH0052	No	01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-07/28/88	0	1	
ARCH0053	No	01042	COPPER, TOTAL (UG/L AS CU)	10/05/89-10/16/89	0	2	
ARCH0054	No	01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-10/16/89	1	8	
ARCH0055	No	01042	COPPER, TOTAL (UG/L AS CU)	10/05/89-10/16/89	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0056	No	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-10/16/89	1	6	
ARCH0059	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/89-10/16/89	0	2	
ARCH0060	No	01042	COPPER, TOTAL (UG/L AS CU)	09/15/88-10/16/89	1	4	
ARCH0061	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/89-10/16/89	0	2	
ARCH0062	No	01042	COPPER, TOTAL (UG/L AS CU)	09/15/88-10/16/89	1	3	
ARCH0064	No	01042	COPPER, TOTAL (UG/L AS CU)	09/13/89-10/16/89	0	3	
ARCH0065	No	01042	COPPER, TOTAL (UG/L AS CU)	09/15/88-10/16/89	1	3	
ARCH0066	No	01042	COPPER, TOTAL (UG/L AS CU)	09/15/88-10/16/89	1	3	
ARCH0067	No	01042	COPPER, TOTAL (UG/L AS CU)	08/15/89-08/15/89	0	1	
ARCH0069	No	01042	COPPER, TOTAL (UG/L AS CU)	06/29/81-02/06/90	8	3	
ARCH0080	No	01042	COPPER, TOTAL (UG/L AS CU)	01/17/77-09/20/79	2	5	
ARCH0081	No	01042	COPPER, TOTAL (UG/L AS CU)	06/29/95-02/13/97	1	4	
ARCH0082	No	01042	COPPER, TOTAL (UG/L AS CU)	02/26/74-03/26/74	0	2	
ARCH0090	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/03/85-05/05/90	5	10	
ARCH0091	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01042	COPPER, TOTAL (UG/L AS CU)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	0	3	
ARCH0108	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/03/85-04/25/90	5	7	
ARCH0109	Yes	01042	COPPER, TOTAL (UG/L AS CU)	01/03/85-04/25/90	5	8	
ARCH0121	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/05/85-04/24/90	4	6	
ARCH0131	Yes	01042	COPPER, TOTAL (UG/L AS CU)	12/27/84-05/03/90	5	11	
ARCH0157	Yes	01042	COPPER, TOTAL (UG/L AS CU)	12/21/84-08/09/89	4	11	
ARCH0163	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/15/89-05/03/90	0	2	
ARCH0165	Yes	01042	COPPER, TOTAL (UG/L AS CU)	12/27/84-04/24/90	5	10	
ARCH0177	No	01042	COPPER, TOTAL (UG/L AS CU)	10/22/74-08/25/82	7	21	
ARCH0048	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0177	No	01044	IRON, SUSPENDED (UG/L AS FE)	10/27/78-08/25/82	3	8	
ARCH0039	No	01045	IRON, TOTAL (UG/L AS FE)	02/26/74-03/26/74	0	2	
ARCH0043	No	01045	IRON, TOTAL (UG/L AS FE)	06/23/69-06/23/69	0	1	
ARCH0045	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/77-09/20/79	2	5	
ARCH0047	No	01045	IRON, TOTAL (UG/L AS FE)	10/05/89-10/16/89	0	2	
ARCH0048	No	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-10/16/89	1	7	
ARCH0049	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/88-09/25/88	0	2	
ARCH0050	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/88-10/16/89	1	7	
ARCH0051	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/88-10/16/89	1	8	
ARCH0052	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/88-07/28/88	0	1	
ARCH0053	No	01045	IRON, TOTAL (UG/L AS FE)	10/05/89-10/16/89	0	2	
ARCH0054	No	01045	IRON, TOTAL (UG/L AS FE)	07/28/88-10/16/89	1	8	
ARCH0055	No	01045	IRON, TOTAL (UG/L AS FE)	10/05/89-10/16/89	0	2	
ARCH0056	No	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-10/16/89	1	6	
ARCH0059	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/89-10/16/89	0	2	
ARCH0060	No	01045	IRON, TOTAL (UG/L AS FE)	09/15/88-10/16/89	1	4	
ARCH0061	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/89-10/16/89	0	2	
ARCH0062	No	01045	IRON, TOTAL (UG/L AS FE)	09/15/88-10/16/89	1	3	
ARCH0064	No	01045	IRON, TOTAL (UG/L AS FE)	09/13/89-10/16/89	0	3	
ARCH0065	No	01045	IRON, TOTAL (UG/L AS FE)	09/15/88-10/16/89	1	3	
ARCH0066	No	01045	IRON, TOTAL (UG/L AS FE)	09/15/88-10/16/89	1	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0067	No	01045	IRON, TOTAL (UG/L AS FE)	08/15/89-08/15/89	0	1	
ARCH0074	No	01045	IRON, TOTAL (UG/L AS FE)	01/27/77-01/27/77	0	1	
ARCH0080	No	01045	IRON, TOTAL (UG/L AS FE)	04/29/77-09/20/79	2	4	
ARCH0082	No	01045	IRON, TOTAL (UG/L AS FE)	02/26/74-03/26/74	0	2	
ARCH0090	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/27/84-05/05/90	5	11	
ARCH0091	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	0	3	
ARCH0108	Yes	01045	IRON, TOTAL (UG/L AS FE)	01/03/85-04/25/90	5	7	
ARCH0109	Yes	01045	IRON, TOTAL (UG/L AS FE)	01/03/85-04/25/90	5	9	
ARCH0121	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/05/85-08/09/89	4	5	
ARCH0131	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/27/84-05/03/90	5	11	
ARCH0133	Yes	01045	IRON, TOTAL (UG/L AS FE)	09/15/70-09/15/70	0	1	
ARCH0157	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/21/84-04/24/90	5	12	
ARCH0163	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/15/89-05/03/90	0	2	
ARCH0165	Yes	01045	IRON, TOTAL (UG/L AS FE)	12/27/84-08/09/89	4	10	
ARCH0177	No	01045	IRON, TOTAL (UG/L AS FE)	09/11/48-08/25/82	33	35	
ARCH0002	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/05/99-08/05/99	0	1	
ARCH0006	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/27/78-03/27/78	0	1	
ARCH0007	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	0	1	
ARCH0008	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/24/78-06/24/78	0	1	
ARCH0009	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/07/75-03/17/77	1	6	
ARCH0010	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/04/94-07/30/95	1	2	
ARCH0011	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/27/78-06/27/78	0	1	
ARCH0012	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/30/95-07/30/95	0	1	
ARCH0013	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/85-08/15/85	0	1	
ARCH0014	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/06/78-06/06/78	0	1	
ARCH0015	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/27/78-12/02/99	21	10	
ARCH0016	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/85-08/16/85	0	1	
ARCH0018	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/27/78-06/27/78	0	1	
ARCH0020	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/06/95-12/06/95	0	1	
ARCH0021	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/16/85-08/16/85	0	1	
ARCH0022	No	01046	IRON, DISSOLVED (UG/L AS FE)	04/01/64-06/06/78	14	2	
ARCH0023	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/06/95-12/06/95	0	1	
ARCH0024	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/19/67-10/19/67	0	1	
ARCH0025	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/24/78-06/24/78	0	1	
ARCH0026	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/07/68-03/07/68	0	1	
ARCH0028	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/29/99-12/21/99	0	2	
ARCH0029	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/01/78-07/01/78	0	1	
ARCH0030	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/31/97-05/06/98	0	4	
ARCH0032	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/27/78-06/27/78	0	1	
ARCH0034	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/75-04/29/93	17	6	
ARCH0035	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/24/95-12/13/99	4	12	
ARCH0036	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/15/77-03/15/78	0	4	
ARCH0037	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	0	1	
ARCH0039	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/25/76-05/25/76	0	1	
ARCH0040	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/25/78-06/25/78	0	1	
ARCH0041	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/23/78-06/23/78	0	1	
ARCH0042	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/28/75-06/15/77	2	8	
ARCH0044	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/25/78-06/25/78	0	1	
ARCH0045	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/72-01/17/77	4	34	
ARCH0046	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/15/95-02/18/98	2	11	
ARCH0057	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/01/78-07/01/78	0	1	
ARCH0058	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/25/78-06/25/78	0	1	
ARCH0068	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/06/95-12/06/95	0	1	
ARCH0069	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/06/78-06/06/78	0	1	
ARCH0070	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/19/67-08/15/85	17	2	
ARCH0071	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/23/78-06/23/78	0	1	
ARCH0072	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	0	1	
ARCH0073	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/11/95-02/18/98	2	12	
ARCH0077	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/17/85-08/17/85	0	1	
ARCH0079	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	0	1	
ARCH0080	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/72-01/17/77	4	37	
ARCH0081	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/07/75-01/21/99	23	37	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0084	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	0	1	
ARCH0085	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/13/78-03/13/78	0	1	
ARCH0086	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/14/78-12/13/99	21	20	
ARCH0089	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/01/93-12/08/99	6	14	
ARCH0102	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/22/78-06/22/78	0	1	
ARCH0104	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/22/78-06/22/78	0	1	
ARCH0105	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/22/78-06/22/78	0	1	
ARCH0106	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/15/70-09/15/70	0	1	
ARCH0111	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/01/93-08/23/99	5	12	
ARCH0112	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/15/70-09/15/70	0	1	
ARCH0114	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/21/78-06/21/78	0	1	
ARCH0116	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/31/97-05/07/98	0	4	
ARCH0117	No	01046	IRON, DISSOLVED (UG/L AS FE)	01/16/79-01/27/81	2	13	
ARCH0118	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/23/77-10/17/77	0	3	
ARCH0126	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/13/78-10/22/80	2	15	
ARCH0130	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/29/97-11/28/99	2	8	
ARCH0134	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	0	1	
ARCH0135	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/18/79-07/18/79	0	1	
ARCH0136	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/06/80-10/08/81	1	13	
ARCH0137	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/22/79-09/27/79	0	7	
ARCH0141	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/26/78-06/26/78	0	1	
ARCH0142	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/05/77-07/05/77	0	1	
ARCH0143	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	0	1	
ARCH0145	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/05/77-12/13/79	2	9	
ARCH0146	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	0	1	
ARCH0147	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/21/78-06/21/78	0	1	
ARCH0148	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	0	1	
ARCH0149	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/21/79-08/14/79	0	4	
ARCH0150	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/31/97-05/07/98	0	4	
ARCH0151	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/26/85-11/26/85	0	1	
ARCH0152	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	0	1	
ARCH0153	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	0	1	
ARCH0154	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	02/18/99-11/28/99	0	4	
ARCH0156	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	12/01/97-04/28/99	1	6	
ARCH0162	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/01/93-11/28/99	6	14	
ARCH0171	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/08/78-07/08/78	0	1	
ARCH0173	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/05/78-07/05/78	0	1	
ARCH0174	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/04/99-12/07/99	0	4	
ARCH0175	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/10/85-06/10/85	0	1	
ARCH0176	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/20/76-02/15/79	2	6	
ARCH0177	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/17/70-05/22/96	25	71	
ARCH0178	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/28/76-12/08/99	23	43	
ARCH0180	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/23/85-11/23/85	0	1	
ARCH0181	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/25/33-10/25/33	0	1	
ARCH0182	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/13/85-12/13/85	0	1	
ARCH0183	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/02/78-07/02/78	0	1	
ARCH0002	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/11/93-08/05/99	5	4	
ARCH0006	No	01049	LEAD, DISSOLVED (UG/L AS PB)	04/29/81-04/29/81	0	1	
ARCH0007	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	0	1	
ARCH0008	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/24/78-06/24/78	0	1	
ARCH0009	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-03/31/76	1	3	
ARCH0010	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/30/95-07/30/95	0	1	
ARCH0011	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/27/78-06/27/78	0	1	
ARCH0012	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/30/95-07/30/95	0	1	
ARCH0014	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/06/78-06/06/78	0	1	
ARCH0015	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/12/95-12/02/99	4	9	
ARCH0018	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/27/78-06/27/78	0	1	
ARCH0020	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/06/95-12/06/95	0	1	
ARCH0022	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/06/78-06/06/78	0	1	
ARCH0023	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/06/95-12/06/95	0	1	
ARCH0025	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/24/78-06/24/78	0	1	
ARCH0028	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/29/99-12/21/99	0	2	
ARCH0029	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/01/78-07/01/78	0	1	
ARCH0030	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/31/97-05/06/98	0	4	
ARCH0032	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/27/78-06/27/78	0	1	
ARCH0034	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-04/29/93	18	4	
ARCH0035	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/24/95-12/13/99	4	12	
ARCH0036	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/15/78-03/15/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0037	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	0	1	
ARCH0039	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/25/76-05/25/76	0	1	
ARCH0040	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/25/78-06/25/78	0	1	
ARCH0041	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/78-06/23/78	0	1	
ARCH0042	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-03/31/76	1	3	
ARCH0043	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/69-06/23/69	0	1	
ARCH0044	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/25/78-06/25/78	0	1	
ARCH0045	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/28/72-01/17/77	4	34	
ARCH0046	No	01049	LEAD, DISSOLVED (UG/L AS PB)	11/15/95-02/18/98	2	11	
ARCH0057	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/01/78-07/01/78	0	1	
ARCH0058	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/25/78-06/25/78	0	1	
ARCH0068	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/06/95-12/06/95	0	1	
ARCH0069	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/06/78-06/06/78	0	1	
ARCH0071	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/78-06/23/78	0	1	
ARCH0072	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	0	1	
ARCH0073	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/11/95-02/18/98	2	12	
ARCH0079	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	0	1	
ARCH0080	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/28/72-01/17/77	4	37	
ARCH0081	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-01/21/99	23	31	
ARCH0084	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	0	1	
ARCH0085	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/13/78-03/13/78	0	1	
ARCH0086	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/93-12/08/99	6	14	
ARCH0102	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/22/78-06/22/78	0	1	
ARCH0104	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/22/78-06/22/78	0	1	
ARCH0105	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/22/78-06/22/78	0	1	
ARCH0111	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/93-08/23/99	5	12	
ARCH0114	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/21/78-06/21/78	0	1	
ARCH0116	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/31/97-05/07/98	0	4	
ARCH0117	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/16/79-01/27/81	2	15	
ARCH0126	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	08/29/97-11/28/99	2	8	
ARCH0141	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/26/78-06/26/78	0	1	
ARCH0142	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/05/77-07/05/77	0	1	
ARCH0145	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/13/78-12/13/79	1	8	
ARCH0147	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/21/78-06/21/78	0	1	
ARCH0150	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/31/97-05/07/98	0	4	
ARCH0152	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/93-11/28/99	6	14	
ARCH0171	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	07/08/78-07/08/78	0	1	
ARCH0173	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/05/78-07/05/78	0	1	
ARCH0174	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/04/99-12/07/99	0	4	
ARCH0176	No	01049	LEAD, DISSOLVED (UG/L AS PB)	02/19/76-02/15/79	2	2	
ARCH0177	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/22/74-05/22/96	21	61	
ARCH0178	No	01049	LEAD, DISSOLVED (UG/L AS PB)	01/13/77-12/08/99	22	36	
ARCH0183	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/02/78-07/02/78	0	1	
ARCH0177	No	01050	LEAD, SUSPENDED (UG/L AS PB)	10/22/74-10/28/81	7	17	
ARCH0014	No	01051	LEAD, TOTAL (UG/L AS PB)	04/15/81-02/06/90	8	5	
ARCH0017	No	01051	LEAD, TOTAL (UG/L AS PB)	12/10/84-02/06/90	5	3	
ARCH0022	No	01051	LEAD, TOTAL (UG/L AS PB)	06/30/81-02/06/90	8	5	
ARCH0039	No	01051	LEAD, TOTAL (UG/L AS PB)	02/26/74-03/26/74	0	2	
ARCH0045	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/77-09/20/79	2	5	
ARCH0046	No	01051	LEAD, TOTAL (UG/L AS PB)	05/11/95-02/13/97	1	5	
ARCH0047	No	01051	LEAD, TOTAL (UG/L AS PB)	10/05/89-10/16/89	0	2	
ARCH0048	No	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-10/16/89	1	7	
ARCH0049	No	01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-09/25/88	0	2	
ARCH0050	No	01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-10/16/89	1	7	
ARCH0051	No	01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-10/16/89	1	8	
ARCH0052	No	01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-07/28/88	0	1	
ARCH0053	No	01051	LEAD, TOTAL (UG/L AS PB)	10/05/89-10/16/89	0	2	
ARCH0054	No	01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-10/16/89	1	8	
ARCH0055	No	01051	LEAD, TOTAL (UG/L AS PB)	10/05/89-10/16/89	0	2	
ARCH0056	No	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-10/16/89	1	6	
ARCH0059	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/89-10/16/89	0	2	
ARCH0060	No	01051	LEAD, TOTAL (UG/L AS PB)	09/15/88-10/16/89	1	4	
ARCH0061	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/89-10/16/89	0	2	
ARCH0062	No	01051	LEAD, TOTAL (UG/L AS PB)	09/15/88-10/16/89	1	3	
ARCH0064	No	01051	LEAD, TOTAL (UG/L AS PB)	09/13/89-10/16/89	0	3	
ARCH0065	No	01051	LEAD, TOTAL (UG/L AS PB)	09/15/88-10/16/89	1	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0066	No	01051	LEAD, TOTAL (UG/L AS PB)	09/15/88-10/16/89	1	3	
ARCH0067	No	01051	LEAD, TOTAL (UG/L AS PB)	08/15/89-08/15/89	0	1	
ARCH0069	No	01051	LEAD, TOTAL (UG/L AS PB)	06/29/81-02/06/90	8	3	
ARCH0074	No	01051	LEAD, TOTAL (UG/L AS PB)	01/27/77-01/27/77	0	1	
ARCH0080	No	01051	LEAD, TOTAL (UG/L AS PB)	04/29/77-09/20/79	2	4	
ARCH0081	No	01051	LEAD, TOTAL (UG/L AS PB)	06/29/95-02/13/97	1	4	
ARCH0082	No	01051	LEAD, TOTAL (UG/L AS PB)	02/26/74-03/26/74	0	2	
ARCH0091	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01051	LEAD, TOTAL (UG/L AS PB)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	0	3	
ARCH0177	No	01051	LEAD, TOTAL (UG/L AS PB)	10/22/74-08/25/82	7	21	
ARCH0048	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0177	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/22/74-04/20/82	7	20	
ARCH0010	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/94-07/12/94	0	1	
ARCH0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/04/94-07/12/94	0	2	
ARCH0014	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/15/81-02/06/90	8	5	
ARCH0017	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/10/84-02/06/90	5	3	
ARCH0022	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/81-02/06/90	8	5	
ARCH0039	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/26/74-03/26/74	0	2	
ARCH0043	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/69-06/23/69	0	1	
ARCH0045	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/77-09/20/79	2	5	
ARCH0046	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/11/95-02/13/97	1	5	
ARCH0047	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/89-10/16/89	0	2	
ARCH0048	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	1	7	
ARCH0049	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/25/88-09/25/88	0	1	
ARCH0050	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	1	6	
ARCH0051	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	1	7	
ARCH0052	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/88-07/28/88	0	1	
ARCH0053	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/89-10/16/89	0	2	
ARCH0054	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	1	7	
ARCH0055	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/89-10/16/89	0	2	
ARCH0056	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	1	6	
ARCH0059	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/89-10/16/89	0	2	
ARCH0060	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/15/88-10/16/89	1	4	
ARCH0061	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/89-10/16/89	0	2	
ARCH0062	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/15/88-10/16/89	1	3	
ARCH0064	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/13/89-10/16/89	0	3	
ARCH0065	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/15/88-10/16/89	1	3	
ARCH0066	No	01055	MANGANESE, TOTAL (UG/L AS MN)	09/15/88-10/16/89	1	3	
ARCH0067	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/89-08/15/89	0	1	
ARCH0069	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/81-02/06/90	8	3	
ARCH0074	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/27/77-01/27/77	0	1	
ARCH0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/77-09/20/79	2	4	
ARCH0081	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/95-02/13/97	1	4	
ARCH0082	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/26/74-03/26/74	0	2	
ARCH0090	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	12/27/84-05/05/90	5	12	
ARCH0091	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-09/22/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0092	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	0	3	
ARCH0108	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	01/03/85-04/25/90	5	7	
ARCH0109	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	01/03/85-04/25/90	5	6	
ARCH0121	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/05/85-08/09/89	4	5	
ARCH0131	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/85-05/03/90	5	9	
ARCH0157	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/84-08/09/89	4	10	
ARCH0163	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/15/89-05/03/90	0	2	
ARCH0165	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	12/27/84-08/09/89	4	9	
ARCH0177	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/22/74-08/25/82	7	21	
ARCH0002	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/99-08/05/99	0	1	
ARCH0006	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/29/81-04/29/81	0	1	
ARCH0007	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	0	1	
ARCH0008	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/78-06/24/78	0	1	
ARCH0009	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/28/75-03/17/77	2	4	
ARCH0010	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/04/94-07/30/95	1	2	
ARCH0011	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/78-06/27/78	0	1	
ARCH0012	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/30/95-07/30/95	0	1	
ARCH0014	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/78-06/06/78	0	1	
ARCH0015	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/12/95-12/02/99	4	9	
ARCH0018	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/78-06/27/78	0	1	
ARCH0020	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/06/95-12/06/95	0	1	
ARCH0022	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/78-06/06/78	0	1	
ARCH0023	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/06/95-12/06/95	0	1	
ARCH0025	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/78-06/24/78	0	1	
ARCH0028	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/99-12/21/99	0	2	
ARCH0029	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/01/78-07/01/78	0	1	
ARCH0030	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/97-05/06/98	0	4	
ARCH0032	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/78-06/27/78	0	1	
ARCH0034	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/31/76-04/29/93	17	4	
ARCH0035	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/95-12/13/99	4	12	
ARCH0036	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/77-03/15/78	0	4	
ARCH0037	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	0	1	
ARCH0039	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/76-05/25/76	0	1	
ARCH0040	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/25/78-06/25/78	0	1	
ARCH0041	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/78-06/23/78	0	1	
ARCH0042	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/28/75-06/15/77	2	8	
ARCH0044	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/25/78-06/25/78	0	1	
ARCH0045	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/72-01/17/77	4	34	
ARCH0046	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/15/95-02/18/98	2	11	
ARCH0057	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/01/78-07/01/78	0	1	
ARCH0058	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/25/78-06/25/78	0	1	
ARCH0068	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/06/95-12/06/95	0	1	
ARCH0069	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/78-06/06/78	0	1	
ARCH0071	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/78-06/23/78	0	1	
ARCH0072	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	0	1	
ARCH0073	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/11/95-02/18/98	2	12	
ARCH0079	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	0	1	
ARCH0080	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/72-01/17/77	4	37	
ARCH0081	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/17/77-01/21/99	21	31	
ARCH0084	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	0	1	
ARCH0085	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/13/78-03/13/78	0	1	
ARCH0086	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/93-12/08/99	6	14	
ARCH0102	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/78-06/22/78	0	1	
ARCH0104	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/78-06/22/78	0	1	
ARCH0105	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/78-06/22/78	0	1	
ARCH0111	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/93-08/23/99	5	12	
ARCH0114	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/21/78-06/21/78	0	1	
ARCH0116	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/97-05/07/98	0	4	
ARCH0117	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/16/79-01/27/81	2	14	
ARCH0126	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/29/97-11/28/99	2	8	
ARCH0134	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0135	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/18/79-07/18/79	0	1	
ARCH0136	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/06/80-10/08/81	1	13	
ARCH0137	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/22/79-09/27/79	0	7	
ARCH0141	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/26/78-06/26/78	0	1	
ARCH0142	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/05/77-07/05/77	0	1	
ARCH0143	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	0	1	
ARCH0145	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/05/77-12/13/79	2	9	
ARCH0146	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	0	1	
ARCH0147	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/21/78-06/21/78	0	1	
ARCH0148	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	0	1	
ARCH0149	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/79-08/14/79	0	4	
ARCH0150	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/97-05/07/98	0	4	
ARCH0152	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	0	1	
ARCH0153	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	0	1	
ARCH0154	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/18/99-11/28/99	0	4	
ARCH0156	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	0	1	
ARCH0161	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/93-11/28/99	6	14	
ARCH0171	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/08/78-07/08/78	0	1	
ARCH0173	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/05/78-07/05/78	0	1	
ARCH0174	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/04/99-12/07/99	0	4	
ARCH0176	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/15/79-02/15/79	0	1	
ARCH0177	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/17/70-05/22/96	25	72	
ARCH0178	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/24/77-12/08/99	22	40	
ARCH0183	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/02/78-07/02/78	0	1	
ARCH0046	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	12/07/95-02/18/98	2	9	
ARCH0073	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	12/07/95-02/18/98	2	9	
ARCH0081	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	12/07/95-02/18/98	2	9	
ARCH0046	No	01059	THALLIUM, TOTAL (UG/L AS TL)	09/21/95-02/13/97	1	2	
ARCH0073	No	01059	THALLIUM, TOTAL (UG/L AS TL)	09/21/95-09/21/95	0	1	
ARCH0081	No	01059	THALLIUM, TOTAL (UG/L AS TL)	09/21/95-02/13/97	1	2	
ARCH0007	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	0	1	
ARCH0008	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/24/78-06/24/78	0	1	
ARCH0011	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/27/78-06/27/78	0	1	
ARCH0018	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/27/78-06/27/78	0	1	
ARCH0025	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/24/78-06/24/78	0	1	
ARCH0029	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/01/78-07/01/78	0	1	
ARCH0032	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/27/78-06/27/78	0	1	
ARCH0037	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	0	1	
ARCH0040	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/25/78-06/25/78	0	1	
ARCH0041	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/23/78-06/23/78	0	1	
ARCH0044	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/25/78-06/25/78	0	1	
ARCH0046	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/07/95-02/18/98	2	9	
ARCH0057	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/01/78-07/01/78	0	1	
ARCH0058	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/25/78-06/25/78	0	1	
ARCH0071	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/23/78-06/23/78	0	1	
ARCH0072	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	0	1	
ARCH0073	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/07/95-02/18/98	2	9	
ARCH0079	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	0	1	
ARCH0081	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/07/95-02/18/98	2	9	
ARCH0084	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	0	1	
ARCH0102	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/22/78-06/22/78	0	1	
ARCH0104	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/22/78-06/22/78	0	1	
ARCH0105	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/22/78-06/22/78	0	1	
ARCH0114	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/21/78-06/21/78	0	1	
ARCH0141	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/26/78-06/26/78	0	1	
ARCH0147	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/21/78-06/21/78	0	1	
ARCH0152	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/22/78-06/22/78	0	1	
ARCH0171	Yes	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/08/78-07/08/78	0	1	
ARCH0173	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/05/78-07/05/78	0	1	
ARCH0177	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/21/82-05/22/96	13	49	
ARCH0183	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/02/78-07/02/78	0	1	
ARCH0046	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/21/95-02/13/97	1	2	
ARCH0047	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/05/89-10/16/89	0	2	
ARCH0048	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-10/16/89	1	7	
ARCH0049	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-09/25/88	0	2	
ARCH0050	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-10/16/89	1	7	
ARCH0051	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-10/16/89	1	8	
ARCH0052	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-07/28/88	0	1	
ARCH0053	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/05/89-10/16/89	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0054	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-10/16/89	1	8	
ARCH0055	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/05/89-10/16/89	0	2	
ARCH0056	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-10/16/89	1	6	
ARCH0059	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/15/89-10/16/89	0	2	
ARCH0060	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/15/88-10/16/89	1	4	
ARCH0061	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/15/89-10/16/89	0	2	
ARCH0062	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/15/88-10/16/89	1	3	
ARCH0064	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/13/89-10/16/89	0	3	
ARCH0065	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/15/88-10/16/89	1	3	
ARCH0066	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/15/88-10/16/89	1	3	
ARCH0067	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/15/89-08/15/89	0	1	
ARCH0073	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/21/95-09/21/95	0	1	
ARCH0081	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/21/95-02/13/97	1	2	
ARCH0091	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	0	3	
ARCH0048	No	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0006	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	04/29/81-04/29/81	0	1	
ARCH0007	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	0	1	
ARCH0008	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/24/78-06/24/78	0	1	
ARCH0009	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-10/06/76	1	5	
ARCH0010	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	04/04/94-04/04/94	0	1	
ARCH0011	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/27/78-06/27/78	0	1	
ARCH0014	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/78-06/06/78	0	1	
ARCH0018	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/27/78-06/27/78	0	1	
ARCH0022	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/78-06/06/78	0	1	
ARCH0025	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/24/78-06/24/78	0	1	
ARCH0029	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/01/78-07/01/78	0	1	
ARCH0032	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/27/78-06/27/78	0	1	
ARCH0034	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-10/06/76	1	5	
ARCH0036	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/15/78-03/15/78	0	1	
ARCH0037	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	0	1	
ARCH0039	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/25/76-05/25/76	0	1	
ARCH0040	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/25/78-06/25/78	0	1	
ARCH0041	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/23/78-06/23/78	0	1	
ARCH0042	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-06/15/76	1	4	
ARCH0043	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/23/69-06/23/69	0	1	
ARCH0044	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/25/78-06/25/78	0	1	
ARCH0046	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	12/07/95-02/18/98	2	10	
ARCH0057	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/01/78-07/01/78	0	1	
ARCH0058	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/25/78-06/25/78	0	1	
ARCH0069	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/78-06/06/78	0	1	
ARCH0071	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/23/78-06/23/78	0	1	
ARCH0072	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	0	1	
ARCH0073	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	12/07/95-02/18/98	2	10	
ARCH0079	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	0	1	
ARCH0081	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-02/18/98	23	18	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0084	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	0	1	
ARCH0085	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/13/78-03/13/78	0	1	
ARCH0086	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/10/80-01/27/81	1	8	
ARCH0102	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/22/78-06/22/78	0	1	
ARCH0104	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/22/78-06/22/78	0	1	
ARCH0105	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/22/78-06/22/78	0	1	
ARCH0114	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/21/78-06/21/78	0	1	
ARCH0117	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/16/79-01/27/81	2	15	
ARCH0126	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/16/79-10/22/80	1	15	
ARCH0141	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/26/78-06/26/78	0	1	
ARCH0145	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/13/78-12/13/79	1	8	
ARCH0147	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/21/78-06/21/78	0	1	
ARCH0152	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	06/22/78-06/22/78	0	1	
ARCH0171	Yes	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/08/78-07/08/78	0	1	
ARCH0173	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/05/78-07/05/78	0	1	
ARCH0176	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	02/19/76-02/15/79	2	3	
ARCH0177	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/15/79-05/22/96	16	59	
ARCH0178	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	04/14/77-10/14/77	0	3	
ARCH0183	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/02/78-07/02/78	0	1	
ARCH0177	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	11/15/79-02/22/82	2	8	
ARCH0010	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/12/94-07/12/94	0	1	
ARCH0012	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/04/94-07/12/94	0	2	
ARCH0014	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/15/81-06/29/81	0	2	
ARCH0022	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/30/81-07/27/81	0	2	
ARCH0039	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/15/79-09/22/81	1	22	
ARCH0046	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/21/95-02/13/97	1	2	
ARCH0047	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/05/89-10/16/89	0	2	
ARCH0048	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-10/16/89	1	7	
ARCH0049	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-09/25/88	0	2	
ARCH0050	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-10/16/89	1	7	
ARCH0051	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-10/16/89	1	8	
ARCH0052	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-07/28/88	0	1	
ARCH0053	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/05/89-10/16/89	0	2	
ARCH0054	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-10/16/89	1	8	
ARCH0055	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/05/89-10/16/89	0	2	
ARCH0056	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-10/16/89	1	6	
ARCH0059	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/89-10/16/89	0	2	
ARCH0060	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/15/88-10/16/89	1	4	
ARCH0061	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/89-10/16/89	0	2	
ARCH0062	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/15/88-10/16/89	1	3	
ARCH0064	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/13/89-10/16/89	0	3	
ARCH0065	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/15/88-10/16/89	1	3	
ARCH0066	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/15/88-10/16/89	1	3	
ARCH0067	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/15/89-08/15/89	0	1	
ARCH0069	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/29/81-06/29/81	0	1	
ARCH0073	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/21/95-09/21/95	0	1	
ARCH0074	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/27/77-01/27/77	0	1	
ARCH0081	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/21/95-02/13/97	1	2	
ARCH0091	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	0	3	
ARCH0177	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/15/79-08/25/82	2	10	
ARCH0002	No	01075	SILVER, DISSOLVED (UG/L AS AG)	08/05/99-08/05/99	0	1	
ARCH0006	No	01075	SILVER, DISSOLVED (UG/L AS AG)	04/29/81-04/29/81	0	1	
ARCH0009	No	01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-03/17/77	2	4	
ARCH0010	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/30/95-07/30/95	0	1	
ARCH0012	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/30/95-07/30/95	0	1	
ARCH0014	No	01075	SILVER, DISSOLVED (UG/L AS AG)	06/06/78-06/06/78	0	1	
ARCH0015	No	01075	SILVER, DISSOLVED (UG/L AS AG)	05/12/95-12/02/99	4	9	
ARCH0020	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/06/95-12/06/95	0	1	
ARCH0022	No	01075	SILVER, DISSOLVED (UG/L AS AG)	06/06/78-06/06/78	0	1	
ARCH0023	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/06/95-12/06/95	0	1	
ARCH0028	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/29/99-12/21/99	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0030	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/31/97-05/06/98	0	4	
ARCH0034	No	01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-04/29/93	18	3	
ARCH0035	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/24/95-12/13/99	4	12	
ARCH0036	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/15/77-03/15/78	0	3	
ARCH0039	No	01075	SILVER, DISSOLVED (UG/L AS AG)	11/15/77-11/15/77	0	1	
ARCH0042	No	01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-06/15/77	2	2	
ARCH0046	No	01075	SILVER, DISSOLVED (UG/L AS AG)	11/15/95-02/18/98	2	11	
ARCH0068	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/06/95-12/06/95	0	1	
ARCH0069	No	01075	SILVER, DISSOLVED (UG/L AS AG)	06/06/78-06/06/78	0	1	
ARCH0073	No	01075	SILVER, DISSOLVED (UG/L AS AG)	05/11/95-02/18/98	2	12	
ARCH0081	No	01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-01/21/99	23	30	
ARCH0085	No	01075	SILVER, DISSOLVED (UG/L AS AG)	03/13/78-03/13/78	0	1	
ARCH0086	No	01075	SILVER, DISSOLVED (UG/L AS AG)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	10/01/93-12/08/99	6	14	
ARCH0111	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	10/01/93-08/23/99	5	12	
ARCH0116	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/31/97-05/07/98	0	4	
ARCH0117	No	01075	SILVER, DISSOLVED (UG/L AS AG)	01/16/79-01/27/81	2	15	
ARCH0126	No	01075	SILVER, DISSOLVED (UG/L AS AG)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	08/29/97-11/28/99	2	8	
ARCH0145	No	01075	SILVER, DISSOLVED (UG/L AS AG)	03/13/78-12/13/79	1	8	
ARCH0150	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/31/97-05/07/98	0	4	
ARCH0155	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	10/01/93-11/28/99	6	14	
ARCH0174	No	01075	SILVER, DISSOLVED (UG/L AS AG)	03/04/99-12/07/99	0	4	
ARCH0176	No	01075	SILVER, DISSOLVED (UG/L AS AG)	02/15/79-02/15/79	0	1	
ARCH0177	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/20/77-05/22/96	18	65	
ARCH0178	No	01075	SILVER, DISSOLVED (UG/L AS AG)	04/14/77-12/08/99	22	37	
ARCH0177	No	01076	SILVER, SUSPENDED (UG/L AS AG)	10/20/77-08/24/81	3	12	
ARCH0014	No	01077	SILVER, TOTAL (UG/L AS AG)	04/15/81-02/06/90	8	4	
ARCH0017	No	01077	SILVER, TOTAL (UG/L AS AG)	12/10/84-02/06/90	5	3	
ARCH0022	No	01077	SILVER, TOTAL (UG/L AS AG)	06/30/81-02/06/90	8	5	
ARCH0039	No	01077	SILVER, TOTAL (UG/L AS AG)	11/15/79-09/22/81	1	22	
ARCH0046	No	01077	SILVER, TOTAL (UG/L AS AG)	05/11/95-02/13/97	1	5	
ARCH0047	No	01077	SILVER, TOTAL (UG/L AS AG)	10/05/89-10/16/89	0	2	
ARCH0048	No	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-10/16/89	1	7	
ARCH0049	No	01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-09/25/88	0	2	
ARCH0050	No	01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-10/16/89	1	7	
ARCH0051	No	01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-10/16/89	1	8	
ARCH0052	No	01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-07/28/88	0	1	
ARCH0053	No	01077	SILVER, TOTAL (UG/L AS AG)	10/05/89-10/16/89	0	2	
ARCH0054	No	01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-10/16/89	1	8	
ARCH0055	No	01077	SILVER, TOTAL (UG/L AS AG)	10/05/89-10/16/89	0	2	
ARCH0056	No	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-10/16/89	1	6	
ARCH0059	No	01077	SILVER, TOTAL (UG/L AS AG)	08/15/89-10/16/89	0	2	
ARCH0060	No	01077	SILVER, TOTAL (UG/L AS AG)	09/15/88-10/16/89	1	4	
ARCH0061	No	01077	SILVER, TOTAL (UG/L AS AG)	08/15/89-10/16/89	0	2	
ARCH0062	No	01077	SILVER, TOTAL (UG/L AS AG)	09/15/88-10/16/89	1	3	
ARCH0064	No	01077	SILVER, TOTAL (UG/L AS AG)	09/13/89-10/16/89	0	3	
ARCH0065	No	01077	SILVER, TOTAL (UG/L AS AG)	09/15/88-10/16/89	1	3	
ARCH0066	No	01077	SILVER, TOTAL (UG/L AS AG)	09/15/88-10/16/89	1	3	
ARCH0067	No	01077	SILVER, TOTAL (UG/L AS AG)	08/15/89-08/15/89	0	1	
ARCH0069	No	01077	SILVER, TOTAL (UG/L AS AG)	06/29/81-02/06/90	8	3	
ARCH0081	No	01077	SILVER, TOTAL (UG/L AS AG)	06/29/95-02/13/97	1	4	
ARCH0091	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01077	SILVER, TOTAL (UG/L AS AG)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	0	3	
ARCH0177	No	01077	SILVER, TOTAL (UG/L AS AG)	10/20/77-08/25/82	4	19	
ARCH0048	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0065	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0013	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/85-08/15/85	0	1	
ARCH0016	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/16/85-08/16/85	0	1	
ARCH0021	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/16/85-08/16/85	0	1	
ARCH0070	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/85-08/15/85	0	1	
ARCH0077	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/17/85-08/17/85	0	1	
ARCH0080	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/24/76-02/24/76	0	1	
ARCH0151	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/26/85-11/26/85	0	1	
ARCH0175	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/10/85-06/10/85	0	1	
ARCH0177	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-05/22/96	14	50	
ARCH0180	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/23/85-11/23/85	0	1	
ARCH0182	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/13/85-12/13/85	0	1	
ARCH0047	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	10/05/89-10/16/89	0	2	
ARCH0048	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-10/16/89	1	7	
ARCH0049	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-09/25/88	0	2	
ARCH0050	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-10/16/89	1	7	
ARCH0051	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-10/16/89	1	8	
ARCH0052	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-07/28/88	0	1	
ARCH0053	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	10/05/89-10/16/89	0	2	
ARCH0054	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-10/16/89	1	8	
ARCH0055	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	10/05/89-10/16/89	0	2	
ARCH0056	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-10/16/89	1	6	
ARCH0059	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/15/89-10/16/89	0	2	
ARCH0060	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/15/88-10/16/89	1	4	
ARCH0061	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/15/89-10/16/89	0	2	
ARCH0062	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/15/88-10/16/89	1	3	
ARCH0064	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/13/89-10/16/89	0	3	
ARCH0065	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/15/88-10/16/89	1	3	
ARCH0066	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/15/88-10/16/89	1	3	
ARCH0067	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	0	3	
ARCH0048	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0039	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	05/25/76-05/25/76	0	1	
ARCH0046	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	12/07/95-02/18/98	2	9	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0073	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	12/07/95-02/18/98	2	9	
ARCH0081	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	12/07/95-02/18/98	2	9	
ARCH0177	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	10/21/82-05/22/96	13	49	
ARCH0046	No	01087	VANADIUM, TOTAL (UG/L AS V)	09/21/95-02/13/97	1	2	
ARCH0073	No	01087	VANADIUM, TOTAL (UG/L AS V)	09/21/95-09/21/95	0	1	
ARCH0081	No	01087	VANADIUM, TOTAL (UG/L AS V)	09/21/95-02/13/97	1	2	
ARCH0048	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0002	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/05/99-08/05/99	0	1	
ARCH0006	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/29/81-04/29/81	0	1	
ARCH0007	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	0	1	
ARCH0008	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/24/78-06/24/78	0	1	
ARCH0009	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-03/17/77	2	7	
ARCH0010	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/04/94-07/30/95	1	2	
ARCH0011	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/27/78-06/27/78	0	1	
ARCH0012	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/30/95-07/30/95	0	1	
ARCH0014	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/06/78-06/06/78	0	1	
ARCH0015	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/12/95-12/02/99	4	9	
ARCH0018	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/27/78-06/27/78	0	1	
ARCH0020	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/06/95-12/06/95	0	1	
ARCH0022	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	04/01/64-06/06/78	14	2	
ARCH0023	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/06/95-12/06/95	0	1	
ARCH0025	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/24/78-06/24/78	0	1	
ARCH0028	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/29/99-12/21/99	0	2	
ARCH0029	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/01/78-07/01/78	0	1	
ARCH0030	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/31/97-05/06/98	0	4	
ARCH0032	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/27/78-06/27/78	0	1	
ARCH0034	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-04/29/93	18	6	
ARCH0035	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/24/95-12/13/99	4	12	
ARCH0036	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/18/77-03/15/78	0	3	
ARCH0037	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	0	1	
ARCH0039	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/25/76-05/25/76	0	1	
ARCH0040	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/25/78-06/25/78	0	1	
ARCH0041	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/78-06/23/78	0	1	
ARCH0042	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-06/15/77	2	9	
ARCH0043	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/69-06/23/69	0	1	
ARCH0044	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/25/78-06/25/78	0	1	
ARCH0045	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	7	34	
ARCH0046	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/15/95-02/18/98	2	10	
ARCH0057	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/01/78-07/01/78	0	1	
ARCH0058	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/25/78-06/25/78	0	1	
ARCH0068	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/06/95-12/06/95	0	1	
ARCH0069	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/06/78-06/06/78	0	1	
ARCH0071	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/78-06/23/78	0	1	
ARCH0072	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	0	1	
ARCH0073	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/11/95-02/18/98	2	11	
ARCH0079	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	0	1	
ARCH0080	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	7	35	
ARCH0081	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-01/21/99	23	35	
ARCH0084	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	0	1	
ARCH0085	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/13/78-03/13/78	0	1	
ARCH0086	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/93-12/08/99	6	14	
ARCH0102	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/22/78-06/22/78	0	1	
ARCH0104	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/22/78-06/22/78	0	1	
ARCH0105	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/22/78-06/22/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0111	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/93-08/23/99	5	12	
ARCH0114	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/21/78-06/21/78	0	1	
ARCH0116	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/31/97-05/07/98	0	4	
ARCH0117	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/16/79-01/27/81	2	15	
ARCH0126	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/29/97-11/28/99	2	8	
ARCH0141	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/26/78-06/26/78	0	1	
ARCH0142	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/05/77-07/05/77	0	1	
ARCH0145	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/05/77-12/13/79	2	9	
ARCH0147	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/21/78-06/21/78	0	1	
ARCH0150	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/31/97-05/07/98	0	4	
ARCH0152	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/22/78-06/22/78	0	1	
ARCH0155	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/93-11/28/99	6	14	
ARCH0171	Yes	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/08/78-07/08/78	0	1	
ARCH0173	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/05/78-07/05/78	0	1	
ARCH0174	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/04/99-12/07/99	0	4	
ARCH0176	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	02/19/76-02/15/79	2	4	
ARCH0177	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/22/74-05/22/96	21	61	
ARCH0178	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/28/76-12/08/99	23	45	
ARCH0183	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/02/78-07/02/78	0	1	
ARCH0177	No	01091	ZINC, SUSPENDED (UG/L ZN)	10/22/74-08/25/82	7	20	
ARCH0010	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/12/94-07/12/94	0	1	
ARCH0012	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/04/94-07/12/94	0	2	
ARCH0014	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/29/81-02/06/90	8	4	
ARCH0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/10/84-02/06/90	5	3	
ARCH0022	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/30/81-02/06/90	8	5	
ARCH0039	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/26/74-09/22/81	7	24	
ARCH0045	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/17/77-05/17/77	0	1	
ARCH0046	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/11/95-02/13/97	1	5	
ARCH0069	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/29/81-02/06/90	8	3	
ARCH0074	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/27/77-01/27/77	0	1	
ARCH0080	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/29/77-05/17/77	0	2	
ARCH0081	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/29/95-02/13/97	1	4	
ARCH0082	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/26/74-03/26/74	0	2	
ARCH0177	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/22/74-08/25/82	7	21	
ARCH0048	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0046	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	12/07/95-02/18/98	2	9	
ARCH0073	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	12/07/95-02/18/98	2	9	
ARCH0081	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	12/07/95-02/18/98	2	9	
ARCH0177	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/22/96-05/22/96	0	1	
ARCH0045	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	11/16/76-01/17/77	0	3	
ARCH0046	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/21/95-02/13/97	1	2	
ARCH0047	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	10/05/89-10/16/89	0	2	
ARCH0048	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-10/16/89	1	7	
ARCH0049	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-09/25/88	0	2	
ARCH0050	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-10/16/89	1	7	
ARCH0051	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-10/16/89	1	8	
ARCH0052	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-07/28/88	0	1	
ARCH0053	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	10/05/89-10/16/89	0	2	
ARCH0054	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-10/16/89	1	8	
ARCH0055	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	10/05/89-10/16/89	0	2	
ARCH0056	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-10/16/89	1	6	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0059	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/15/89-10/16/89	0	2	
ARCH0060	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/15/88-10/16/89	1	4	
ARCH0061	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/15/89-10/16/89	0	2	
ARCH0062	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/15/88-10/16/89	1	3	
ARCH0064	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/13/89-10/16/89	0	3	
ARCH0065	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/15/88-10/16/89	1	3	
ARCH0066	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/15/88-10/16/89	1	3	
ARCH0067	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/15/89-08/15/89	0	1	
ARCH0073	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/21/95-09/21/95	0	1	
ARCH0080	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	07/27/76-01/17/77	0	4	
ARCH0081	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/21/95-02/13/97	1	2	
ARCH0091	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	0	3	
ARCH0048	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0047	No	01102	TIN, TOTAL (UG/L AS SN)	10/05/89-10/16/89	0	2	
ARCH0048	No	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-10/16/89	1	7	
ARCH0049	No	01102	TIN, TOTAL (UG/L AS SN)	07/28/88-09/25/88	0	2	
ARCH0050	No	01102	TIN, TOTAL (UG/L AS SN)	07/28/88-10/16/89	1	7	
ARCH0051	No	01102	TIN, TOTAL (UG/L AS SN)	07/28/88-10/16/89	1	8	
ARCH0052	No	01102	TIN, TOTAL (UG/L AS SN)	07/28/88-07/28/88	0	1	
ARCH0053	No	01102	TIN, TOTAL (UG/L AS SN)	10/05/89-10/16/89	0	2	
ARCH0054	No	01102	TIN, TOTAL (UG/L AS SN)	07/28/88-10/16/89	1	8	
ARCH0055	No	01102	TIN, TOTAL (UG/L AS SN)	10/05/89-10/16/89	0	2	
ARCH0056	No	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-10/16/89	1	6	
ARCH0059	No	01102	TIN, TOTAL (UG/L AS SN)	08/15/89-10/16/89	0	2	
ARCH0060	No	01102	TIN, TOTAL (UG/L AS SN)	09/15/88-10/16/89	1	4	
ARCH0061	No	01102	TIN, TOTAL (UG/L AS SN)	08/15/89-10/16/89	0	2	
ARCH0062	No	01102	TIN, TOTAL (UG/L AS SN)	09/15/88-10/16/89	1	3	
ARCH0064	No	01102	TIN, TOTAL (UG/L AS SN)	09/13/89-10/16/89	0	3	
ARCH0065	No	01102	TIN, TOTAL (UG/L AS SN)	09/15/88-10/16/89	1	3	
ARCH0066	No	01102	TIN, TOTAL (UG/L AS SN)	09/15/88-10/16/89	1	3	
ARCH0067	No	01102	TIN, TOTAL (UG/L AS SN)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01102	TIN, TOTAL (UG/L AS SN)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	0	3	
ARCH0046	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	05/11/95-02/13/97	1	5	
ARCH0048	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	0	1	
ARCH0049	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-07/28/88	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0050	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-10/16/89	1	5	
ARCH0051	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-10/16/89	1	5	
ARCH0052	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-07/28/88	0	1	
ARCH0054	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-10/16/89	1	5	
ARCH0055	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/05/89-10/16/89	0	2	
ARCH0056	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-10/16/89	1	3	
ARCH0059	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/16/89-10/16/89	0	1	
ARCH0081	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/95-02/13/97	1	4	
ARCH0091	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	0	1	
ARCH0092	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	0	2	
ARCH0093	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	0	2	
ARCH0095	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	0	2	
ARCH0096	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	0	1	
ARCH0098	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	0	1	
ARCH0099	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	0	1	
ARCH0100	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	0	2	
ARCH0101	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	0	1	
ARCH0002	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/05/99-08/05/99	0	1	
ARCH0010	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/30/95-07/30/95	0	1	
ARCH0012	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/30/95-07/30/95	0	1	
ARCH0015	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/12/95-12/02/99	4	9	
ARCH0020	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/06/95-12/06/95	0	1	
ARCH0023	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/06/95-12/06/95	0	1	
ARCH0028	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/29/99-12/21/99	0	2	
ARCH0030	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/97-05/06/98	0	4	
ARCH0035	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/24/95-12/13/99	4	12	
ARCH0046	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/15/95-02/18/98	2	9	
ARCH0068	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/06/95-12/06/95	0	1	
ARCH0073	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/11/95-02/18/98	2	10	
ARCH0081	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/11/95-01/21/99	3	11	
ARCH0086	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/12/95-12/13/99	4	12	
ARCH0089	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/05/96-12/08/99	3	13	
ARCH0111	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/22/96-08/23/99	3	11	
ARCH0116	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/97-05/07/98	0	4	
ARCH0130	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/29/97-11/28/99	2	8	
ARCH0150	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/97-05/07/98	0	4	
ARCH0155	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/22/96-11/28/99	3	13	
ARCH0174	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/04/99-12/07/99	0	4	
ARCH0177	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/82-05/22/96	13	48	
ARCH0178	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/02/94-12/08/99	5	20	
ARCH0047	No	01112	CERIUM, TOTAL (UG/L AS CE)	10/05/89-10/16/89	0	2	
ARCH0048	No	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-10/16/89	1	7	
ARCH0049	No	01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-09/25/88	0	2	
ARCH0050	No	01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-10/16/89	1	7	
ARCH0051	No	01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-10/16/89	1	8	
ARCH0052	No	01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-07/28/88	0	1	
ARCH0053	No	01112	CERIUM, TOTAL (UG/L AS CE)	10/05/89-10/16/89	0	2	
ARCH0054	No	01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-10/16/89	1	8	
ARCH0055	No	01112	CERIUM, TOTAL (UG/L AS CE)	10/05/89-10/16/89	0	2	
ARCH0056	No	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-10/16/89	1	6	
ARCH0059	No	01112	CERIUM, TOTAL (UG/L AS CE)	08/15/89-10/16/89	0	2	
ARCH0060	No	01112	CERIUM, TOTAL (UG/L AS CE)	09/15/88-10/16/89	1	4	
ARCH0061	No	01112	CERIUM, TOTAL (UG/L AS CE)	08/15/89-10/16/89	0	2	
ARCH0062	No	01112	CERIUM, TOTAL (UG/L AS CE)	09/15/88-10/16/89	1	3	
ARCH0064	No	01112	CERIUM, TOTAL (UG/L AS CE)	09/13/89-10/16/89	0	3	
ARCH0065	No	01112	CERIUM, TOTAL (UG/L AS CE)	09/15/88-10/16/89	1	3	
ARCH0066	No	01112	CERIUM, TOTAL (UG/L AS CE)	09/15/88-10/16/89	1	3	
ARCH0067	No	01112	CERIUM, TOTAL (UG/L AS CE)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0047	No	01117	CESIUM, TOTAL (UG/L AS CS)	10/05/89-10/16/89	0	2	
ARCH0048	No	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-10/16/89	1	7	
ARCH0049	No	01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-09/25/88	0	2	
ARCH0050	No	01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-10/16/89	1	7	
ARCH0051	No	01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-10/16/89	1	8	
ARCH0052	No	01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-07/28/88	0	1	
ARCH0053	No	01117	CESIUM, TOTAL (UG/L AS CS)	10/05/89-10/16/89	0	2	
ARCH0054	No	01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-10/16/89	1	8	
ARCH0055	No	01117	CESIUM, TOTAL (UG/L AS CS)	10/05/89-10/16/89	0	2	
ARCH0056	No	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-10/16/89	1	6	
ARCH0059	No	01117	CESIUM, TOTAL (UG/L AS CS)	08/15/89-10/16/89	0	2	
ARCH0060	No	01117	CESIUM, TOTAL (UG/L AS CS)	09/15/88-10/16/89	1	4	
ARCH0061	No	01117	CESIUM, TOTAL (UG/L AS CS)	08/15/89-10/16/89	0	2	
ARCH0062	No	01117	CESIUM, TOTAL (UG/L AS CS)	09/15/88-10/16/89	1	3	
ARCH0064	No	01117	CESIUM, TOTAL (UG/L AS CS)	09/13/89-10/16/89	0	3	
ARCH0065	No	01117	CESIUM, TOTAL (UG/L AS CS)	09/15/88-10/16/89	1	3	
ARCH0066	No	01117	CESIUM, TOTAL (UG/L AS CS)	09/15/88-10/16/89	1	3	
ARCH0067	No	01117	CESIUM, TOTAL (UG/L AS CS)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	0	3	
ARCH0047	No	01122	GALLIUM, TOTAL (UG/L AS GA)	10/05/89-10/16/89	0	2	
ARCH0048	No	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-10/16/89	1	7	
ARCH0049	No	01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-09/25/88	0	2	
ARCH0050	No	01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-10/16/89	1	7	
ARCH0051	No	01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-10/16/89	1	8	
ARCH0052	No	01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-07/28/88	0	1	
ARCH0053	No	01122	GALLIUM, TOTAL (UG/L AS GA)	10/05/89-10/16/89	0	2	
ARCH0054	No	01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-10/16/89	1	8	
ARCH0055	No	01122	GALLIUM, TOTAL (UG/L AS GA)	10/05/89-10/16/89	0	2	
ARCH0056	No	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-10/16/89	1	6	
ARCH0059	No	01122	GALLIUM, TOTAL (UG/L AS GA)	08/15/89-10/16/89	0	2	
ARCH0060	No	01122	GALLIUM, TOTAL (UG/L AS GA)	09/15/88-10/16/89	1	4	
ARCH0061	No	01122	GALLIUM, TOTAL (UG/L AS GA)	08/15/89-10/16/89	0	2	
ARCH0062	No	01122	GALLIUM, TOTAL (UG/L AS GA)	09/15/88-10/16/89	1	3	
ARCH0064	No	01122	GALLIUM, TOTAL (UG/L AS GA)	09/13/89-10/16/89	0	3	
ARCH0065	No	01122	GALLIUM, TOTAL (UG/L AS GA)	09/15/88-10/16/89	1	3	
ARCH0066	No	01122	GALLIUM, TOTAL (UG/L AS GA)	09/15/88-10/16/89	1	3	
ARCH0067	No	01122	GALLIUM, TOTAL (UG/L AS GA)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	0	3	
ARCH0047	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	10/05/89-10/16/89	0	2	
ARCH0048	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-10/16/89	1	7	
ARCH0049	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-09/25/88	0	2	
ARCH0050	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-10/16/89	1	7	
ARCH0051	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-10/16/89	1	8	
ARCH0052	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-07/28/88	0	1	
ARCH0053	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	10/05/89-10/16/89	0	2	
ARCH0054	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-10/16/89	1	8	
ARCH0055	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	10/05/89-10/16/89	0	2	
ARCH0056	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-10/16/89	1	6	
ARCH0059	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/15/89-10/16/89	0	2	
ARCH0060	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	09/15/88-10/16/89	1	4	
ARCH0061	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/15/89-10/16/89	0	2	
ARCH0062	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	09/15/88-10/16/89	1	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0064	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	09/13/89-10/16/89	0	3	
ARCH0065	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	09/15/88-10/16/89	1	3	
ARCH0066	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	09/15/88-10/16/89	1	3	
ARCH0067	No	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	0	3	
ARCH0039	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/25/76-05/25/76	0	1	
ARCH0177	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/21/82-05/22/96	13	49	
ARCH0047	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/89-10/16/89	0	2	
ARCH0048	No	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-10/16/89	1	7	
ARCH0049	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-09/25/88	0	2	
ARCH0050	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-10/16/89	1	7	
ARCH0051	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-10/16/89	1	8	
ARCH0052	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-07/28/88	0	1	
ARCH0053	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/89-10/16/89	0	2	
ARCH0054	No	01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-10/16/89	1	8	
ARCH0055	No	01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/89-10/16/89	0	2	
ARCH0056	No	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-10/16/89	1	6	
ARCH0059	No	01132	LITHIUM, TOTAL (UG/L AS LI)	08/15/89-10/16/89	0	2	
ARCH0060	No	01132	LITHIUM, TOTAL (UG/L AS LI)	09/15/88-10/16/89	1	4	
ARCH0061	No	01132	LITHIUM, TOTAL (UG/L AS LI)	08/15/89-10/16/89	0	2	
ARCH0062	No	01132	LITHIUM, TOTAL (UG/L AS LI)	09/15/88-10/16/89	1	3	
ARCH0064	No	01132	LITHIUM, TOTAL (UG/L AS LI)	09/13/89-10/16/89	0	3	
ARCH0065	No	01132	LITHIUM, TOTAL (UG/L AS LI)	09/15/88-10/16/89	1	3	
ARCH0066	No	01132	LITHIUM, TOTAL (UG/L AS LI)	09/15/88-10/16/89	1	3	
ARCH0067	No	01132	LITHIUM, TOTAL (UG/L AS LI)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	0	3	
ARCH0047	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	10/05/89-10/16/89	0	2	
ARCH0048	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-10/16/89	1	7	
ARCH0049	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-09/25/88	0	2	
ARCH0050	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-10/16/89	1	7	
ARCH0051	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-10/16/89	1	8	
ARCH0052	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-07/28/88	0	1	
ARCH0053	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	10/05/89-10/16/89	0	2	
ARCH0054	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-10/16/89	1	8	
ARCH0055	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	10/05/89-10/16/89	0	2	
ARCH0056	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-10/16/89	1	6	
ARCH0059	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/15/89-10/16/89	0	2	
ARCH0060	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/15/88-10/16/89	1	4	
ARCH0061	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/15/89-10/16/89	0	2	
ARCH0062	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/15/88-10/16/89	1	3	
ARCH0064	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/13/89-10/16/89	0	3	
ARCH0065	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/15/88-10/16/89	1	3	
ARCH0066	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/15/88-10/16/89	1	3	
ARCH0067	No	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0099	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	0	3	
ARCH0002	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/11/93-08/05/99	5	4	
ARCH0009	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/31/76-03/17/77	0	4	
ARCH0010	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	04/04/94-07/30/95	1	2	
ARCH0012	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/30/95-07/30/95	0	1	
ARCH0013	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/15/85-08/15/85	0	1	
ARCH0014	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/06/78-06/06/78	0	1	
ARCH0015	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/12/95-12/02/99	4	9	
ARCH0016	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/16/85-08/16/85	0	1	
ARCH0019	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/19/68-11/19/68	0	1	
ARCH0020	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/06/95-12/06/95	0	1	
ARCH0021	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/16/85-08/16/85	0	1	
ARCH0022	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/06/78-06/06/78	0	1	
ARCH0023	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/06/95-12/06/95	0	1	
ARCH0028	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/29/99-12/21/99	0	2	
ARCH0030	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/31/97-05/06/98	0	4	
ARCH0034	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/28/75-04/29/93	18	6	
ARCH0035	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/24/95-12/13/99	4	12	
ARCH0036	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/15/77-03/15/78	0	5	
ARCH0042	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/31/76-06/15/77	1	6	
ARCH0046	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/15/95-02/18/98	2	11	
ARCH0068	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/06/95-12/06/95	0	1	
ARCH0069	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/06/78-06/06/78	0	1	
ARCH0070	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/15/85-08/15/85	0	1	
ARCH0073	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/11/95-02/18/98	2	12	
ARCH0077	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/17/85-08/17/85	0	1	
ARCH0081	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/19/76-01/21/99	22	41	
ARCH0085	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/13/78-03/13/78	0	1	
ARCH0086	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/80-12/13/99	19	20	
ARCH0089	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/93-12/08/99	6	14	
ARCH0106	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/15/70-09/15/70	0	1	
ARCH0111	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/93-08/23/99	5	12	
ARCH0112	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/15/70-09/15/70	0	1	
ARCH0116	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/31/97-05/07/98	0	4	
ARCH0117	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/16/79-01/27/81	2	15	
ARCH0118	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/21/77-10/17/77	0	3	
ARCH0126	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/16/79-10/22/80	1	15	
ARCH0130	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/29/97-11/28/99	2	8	
ARCH0133	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/15/70-09/15/70	0	1	
ARCH0145	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/05/77-12/13/79	2	9	
ARCH0150	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/31/97-05/07/98	0	4	
ARCH0151	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/26/85-11/26/85	0	1	
ARCH0155	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/01/97-04/28/99	1	6	
ARCH0162	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/16/70-09/16/70	0	1	
ARCH0169	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/93-11/28/99	6	14	
ARCH0172	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/21/77-06/21/77	0	1	
ARCH0174	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/04/99-12/07/99	0	4	
ARCH0175	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/10/85-06/10/85	0	1	
ARCH0176	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/19/76-02/15/79	2	5	
ARCH0177	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/22/74-05/22/96	21	70	
ARCH0178	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/28/76-12/08/99	23	47	
ARCH0180	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/23/85-11/23/85	0	1	
ARCH0182	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/13/85-12/13/85	0	1	
ARCH0177	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	10/22/74-08/25/82	7	21	
ARCH0010	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/12/94-07/12/94	0	1	
ARCH0012	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/04/94-07/12/94	0	2	
ARCH0014	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/15/81-02/06/90	8	5	
ARCH0017	No	01147	SELENIUM, TOTAL (UG/L AS SE)	12/10/84-02/06/90	5	3	
ARCH0022	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/30/81-02/06/90	8	5	
ARCH0039	No	01147	SELENIUM, TOTAL (UG/L AS SE)	02/26/74-03/26/74	0	2	
ARCH0046	No	01147	SELENIUM, TOTAL (UG/L AS SE)	05/11/95-02/13/97	1	5	
ARCH0047	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/05/89-10/16/89	0	2	
ARCH0048	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-10/16/89	1	7	
ARCH0049	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-09/25/88	0	2	
ARCH0050	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-10/16/89	1	7	
ARCH0051	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-10/16/89	1	8	
ARCH0052	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-07/28/88	0	1	
ARCH0053	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/05/89-10/16/89	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0054	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-10/16/89	1	8	
ARCH0055	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/05/89-10/16/89	0	2	
ARCH0056	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-10/16/89	1	6	
ARCH0059	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/15/89-10/16/89	0	2	
ARCH0060	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/15/88-10/16/89	1	4	
ARCH0061	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/15/89-10/16/89	0	2	
ARCH0062	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/15/88-10/16/89	1	3	
ARCH0064	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/13/89-10/16/89	0	3	
ARCH0065	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/15/88-10/16/89	1	3	
ARCH0066	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/15/88-10/16/89	1	3	
ARCH0067	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/15/89-08/15/89	0	1	
ARCH0069	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/29/81-02/06/90	8	3	
ARCH0081	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/29/95-02/13/97	1	4	
ARCH0082	No	01147	SELENIUM, TOTAL (UG/L AS SE)	02/26/74-03/26/74	0	2	
ARCH0091	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	0	3	
ARCH0177	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/22/74-07/22/91	16	26	
ARCH0048	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0119	No	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	10/15/71-04/04/72	0	5	
ARCH0007	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	0	1	
ARCH0008	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/24/78-06/24/78	0	1	
ARCH0011	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/27/78-06/27/78	0	1	
ARCH0018	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/27/78-06/27/78	0	1	
ARCH0025	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/24/78-06/24/78	0	1	
ARCH0029	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/01/78-07/01/78	0	1	
ARCH0032	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/27/78-06/27/78	0	1	
ARCH0037	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	0	1	
ARCH0040	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/25/78-06/25/78	0	1	
ARCH0041	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/23/78-06/23/78	0	1	
ARCH0044	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/25/78-06/25/78	0	1	
ARCH0057	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/01/78-07/01/78	0	1	
ARCH0058	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/25/78-06/25/78	0	1	
ARCH0071	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/23/78-06/23/78	0	1	
ARCH0072	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	0	1	
ARCH0079	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	0	1	
ARCH0084	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	0	1	
ARCH0102	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/22/78-06/22/78	0	1	
ARCH0104	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/22/78-06/22/78	0	1	
ARCH0105	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/22/78-06/22/78	0	1	
ARCH0114	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/21/78-06/21/78	0	1	
ARCH0141	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/26/78-06/26/78	0	1	
ARCH0147	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/21/78-06/21/78	0	1	
ARCH0152	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/22/78-06/22/78	0	1	
ARCH0171	Yes	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/08/78-07/08/78	0	1	
ARCH0173	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/05/78-07/05/78	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0183	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/02/78-07/02/78	0	1	
ARCH0048	No	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0048	No	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	3	
ARCH0050	No	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0051	No	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0054	No	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0056	No	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0063	No	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0065	No	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0066	No	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	0	2	
ARCH0048	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	3	
ARCH0050	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0051	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0054	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0056	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0063	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0065	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0066	No	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	0	2	
ARCH0001	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/30/77-04/18/95	18	9	
ARCH0012	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/21/91-04/18/95	3	11	
ARCH0015	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	04/19/78-04/09/81	2	12	
ARCH0042	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	14	110	T
ARCH0086	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/14/78-07/20/82	4	10	
ARCH0089	Yes	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	05/04/91-03/23/92	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0111	Yes	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/28/90-04/10/93	2	5	
ARCH0118	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-10/23/78	1	4	
ARCH0120	Yes	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/13/78-03/13/78	0	1	
ARCH0130	Yes	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/12/77-06/13/86	8	3	
ARCH0155	Yes	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-08/21/78	1	2	
ARCH0176	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/14/78-04/07/81	3	51	
ARCH0178	No	01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	02/24/77-04/02/92	15	141	
ARCH0047	No	01168	INDIUM, WATER, WHOLE UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01168	INDIUM, WATER, WHOLE UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01168	INDIUM, WATER, WHOLE UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01168	INDIUM, WATER, WHOLE UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01168	INDIUM, WATER, WHOLE UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01168	INDIUM, WATER, WHOLE UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01168	INDIUM, WATER, WHOLE UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01168	INDIUM, WATER, WHOLE UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01168	INDIUM, WATER, WHOLE UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01168	INDIUM, WATER, WHOLE UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01168	INDIUM, WATER, WHOLE UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01168	INDIUM, WATER, WHOLE UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01168	INDIUM, WATER, WHOLE UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01168	INDIUM, WATER, WHOLE UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01168	INDIUM, WATER, WHOLE UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01168	INDIUM, WATER, WHOLE UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01168	INDIUM, WATER, WHOLE UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	0	3	
ARCH0048	No	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	3	
ARCH0050	No	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0051	No	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0054	No	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0056	No	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0063	No	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0065	No	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0066	No	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	0	2	
ARCH0047	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	10/05/89-10/16/89	0	2	
ARCH0048	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-10/16/89	1	7	
ARCH0049	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-09/25/88	0	2	
ARCH0050	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-10/16/89	1	7	
ARCH0051	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-10/16/89	1	8	
ARCH0052	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-07/28/88	0	1	
ARCH0053	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	10/05/89-10/16/89	0	2	
ARCH0054	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-10/16/89	1	8	
ARCH0055	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	10/05/89-10/16/89	0	2	
ARCH0056	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-10/16/89	1	6	
ARCH0059	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/15/89-10/16/89	0	2	
ARCH0060	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	09/15/88-10/16/89	1	4	
ARCH0061	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/15/89-10/16/89	0	2	
ARCH0062	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	09/15/88-10/16/89	1	3	
ARCH0064	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	09/13/89-10/16/89	0	3	
ARCH0065	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	09/15/88-10/16/89	1	3	
ARCH0066	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	09/15/88-10/16/89	1	3	
ARCH0067	No	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	0	3	
ARCH0047	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	10/05/89-10/16/89	0	2	
ARCH0048	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-10/16/89	1	7	
ARCH0049	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-09/25/88	0	2	
ARCH0050	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-10/16/89	1	7	
ARCH0051	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-10/16/89	1	8	
ARCH0052	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-07/28/88	0	1	
ARCH0053	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	10/05/89-10/16/89	0	2	
ARCH0054	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-10/16/89	1	8	
ARCH0055	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	10/05/89-10/16/89	0	2	
ARCH0056	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-10/16/89	1	6	
ARCH0059	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/15/89-10/16/89	0	2	
ARCH0060	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	09/15/88-10/16/89	1	4	
ARCH0061	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/15/89-10/16/89	0	2	
ARCH0062	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	09/15/88-10/16/89	1	3	
ARCH0064	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	09/13/89-10/16/89	0	3	
ARCH0065	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	09/15/88-10/16/89	1	3	
ARCH0066	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	09/15/88-10/16/89	1	3	
ARCH0067	No	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0100	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	0	3	
ARCH0047	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	10/05/89-10/16/89	0	2	
ARCH0048	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-10/16/89	1	7	
ARCH0049	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-09/25/88	0	2	
ARCH0050	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-10/16/89	1	7	
ARCH0051	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-10/16/89	1	8	
ARCH0052	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-07/28/88	0	1	
ARCH0053	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	10/05/89-10/16/89	0	2	
ARCH0054	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-10/16/89	1	8	
ARCH0055	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	10/05/89-10/16/89	0	2	
ARCH0056	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-10/16/89	1	6	
ARCH0059	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/15/89-10/16/89	0	2	
ARCH0060	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	09/15/88-10/16/89	1	4	
ARCH0061	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/15/89-10/16/89	0	2	
ARCH0062	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	09/15/88-10/16/89	1	3	
ARCH0064	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	09/13/89-10/16/89	0	3	
ARCH0065	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	09/15/88-10/16/89	1	3	
ARCH0066	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	09/15/88-10/16/89	1	3	
ARCH0067	No	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	0	3	
ARCH0047	No	01219	GADOLINIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01219	GADOLINIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01219	GADOLINIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01219	GADOLINIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01219	GADOLINIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01219	GADOLINIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01219	GADOLINIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01219	GADOLINIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01219	GADOLINIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01219	GADOLINIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01219	GADOLINIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01219	GADOLINIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01219	GADOLINIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01219	GADOLINIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01219	GADOLINIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01219	GADOLINIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01219	GADOLINIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01219	GADOLINIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01219	GADOLINIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01236	EUROPIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01236	EUROPIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01236	EUROPIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01236	EUROPIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01236	EUROPIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01236	EUROPIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01236	EUROPIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01236	EUROPIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01236	EUROPIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01236	EUROPIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01236	EUROPIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01236	EUROPIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0061	No	01236	EUROPIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01236	EUROPIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01236	EUROPIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01236	EUROPIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01236	EUROPIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01236	EUROPIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01236	EUROPIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01237	NEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01237	NEODYMIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01237	NEODYMIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01237	NEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01237	NEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01237	NEODYMIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01237	NEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01237	NEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01237	NEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01237	NEODYMIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01237	NEODYMIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01237	NEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01237	NEODYMIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01237	NEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01237	NEODYMIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01237	NEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01237	NEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01237	NEODYMIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01237	NEODYMIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01238	PRASEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01238	PRASEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01238	PRASEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01238	PRASEODYMIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01238	PRASEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01238	PRASEODYMIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01238	PRASEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01238	PRASEODYMIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01238	PRASEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01238	PRASEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01238	PRASEODYMIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01238	PRASEODYMIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0099	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01239	NIOBIUM, TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01239	NIOBIUM, TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01239	NIOBIUM, TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01239	NIOBIUM, TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01239	NIOBIUM, TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01239	NIOBIUM, TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01239	NIOBIUM, TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01239	NIOBIUM, TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01239	NIOBIUM, TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01239	NIOBIUM, TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01239	NIOBIUM, TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01239	NIOBIUM, TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01239	NIOBIUM, TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01239	NIOBIUM, TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01239	NIOBIUM, TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01239	NIOBIUM, TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01239	NIOBIUM, TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01239	NIOBIUM, TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01239	NIOBIUM, TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01240	IRIDIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01240	IRIDIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01240	IRIDIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01240	IRIDIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01240	IRIDIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01240	IRIDIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01240	IRIDIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01240	IRIDIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01240	IRIDIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01240	IRIDIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01240	IRIDIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01240	IRIDIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01240	IRIDIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01240	IRIDIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01240	IRIDIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01240	IRIDIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01240	IRIDIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01240	IRIDIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01240	IRIDIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01241	OSMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01241	OSMIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01241	OSMIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01241	OSMIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01241	OSMIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01241	OSMIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01241	OSMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01241	OSMIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01241	OSMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01241	OSMIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01241	OSMIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0060	No	01241	OSMIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01241	OSMIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01241	OSMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01241	OSMIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01241	OSMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01241	OSMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01241	OSMIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01241	OSMIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01242	RHENIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01242	RHENIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01242	RHENIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01242	RHENIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01242	RHENIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01242	RHENIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01242	RHENIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01242	RHENIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01242	RHENIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01242	RHENIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01242	RHENIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01242	RHENIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01242	RHENIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01242	RHENIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01242	RHENIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01242	RHENIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01242	RHENIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01242	RHENIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01242	RHENIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01243	HAFNIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01243	HAFNIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01243	HAFNIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01243	HAFNIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01243	HAFNIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01243	HAFNIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01243	HAFNIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01243	HAFNIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01243	HAFNIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01243	HAFNIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01243	HAFNIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01243	HAFNIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01243	HAFNIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01243	HAFNIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01243	HAFNIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01243	HAFNIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01243	HAFNIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01243	HAFNIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01243	HAFNIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0098	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01244	LUTETIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01244	LUTETIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01244	LUTETIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01244	LUTETIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01244	LUTETIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01244	LUTETIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01244	LUTETIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01244	LUTETIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01244	LUTETIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01244	LUTETIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01244	LUTETIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01244	LUTETIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01244	LUTETIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01244	LUTETIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01244	LUTETIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01244	LUTETIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01244	LUTETIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01244	LUTETIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01244	LUTETIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01246	ERBIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01246	ERBIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01246	ERBIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01246	ERBIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01246	ERBIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01246	ERBIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01246	ERBIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01246	ERBIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01246	ERBIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01246	ERBIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	01246	ERBIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01246	ERBIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01246	ERBIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01246	ERBIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01246	ERBIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01246	ERBIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01246	ERBIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01246	ERBIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01246	ERBIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	01247	HOLMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	01247	HOLMIUM,TOTAL UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	01247	HOLMIUM,TOTAL UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	01247	HOLMIUM,TOTAL UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	01247	HOLMIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	01247	HOLMIUM,TOTAL UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	01247	HOLMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	01247	HOLMIUM,TOTAL UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	01247	HOLMIUM,TOTAL UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	01247	HOLMIUM,TOTAL UG/L	08/21/88-10/16/89	1	6	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0059	No	01247	HOLMIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	01247	HOLMIUM,TOTAL UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	01247	HOLMIUM,TOTAL UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	01247	HOLMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	01247	HOLMIUM,TOTAL UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	01247	HOLMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	01247	HOLMIUM,TOTAL UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	01247	HOLMIUM,TOTAL UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	01247	HOLMIUM,TOTAL UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	0	3	
ARCH0010	No	01501	ALPHA, TOTAL	03/30/77-03/30/77	0	1	
ARCH0014	No	01501	ALPHA, TOTAL	05/18/81-02/06/90	8	6	
ARCH0017	No	01501	ALPHA, TOTAL	04/11/84-11/14/89	5	3	
ARCH0022	No	01501	ALPHA, TOTAL	05/18/81-02/06/90	8	7	
ARCH0023	No	01501	ALPHA, TOTAL	01/22/97-01/22/97	0	1	
ARCH0034	No	01501	ALPHA, TOTAL	05/01/85-05/11/95	10	28	
ARCH0042	No	01501	ALPHA, TOTAL	01/28/75-01/28/75	0	1	
ARCH0043	No	01501	ALPHA, TOTAL	10/14/69-01/04/71	1	15	
ARCH0046	No	01501	ALPHA, TOTAL	03/30/95-02/18/98	2	16	
ARCH0068	No	01501	ALPHA, TOTAL	01/22/97-01/22/97	0	1	
ARCH0069	No	01501	ALPHA, TOTAL	05/18/81-02/06/90	8	5	
ARCH0073	No	01501	ALPHA, TOTAL	05/11/95-09/05/96	1	6	
ARCH0081	No	01501	ALPHA, TOTAL	05/07/75-02/18/98	22	50	S
ARCH0083	No	01501	ALPHA, TOTAL	10/14/69-01/04/71	1	12	
ARCH0176	No	01501	ALPHA, TOTAL	03/14/78-03/14/78	0	1	
ARCH0178	No	01501	ALPHA, TOTAL	06/15/83-10/06/93	10	51	
ARCH0043	No	01502	ALPHA, TOTAL, COUNTING ERROR	10/14/69-01/04/71	1	15	
ARCH0083	No	01502	ALPHA, TOTAL, COUNTING ERROR	10/14/69-01/04/71	1	12	
ARCH0023	No	01503	ALPHA, DISSOLVED	04/30/97-04/30/97	0	1	
ARCH0043	No	01503	ALPHA, DISSOLVED	04/01/67-01/04/71	3	26	
ARCH0068	No	01503	ALPHA, DISSOLVED	04/30/97-04/30/97	0	1	
ARCH0073	No	01503	ALPHA, DISSOLVED	01/07/97-02/18/98	1	6	
ARCH0083	No	01503	ALPHA, DISSOLVED	04/01/67-01/04/71	3	22	
ARCH0043	No	01504	ALPHA, DISSOLVED, COUNTING ERROR	07/01/67-01/04/71	3	25	
ARCH0083	No	01504	ALPHA, DISSOLVED, COUNTING ERROR	07/01/67-01/04/71	3	21	
ARCH0043	No	01505	ALPHA, SUSPENDED	01/18/68-01/04/71	2	29	
ARCH0083	No	01505	ALPHA, SUSPENDED	10/14/69-01/04/71	1	12	
ARCH0043	No	01506	ALPHA, SUSPENDED, COUNTING ERROR	01/18/68-01/04/71	2	29	
ARCH0083	No	01506	ALPHA, SUSPENDED, COUNTING ERROR	10/14/69-01/04/71	1	12	
ARCH0083	No	02270	INVALID PARAMETER	12/27/68-12/27/68	0	1	
ARCH0010	No	03501	BETA, TOTAL	03/30/77-03/30/77	0	2	
ARCH0034	No	03501	BETA, TOTAL	09/02/75-05/11/95	19	29	
ARCH0036	No	03501	BETA, TOTAL	10/28/80-04/09/81	0	4	
ARCH0042	No	03501	BETA, TOTAL	01/28/75-10/08/80	5	2	
ARCH0043	No	03501	BETA, TOTAL	10/14/69-01/04/71	1	15	
ARCH0046	No	03501	BETA, TOTAL	03/30/95-02/18/98	2	16	
ARCH0073	No	03501	BETA, TOTAL	05/11/95-09/05/96	1	6	
ARCH0081	No	03501	BETA, TOTAL	05/07/75-02/18/98	22	54	S
ARCH0083	No	03501	BETA, TOTAL	10/14/69-01/04/71	1	12	
ARCH0176	No	03501	BETA, TOTAL	03/14/78-03/27/81	3	10	
ARCH0178	No	03501	BETA, TOTAL	05/19/77-10/06/93	16	57	
ARCH0043	No	03502	BETA, TOTAL, COUNTING ERROR	10/14/69-01/04/71	1	15	
ARCH0083	No	03502	BETA, TOTAL, COUNTING ERROR	10/14/69-01/04/71	1	12	
ARCH0023	No	03503	BETA, DISSOLVED	04/30/97-04/30/97	0	1	
ARCH0043	No	03503	BETA, DISSOLVED	04/01/67-01/04/71	3	26	
ARCH0068	No	03503	BETA, DISSOLVED	04/30/97-04/30/97	0	1	
ARCH0073	No	03503	BETA, DISSOLVED	01/07/97-02/18/98	1	6	
ARCH0083	No	03503	BETA, DISSOLVED	04/01/67-01/04/71	3	22	
ARCH0043	No	03504	BETA, DISSOLVED, COUNTING ERROR	07/01/67-01/04/71	3	25	
ARCH0083	No	03504	BETA, DISSOLVED, COUNTING ERROR	07/01/67-01/04/71	3	21	
ARCH0043	No	03505	BETA, SUSPENDED	01/18/68-01/04/71	2	29	
ARCH0083	No	03505	BETA, SUSPENDED	10/14/69-01/04/71	1	12	
ARCH0043	No	03506	BETA, SUSPENDED, COUNTING ERROR	01/18/68-01/04/71	2	29	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0083	No	03506	BETA, SUSPENDED, COUNTING ERROR	10/14/69-01/04/71	1	12	
ARCH0016	No	03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	08/16/85-08/16/85	0	1	
ARCH0151	No	03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	11/26/85-11/26/85	0	1	
ARCH0175	No	03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	06/10/85-06/10/85	0	1	
ARCH0180	No	03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	11/23/85-11/23/85	0	1	
ARCH0182	No	03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	12/13/85-12/13/85	0	1	
ARCH0177	No	04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	0	1	
ARCH0178	No	04257	ALDICARB SULFONE, TOTAL, WATER UG/L	09/12/91-09/12/91	0	1	
ARCH0178	No	04258	HYDROXYCARBOFURAN, 3-, TOTAL, WATER UG/L	09/12/91-09/12/91	0	1	
ARCH0178	No	04260	ALDICARB SULFOXIDE, TOTAL, WATER UG/L	09/12/91-09/12/91	0	1	
ARCH0034	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	05/07/86-07/30/86	0	2	
ARCH0036	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	08/13/80-04/09/81	0	4	
ARCH0042	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	01/28/75-01/28/75	0	1	
ARCH0081	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	08/13/80-05/07/86	5	7	
ARCH0176	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	03/11/80-03/27/81	1	9	
ARCH0178	No	07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	11/06/80-07/30/86	5	7	
ARCH0177	No	07012	TRITIUM IN WATERMOLECULES (TRITIUM UNITS)	09/21/61-10/30/84	23	248	
ARCH0177	No	07013	TRITIUM IN WATERMOLEC,COUNTING ERROR(TRIT UNITS)	09/21/61-10/30/84	23	248	
ARCH0010	No	09501	RADIUM 226, TOTAL	03/30/77-03/30/77	0	1	
ARCH0034	No	09501	RADIUM 226, TOTAL	05/01/85-05/11/95	10	28	
ARCH0036	No	09501	RADIUM 226, TOTAL	12/10/80-04/09/81	0	2	
ARCH0045	No	09501	RADIUM 226, TOTAL	07/24/79-06/25/81	1	22	
ARCH0046	No	09501	RADIUM 226, TOTAL	03/30/95-02/18/98	2	16	
ARCH0073	No	09501	RADIUM 226, TOTAL	05/11/95-09/05/96	1	6	
ARCH0074	No	09501	RADIUM 226, TOTAL	11/22/74-10/21/75	0	2	
ARCH0075	No	09501	RADIUM 226, TOTAL	11/22/74-10/21/75	0	2	
ARCH0080	No	09501	RADIUM 226, TOTAL	07/24/79-10/10/79	0	4	
ARCH0081	No	09501	RADIUM 226, TOTAL	03/15/78-02/18/98	19	48	
ARCH0176	No	09501	RADIUM 226, TOTAL	03/14/78-03/27/81	3	3	
ARCH0178	No	09501	RADIUM 226, TOTAL	05/19/77-10/06/93	16	40	
ARCH0023	No	09503	RADIUM 226, DISSOLVED	04/30/97-04/30/97	0	1	
ARCH0043	No	09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	10	189	A
ARCH0045	No	09503	RADIUM 226, DISSOLVED	07/16/71-09/22/81	10	65	
ARCH0068	No	09503	RADIUM 226, DISSOLVED	04/30/97-04/30/97	0	1	
ARCH0073	No	09503	RADIUM 226, DISSOLVED	01/07/97-02/18/98	1	6	
ARCH0074	No	09503	RADIUM 226, DISSOLVED	04/13/76-01/27/77	0	2	
ARCH0075	No	09503	RADIUM 226, DISSOLVED	04/13/76-04/13/76	0	1	
ARCH0080	No	09503	RADIUM 226, DISSOLVED	07/09/71-02/18/75	3	53	
ARCH0083	No	09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	10	187	A
ARCH0043	No	09504	RADIUM 226, DISSOLVED, COUNTING ERROR	06/03/68-06/01/71	2	42	
ARCH0083	No	09504	RADIUM 226, DISSOLVED, COUNTING ERROR	06/03/68-06/01/71	2	36	
ARCH0043	No	09505	RADIUM 226, SUSPENDED	07/01/68-12/02/70	2	32	
ARCH0045	No	09505	RADIUM 226, SUSPENDED	07/16/71-09/22/81	10	46	
ARCH0080	No	09505	RADIUM 226, SUSPENDED	07/09/71-10/18/72	1	39	
ARCH0083	No	09505	RADIUM 226, SUSPENDED	07/01/68-12/02/70	2	31	
ARCH0043	No	09506	RADIUM 226, SUSPENDED, COUNTING ERROR	07/01/68-12/02/70	2	32	
ARCH0083	No	09506	RADIUM 226, SUSPENDED, COUNTING ERROR	07/01/68-12/02/70	2	31	
ARCH0043	No	09507	RADIUM 226 IN SEDIMENT (PC/G OF DRY SOLIDS)	07/01/68-12/02/70	2	18	
ARCH0045	No	09507	RADIUM 226 IN SEDIMENT (PC/G OF DRY SOLIDS)	10/23/80-02/26/81	0	5	
ARCH0083	No	09507	RADIUM 226 IN SEDIMENT (PC/G OF DRY SOLIDS)	07/01/68-12/02/70	2	15	
ARCH0043	No	09508	RADIUM 226 IN SEDIMENT, COUNTING ERROR	07/01/68-12/02/70	2	18	
ARCH0083	No	09508	RADIUM 226 IN SEDIMENT, COUNTING ERROR	07/01/68-12/02/70	2	15	
ARCH0016	No	09511	RADIUM 226, DISSOLVED, RADON METHOD	08/16/85-08/16/85	0	1	
ARCH0039	No	09511	RADIUM 226, DISSOLVED, RADON METHOD	06/10/74-04/29/77	2	3	
ARCH0082	No	09511	RADIUM 226, DISSOLVED, RADON METHOD	02/26/74-04/29/77	3	9	
ARCH0151	No	09511	RADIUM 226, DISSOLVED, RADON METHOD	11/26/85-11/26/85	0	1	
ARCH0175	No	09511	RADIUM 226, DISSOLVED, RADON METHOD	06/10/85-06/10/85	0	1	
ARCH0180	No	09511	RADIUM 226, DISSOLVED, RADON METHOD	11/23/85-11/23/85	0	1	
ARCH0182	No	09511	RADIUM 226, DISSOLVED, RADON METHOD	12/13/85-12/13/85	0	1	
ARCH0034	No	11501	RADIUM 228, TOTAL	05/07/86-05/11/95	9	4	
ARCH0046	No	11501	RADIUM 228, TOTAL	03/30/95-02/18/98	2	16	
ARCH0073	No	11501	RADIUM 228, TOTAL	05/11/95-09/05/96	1	6	
ARCH0081	No	11501	RADIUM 228, TOTAL	05/01/85-02/18/98	12	17	
ARCH0176	No	11501	RADIUM 228, TOTAL	03/11/80-03/27/81	1	4	
ARCH0178	No	11501	RADIUM 228, TOTAL	10/15/81-07/30/86	4	4	
ARCH0043	No	13501	STRONTIUM 90, TOTAL	10/01/69-01/01/70	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0083	No	13501	STRONTIUM 90, TOTAL	10/01/69-01/01/70	0	2	
ARCH0043	No	13502	STRONTIUM 90, TOTAL, COUNTING ERROR	10/01/69-01/01/70	0	2	
ARCH0083	No	13502	STRONTIUM 90, TOTAL, COUNTING ERROR	10/01/69-01/01/70	0	2	
ARCH0083	No	13503	STRONTIUM 90, DISSOLVED	04/01/67-07/01/69	2	10	
ARCH0083	No	13504	STRONTIUM 90, DISSOLVED, COUNTING ERROR	04/01/67-07/01/69	2	10	
ARCH0043	No	15501	STRONTIUM 89, TOTAL	10/01/69-01/01/70	0	2	
ARCH0083	No	15501	STRONTIUM 89, TOTAL	10/01/69-01/01/70	0	2	
ARCH0043	No	15502	STRONTIUM 89, TOTAL, COUNTING ERROR	10/01/69-01/01/70	0	2	
ARCH0083	No	15502	STRONTIUM 89, TOTAL, COUNTING ERROR	10/01/69-01/01/70	0	2	
ARCH0043	No	17503	LEAD 210, DISSOLVED	04/01/67-07/01/69	2	10	
ARCH0083	No	17503	LEAD 210, DISSOLVED	01/01/68-07/01/69	1	7	
ARCH0043	No	17504	LEAD 210, DISSOLVED, COUNTING ERROR	07/01/67-07/01/69	2	9	
ARCH0083	No	17504	LEAD 210, DISSOLVED, COUNTING ERROR	01/01/68-04/01/68	0	2	
ARCH0043	No	19503	POLONIUM 210, DISSOLVED	04/01/67-07/01/69	2	10	
ARCH0083	No	19503	POLONIUM 210, DISSOLVED	01/01/68-04/01/68	0	2	
ARCH0043	No	19504	POLONIUM 210, DISSOLVED, COUNTING ERROR	07/01/67-07/01/69	2	9	
ARCH0083	No	19504	POLONIUM 210, DISSOLVED, COUNTING ERROR	01/01/68-04/01/68	0	2	
ARCH0083	No	20950	INVALID PARAMETER	12/27/68-12/27/68	0	1	
ARCH0043	No	22603	URANIUM 238, DISSOLVED, PC/L	01/01/69-07/01/69	0	3	
ARCH0043	No	22604	URANIUM 238, DISSOLVED, COUNTING ERROR	07/01/69-07/01/69	0	1	
ARCH0048	No	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	3	
ARCH0050	No	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0051	No	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0054	No	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0056	No	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0063	No	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0065	No	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0066	No	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	0	2	
ARCH0007	No	22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	0	1	
ARCH0008	No	22703	URANIUM, NATURAL, DISSOLVED	06/24/78-06/24/78	0	1	
ARCH0011	No	22703	URANIUM, NATURAL, DISSOLVED	06/27/78-06/27/78	0	1	
ARCH0016	No	22703	URANIUM, NATURAL, DISSOLVED	08/16/85-08/16/85	0	1	
ARCH0018	No	22703	URANIUM, NATURAL, DISSOLVED	06/27/78-06/27/78	0	1	
ARCH0025	No	22703	URANIUM, NATURAL, DISSOLVED	06/24/78-06/24/78	0	1	
ARCH0029	No	22703	URANIUM, NATURAL, DISSOLVED	07/01/78-07/01/78	0	1	
ARCH0032	No	22703	URANIUM, NATURAL, DISSOLVED	06/27/78-06/27/78	0	1	
ARCH0037	No	22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	0	1	
ARCH0039	No	22703	URANIUM, NATURAL, DISSOLVED	06/10/74-04/29/77	2	3	
ARCH0040	No	22703	URANIUM, NATURAL, DISSOLVED	06/25/78-06/25/78	0	1	
ARCH0041	No	22703	URANIUM, NATURAL, DISSOLVED	06/23/78-06/23/78	0	1	
ARCH0043	No	22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	9	175	A
ARCH0044	No	22703	URANIUM, NATURAL, DISSOLVED	06/25/78-06/25/78	0	1	
ARCH0045	No	22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	10	117	
ARCH0057	No	22703	URANIUM, NATURAL, DISSOLVED	07/01/78-07/01/78	0	1	
ARCH0058	No	22703	URANIUM, NATURAL, DISSOLVED	06/25/78-06/25/78	0	1	
ARCH0071	No	22703	URANIUM, NATURAL, DISSOLVED	06/23/78-06/23/78	0	1	
ARCH0072	No	22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	0	1	
ARCH0079	No	22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	0	1	
ARCH0080	No	22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	5	122	
ARCH0082	No	22703	URANIUM, NATURAL, DISSOLVED	02/26/74-04/29/77	3	9	
ARCH0083	No	22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	9	171	A
ARCH0084	No	22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	0	1	
ARCH0102	No	22703	URANIUM, NATURAL, DISSOLVED	06/22/78-06/22/78	0	1	
ARCH0104	No	22703	URANIUM, NATURAL, DISSOLVED	06/22/78-06/22/78	0	1	
ARCH0105	No	22703	URANIUM, NATURAL, DISSOLVED	06/22/78-06/22/78	0	1	
ARCH0114	No	22703	URANIUM, NATURAL, DISSOLVED	06/21/78-06/21/78	0	1	
ARCH0141	No	22703	URANIUM, NATURAL, DISSOLVED	06/26/78-06/26/78	0	1	
ARCH0147	No	22703	URANIUM, NATURAL, DISSOLVED	06/21/78-06/21/78	0	1	
ARCH0151	No	22703	URANIUM, NATURAL, DISSOLVED	11/26/85-11/26/85	0	1	
ARCH0152	No	22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	0	1	
ARCH0154	Yes	22703	URANIUM, NATURAL, DISSOLVED	06/22/78-06/22/78	0	1	
ARCH0171	Yes	22703	URANIUM, NATURAL, DISSOLVED	07/08/78-07/08/78	0	1	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0173	No	22703	URANIUM, NATURAL, DISSOLVED	07/05/78-07/05/78	0	1	
ARCH0175	No	22703	URANIUM, NATURAL, DISSOLVED	06/10/85-06/10/85	0	1	
ARCH0177	No	22703	URANIUM, NATURAL, DISSOLVED	05/22/96-05/22/96	0	1	
ARCH0180	No	22703	URANIUM, NATURAL, DISSOLVED	11/23/85-11/23/85	0	1	
ARCH0182	No	22703	URANIUM, NATURAL, DISSOLVED	12/13/85-12/13/85	0	1	
ARCH0183	No	22703	URANIUM, NATURAL, DISSOLVED	07/02/78-07/02/78	0	1	
ARCH0014	No	22708	URANIUM, NATURAL TOTAL MG/L	04/15/81-04/15/81	0	1	
ARCH0045	No	22708	URANIUM, NATURAL TOTAL MG/L	04/05/77-06/09/77	0	3	
ARCH0074	No	22708	URANIUM, NATURAL TOTAL MG/L	11/22/74-01/27/77	2	5	
ARCH0075	No	22708	URANIUM, NATURAL TOTAL MG/L	11/22/74-10/21/75	0	2	
ARCH0080	No	22708	URANIUM, NATURAL TOTAL MG/L	04/05/77-06/09/77	0	3	
ARCH0043	No	26603	THORIUM, ALPHA, DISSOLVED	04/01/67-10/01/69	2	11	
ARCH0083	No	26603	THORIUM, ALPHA, DISSOLVED	01/01/68-07/01/68	0	3	
ARCH0043	No	26604	THORIUM, ALPHA, DISSOLVED, COUNTING ERROR	07/01/67-10/01/69	2	10	
ARCH0083	No	26604	THORIUM, ALPHA, DISSOLVED, COUNTING ERROR	01/01/68-07/01/68	0	3	
ARCH0034	No	28012	URANIUM,NATURAL,TOTAL PCI/L AS U	02/16/95-02/16/95	0	1	
ARCH0046	No	28012	URANIUM,NATURAL,TOTAL PCI/L AS U	03/30/95-02/18/98	2	14	
ARCH0073	No	28012	URANIUM,NATURAL,TOTAL PCI/L AS U	09/21/95-09/05/96	0	5	
ARCH0081	No	28012	URANIUM,NATURAL,TOTAL PCI/L AS U	02/16/95-02/18/98	3	13	
ARCH0177	No	29801	ALKALINITY,WATR,DISS.,FIX END PT,LAB,AS CACO3,MG/L	05/22/96-05/22/96	0	1	
ARCH0178	No	30190	DICHLORPROP, WATER, WHOLE, RECOVERABLE UG/L	05/23/90-09/12/91	1	2	
ARCH0178	No	30192	MCPA, WATER, WHOLE, RECOVERABLE UG/L	05/23/90-09/12/91	1	2	
ARCH0178	No	30218	DICHLORVOS, WATER, WHOLE, RECOVERABLE UG/L	09/12/91-09/12/91	0	1	
ARCH0048	No	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	3	
ARCH0050	No	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0051	No	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0054	No	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0056	No	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0063	No	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0065	No	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0066	No	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0091	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0092	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0093	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0095	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0096	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0097	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0098	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0099	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0100	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0101	Yes	30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0048	No	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	3	
ARCH0050	No	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0051	No	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0054	No	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0056	No	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0063	No	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0065	No	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0066	No	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0091	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0092	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0093	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0095	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0096	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0097	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0098	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0099	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0100	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0101	Yes	30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0048	No	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	3	
ARCH0050	No	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0051	No	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0054	No	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0056	No	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0063	No	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0065	No	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0066	No	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0091	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0092	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0093	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0095	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0096	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0097	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0098	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0099	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0100	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0101	Yes	30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	0	2	
ARCH0090	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/27/84-05/05/90	5	10	
ARCH0108	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/85-04/25/90	5	8	
ARCH0109	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/85-04/25/90	5	10	
ARCH0121	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/25/85-04/24/90	4	4	
ARCH0131	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/27/84-05/03/90	5	12	
ARCH0157	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/21/84-04/24/90	5	12	
ARCH0163	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/89-05/03/90	0	2	
ARCH0165	Yes	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/27/84-08/09/89	4	10	
ARCH0001	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	05/23/90-08/07/91	1	2	
ARCH0002	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	05/23/90-08/07/91	1	2	
ARCH0005	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/80-04/29/80	0	1	
ARCH0006	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/80-04/29/81	1	2	
ARCH0009	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-03/17/77	0	8	
ARCH0015	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/81-04/29/81	0	1	
ARCH0034	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-08/10/93	17	9	
ARCH0036	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/15/77-11/08/79	2	20	
ARCH0042	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	23	158	T,S
ARCH0074	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/18/76-03/18/76	0	1	
ARCH0078	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	01/10/91-01/10/91	0	1	
ARCH0081	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	17	37	
ARCH0085	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/29/77-03/13/78	0	2	
ARCH0086	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/14/78-01/27/81	2	14	
ARCH0117	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/29/77-01/27/81	3	10	
ARCH0118	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	06/21/77-09/20/78	1	5	
ARCH0126	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/13/78-08/06/80	2	12	
ARCH0145	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/13/78-12/13/79	1	8	
ARCH0172	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	06/21/77-08/21/78	1	10	
ARCH0176	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-03/10/81	5	30	
ARCH0178	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/08/76-11/30/77	1	16	
ARCH0001	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/23/90-08/07/91	1	2	
ARCH0002	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/23/90-06/08/92	2	3	
ARCH0005	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/80-04/29/80	0	1	
ARCH0006	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/80-04/29/80	0	1	
ARCH0009	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-03/17/77	0	8	
ARCH0015	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/81-04/29/81	0	1	
ARCH0034	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-08/10/93	17	9	
ARCH0036	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/15/77-11/08/79	2	20	
ARCH0042	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	23	155	T,S
ARCH0078	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	01/10/91-01/10/91	0	1	
ARCH0081	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	17	37	
ARCH0085	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/29/77-03/13/78	0	2	
ARCH0086	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/14/78-01/27/81	2	14	
ARCH0117	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/29/77-01/27/81	3	10	
ARCH0118	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	06/21/77-09/20/78	1	5	
ARCH0126	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/13/78-08/06/80	2	12	
ARCH0145	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/13/78-12/13/79	1	8	
ARCH0172	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	06/21/77-08/21/78	1	10	
ARCH0176	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-03/10/81	5	29	
ARCH0178	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/08/76-11/30/77	1	16	
ARCH0074	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/18/76-03/18/76	0	1	
ARCH0090	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/23/86-05/05/90	4	7	
ARCH0108	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/87-04/25/90	2	5	
ARCH0109	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/87-04/25/90	2	7	
ARCH0121	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/89-04/24/90	0	3	
ARCH0131	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-05/03/90	3	8	
ARCH0157	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-04/24/90	3	9	
ARCH0163	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/15/89-05/03/90	0	2	
ARCH0165	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-04/24/90	3	7	
ARCH0177	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/74-08/25/76	1	10	
ARCH0039	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/79-09/22/81	1	19	
ARCH0177	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/17/76-06/28/95	19	86	
ARCH0001	No	31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	05/23/90-08/07/91	1	2	
ARCH0002	No	31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	05/23/90-08/07/91	1	2	
ARCH0042	No	31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	9	68	
ARCH0078	No	31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	01/10/91-01/10/91	0	1	
ARCH0177	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/17/76-06/28/95	19	88	
ARCH0177	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/74-12/16/76	2	11	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0014	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	32104	BROMOFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	32104	BROMOFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	32104	BROMOFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	32104	BROMOFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0002	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/89-08/05/99	10	12	
ARCH0177	No	32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	03/19/75-07/24/75	0	2	
ARCH0177	No	32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	03/19/75-07/24/75	0	2	
ARCH0074	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	02/11/76-03/17/76	0	2	
ARCH0042	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	01/10/91-01/10/91	0	1	
ARCH0177	No	34253	A-BHC-ALPHA DISSUG/L	05/22/96-05/22/96	0	1	
ARCH0014	No	34301	CHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34301	CHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34301	CHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34301	CHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34306	CHLORODIBROMOMETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34311	CHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34311	CHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34311	CHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34311	CHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0178	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/16/88-09/12/91	2	5	
ARCH0178	No	34356	ENDOSULFAN, BETA TOTWUG/L	09/16/88-09/12/91	2	5	
ARCH0178	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	09/16/88-09/12/91	2	5	
ARCH0178	No	34366	ENDRIN ALDEHYDE TOTWUG/L	09/16/88-09/12/91	2	5	
ARCH0014	No	34391	HEXACHLOROBUTADIENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34391	HEXACHLOROBUTADIENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34391	HEXACHLOROBUTADIENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34391	HEXACHLOROBUTADIENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34413	METHYL BROMIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34413	METHYL BROMIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34413	METHYL BROMIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34413	METHYL BROMIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34418	METHYL CHLORIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34418	METHYL CHLORIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34418	METHYL CHLORIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34418	METHYL CHLORIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0119	No	34474	SILVER WET WGTTISMG/KG	10/15/71-04/04/72	0	5	
ARCH0014	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34496	1,1-DICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34496	1,1-DICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34496	1,1-DICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34496	1,1-DICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0017	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0177	No	34653	P,P'-DDE DISSUG/L	05/22/96-05/22/96	0	1	
ARCH0178	No	34671	PCB - 1016 TOTWUG/L	09/16/88-09/12/91	2	4	
ARCH0119	No	34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/15/71-04/04/72	0	5	
ARCH0119	No	34685	ENDRIN WET WGTTISMG/KG	10/15/71-04/04/72	0	5	
ARCH0119	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/15/71-04/04/72	0	5	
ARCH0119	No	34687	HEPTACHLOR WET WGTTISMG/KG	10/15/71-04/04/72	0	5	
ARCH0014	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/18/89-09/18/89	0	1	
ARCH0017	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/18/89-09/18/89	0	1	
ARCH0022	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/18/89-09/18/89	0	1	
ARCH0069	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/18/89-09/18/89	0	1	
ARCH0014	No	34696	NAPHTHALENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	34696	NAPHTHALENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	34696	NAPHTHALENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	34696	NAPHTHALENE TOTWUG/L	09/18/89-09/18/89	0	1	
ARCH0009	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/31/76-03/31/76	0	1	
ARCH0014	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/06/78-06/06/78	0	1	
ARCH0022	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/06/78-06/06/78	0	1	
ARCH0036	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/10/77-03/15/79	1	3	
ARCH0042	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/31/76-03/15/79	2	5	
ARCH0069	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/06/78-06/06/78	0	1	
ARCH0081	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/15/78-03/15/79	0	2	
ARCH0086	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/16/79-05/16/79	0	5	
ARCH0117	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/16/79-05/16/79	0	5	
ARCH0126	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/16/79-05/16/79	0	5	
ARCH0145	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/16/79-05/16/79	0	5	
ARCH0176	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/25/78-06/26/79	1	13	
ARCH0178	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/23/90-09/12/91	1	2	
ARCH0178	No	38500	METHIOCARB WATER, TOTUG/L	09/12/91-09/12/91	0	1	
ARCH0178	No	38537	PROPOXUR WATER, TOTUG/L	09/12/91-09/12/91	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0014	No	38760	DBCP WATER, TOTUG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	38760	DBCP WATER, TOTUG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	38760	DBCP WATER, TOTUG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	38760	DBCP WATER, TOTUG/L	09/18/89-09/18/89	0	1	
ARCH0178	No	38865	OXAMYL WATER, TOTUG/L	09/12/91-09/12/91	0	1	
ARCH0177	No	38933	CHLORPYRIFOS,DISSOLVED UG/L	05/22/96-05/22/96	0	1	
ARCH0178	No	39023	PHORATE, FLAME IONIZATION, WATER SAMPLE (UG/L)	09/12/91-09/12/91	0	1	
ARCH0177	No	39025	SIMAZINE,COULSON CONDUCTIVITY,WATER SAMPLE(UG/L)	08/25/76-05/26/78	1	4	
ARCH0178	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	05/23/90-05/23/90	0	1	
ARCH0177	No	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	02/22/82-02/22/82	0	1	
ARCH0177	No	39046	SIMAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	0	1	
ARCH0178	No	39051	METHOMYL IN WHOLE WATER (UG/L)	09/12/91-09/12/91	0	1	
ARCH0178	No	39053	ALDICARB IN WHOLE WATER (UG/L)	09/12/91-09/12/91	0	1	
ARCH0178	No	39055	SIMAZINE IN WHOLE WATER (UG/L)	05/23/90-05/23/90	0	1	
ARCH0119	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/15/71-04/04/72	0	5	
ARCH0177	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/25/87-08/26/96	8	47	
ARCH0014	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	0	1	
ARCH0177	No	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	02/22/82-02/22/82	0	1	
ARCH0119	No	39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/15/71-04/04/72	0	5	
ARCH0178	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	2	5	
ARCH0178	No	39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	2	5	
ARCH0119	No	39312	P P DDD IN TISSUE WET WGT (UG/G)	10/15/71-04/04/72	0	5	
ARCH0178	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	5	5	
ARCH0119	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/15/71-04/04/72	0	5	
ARCH0177	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	19	
ARCH0178	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	2	5	
ARCH0177	No	39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	7	6	
ARCH0178	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/16/88-09/12/91	2	5	
ARCH0178	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/16/88-09/12/91	2	5	
ARCH0177	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/14/72-02/22/82	9	18	
ARCH0178	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/17/85-09/12/91	5	6	
ARCH0177	No	39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	02/24/72-05/22/96	24	6	
ARCH0177	No	39342	GAMMA-BHC(LINDANE),SUSPENDED,UG/L	04/14/72-12/07/73	1	3	
ARCH0177	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	02/24/72-11/15/79	7	6	
ARCH0177	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/14/72-02/22/82	9	19	
ARCH0178	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/16/88-09/12/91	2	5	
ARCH0177	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	02/24/72-11/15/79	7	6	
ARCH0177	No	39352	CHLORDANE(TECH MIX & METABS),DISSOLVED,UG/L	02/24/72-12/07/73	1	5	
ARCH0177	No	39353	CHLORDANE(TECH MIX & METABS),SUSPENDED,UG/L	04/14/72-12/07/73	1	4	
ARCH0177	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	19	
ARCH0177	No	39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	7	6	
ARCH0177	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	19	
ARCH0177	No	39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	7	6	
ARCH0177	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	19	
ARCH0177	No	39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	7	6	
ARCH0177	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	19	
ARCH0178	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	2	5	
ARCH0177	No	39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-05/22/96	24	6	
ARCH0177	No	39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/24/72-11/15/79	7	6	
ARCH0177	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	02/22/82-02/22/82	0	1	
ARCH0177	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	19	
ARCH0178	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	5	6	
ARCH0177	No	39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	7	6	
ARCH0177	No	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	05/20/75-02/22/82	6	13	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0177	No	39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/20/75-11/15/79	4	4	
ARCH0177	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	05/24/74-02/22/82	7	15	
ARCH0178	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	5	6	
ARCH0177	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/20/75-11/15/79	4	4	
ARCH0119	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/15/71-04/04/72	0	5	
ARCH0177	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	19	
ARCH0178	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	2	5	
ARCH0177	No	39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	7	6	
ARCH0177	No	39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	19	
ARCH0178	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	2	5	
ARCH0177	No	39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT SAMP (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT SAMP (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	02/24/72-11/15/79	7	6	
ARCH0177	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	03/18/75-02/22/82	6	14	
ARCH0178	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	5	6	
ARCH0177	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/20/75-11/15/79	4	4	
ARCH0119	No	39482	METHOXYCHLOR IN FISH - UG/KG	10/15/71-04/04/72	0	5	
ARCH0178	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	2	4	
ARCH0178	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	2	4	
ARCH0178	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	2	4	
ARCH0178	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	2	4	
ARCH0177	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	02/19/80-02/19/80	0	1	
ARCH0178	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/17/85-09/12/91	5	5	
ARCH0178	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	2	4	
ARCH0074	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	02/17/76-02/17/76	0	1	
ARCH0177	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	9	11	
ARCH0177	No	39517	PCBS IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39518	PCBS IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	1	4	
ARCH0177	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/24/72-11/15/79	7	4	
ARCH0177	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	05/16/72-02/22/82	9	17	
ARCH0178	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	09/12/91-09/12/91	0	1	
ARCH0177	No	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/20/75-11/15/79	4	4	
ARCH0177	No	39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-05/22/96	24	6	
ARCH0177	No	39533	MALATHION IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	05/16/72-12/07/73	1	3	
ARCH0177	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	05/16/72-02/22/82	9	17	
ARCH0177	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/20/75-11/15/79	4	4	
ARCH0177	No	39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-05/22/96	24	6	
ARCH0177	No	39543	PARATHION IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	05/16/72-12/07/73	1	3	
ARCH0177	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	05/16/72-02/22/82	9	17	
ARCH0178	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	09/12/91-09/12/91	0	1	
ARCH0177	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/20/75-11/15/79	4	4	
ARCH0177	No	39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-05/22/96	24	6	
ARCH0177	No	39573	DIAZINON IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	05/16/72-12/07/73	1	3	
ARCH0177	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	05/16/72-02/22/82	9	17	
ARCH0178	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/12/91-09/12/91	0	1	
ARCH0177	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/20/75-11/15/79	4	4	
ARCH0177	No	39602	METHYL PARATHION IN FILT. FRAC. WATER SAMP.(UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39603	METHYL PARATHION IN SUSP. FRAC. WATER SAMP.(UG/L)	05/16/72-12/07/73	1	3	
ARCH0177	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	02/24/76-05/26/78	2	6	
ARCH0177	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	0	1	
ARCH0177	No	39632	ATRAZINE DISSOLVED IN WATER PPB	05/22/96-05/22/96	0	1	
ARCH0177	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	02/24/72-02/22/82	9	14	
ARCH0178	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	5	6	
ARCH0177	No	39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	0	1	
ARCH0177	No	39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	4	
ARCH0177	No	39733	2,4-D IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0177	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	02/24/72-02/22/82	9	14	
ARCH0178	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	2	4	
ARCH0177	No	39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	0	1	
ARCH0177	No	39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	4	
ARCH0177	No	39743	2,4,5-T IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0178	No	39750	SEVIN IN WHOLE WATER SAMPLE (UG/L)	09/12/91-09/12/91	0	1	
ARCH0177	No	39755	MIREX, TOTAL (UG/L)	02/22/82-02/22/82	0	1	
ARCH0177	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	02/24/72-02/22/82	9	14	
ARCH0178	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	5	6	
ARCH0177	No	39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	0	1	
ARCH0177	No	39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	4	
ARCH0177	No	39763	SILVEX IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	1	5	
ARCH0178	No	39770	DACTHAL (DCPA) IN WHOLE WATER SAMPLE (UG/L)	09/16/88-05/09/89	0	2	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0119	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/15/71-04/04/72	0	5	
ARCH0177	No	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	05/20/75-02/22/82	6	13	
ARCH0177	No	39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/20/75-11/15/79	4	4	
ARCH0177	No	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	05/20/75-02/22/82	6	13	
ARCH0177	No	39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	05/20/75-11/15/79	4	4	
ARCH0178	No	46323	DELTA-BHC IN WHOLE WATER SMAPLE (UG/L)	09/16/88-09/12/91	2	5	
ARCH0177	No	46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	05/22/96-05/22/96	0	1	
ARCH0074	No	50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	10/21/75-03/24/77	1	9	
ARCH0009	No	50051	FLOW, RATE, INSTANTANEOUS MGD	03/17/77-03/17/77	0	1	
ARCH0042	No	50051	FLOW, RATE, INSTANTANEOUS MGD	01/19/78-09/30/99	21	134	T
ARCH0081	No	50051	FLOW, RATE, INSTANTANEOUS MGD	02/14/78-02/14/78	0	1	
ARCH0172	No	50051	FLOW, RATE, INSTANTANEOUS MGD	02/14/78-02/14/78	0	1	
ARCH0174	No	50051	FLOW, RATE, INSTANTANEOUS MGD	03/04/99-03/04/99	0	1	
ARCH0009	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/22/76-12/01/76	0	3	
ARCH0042	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	23	135	T,S
ARCH0047	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	0	3	
ARCH0177	No	60050	ALGAE, TOTAL (CELLS/ML)	10/22/74-09/24/81	6	22	
ARCH0001	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/07/91-08/05/99	7	9	
ARCH0002	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/07/91-08/05/99	7	34	
ARCH0010	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	01/19/92-10/04/99	7	29	
ARCH0012	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	01/19/92-04/12/99	7	28	
ARCH0015	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	05/12/95-12/02/99	4	9	
ARCH0020	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0023	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0028	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/29/99-12/21/99	0	2	
ARCH0030	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/31/97-06/24/98	0	12	
ARCH0034	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	04/29/93-12/09/99	6	25	
ARCH0035	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/24/95-12/13/99	4	20	
ARCH0042	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	09/12/91-12/09/99	8	63	
ARCH0046	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	03/30/95-02/18/98	2	17	
ARCH0068	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	12/06/95-12/06/95	0	1	
ARCH0073	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	05/11/95-02/18/98	2	13	
ARCH0081	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/18/91-12/09/99	8	46	
ARCH0086	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	05/12/95-12/13/99	4	12	
ARCH0089	Yes	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/17/91-12/08/99	8	21	
ARCH0110	Yes	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/21/91-03/23/92	0	2	
ARCH0111	Yes	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/21/91-08/23/99	8	19	
ARCH0116	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/31/97-06/25/98	0	12	
ARCH0120	Yes	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/22/91-03/24/92	0	2	
ARCH0130	Yes	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/12/91-11/28/99	8	12	
ARCH0150	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/31/97-06/25/98	0	12	
ARCH0155	Yes	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/21/91-11/28/99	8	6	
ARCH0161	Yes	61027	ANIONS, SUM, TOTAL IN WATER MG/L	03/21/92-04/28/99	7	8	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0169	Yes	61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/13/91-11/28/99	8	21	
ARCH0174	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	03/04/99-12/07/99	0	4	
ARCH0178	No	61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/18/91-12/08/99	8	66	
ARCH0042	No	61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0042	No	61291	TOLUENE, TOTAL WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0048	No	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0097	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0097	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0097	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	0	2	
ARCH0001	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/07/91-08/05/99	7	9	
ARCH0002	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/07/91-08/05/99	7	34	
ARCH0010	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	01/19/92-10/04/99	7	29	
ARCH0012	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	01/19/92-04/12/99	7	28	
ARCH0015	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	05/12/95-12/02/99	4	9	
ARCH0020	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	12/06/95-12/06/95	0	1	
ARCH0023	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	12/06/95-12/06/95	0	1	
ARCH0028	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/29/99-12/21/99	0	2	
ARCH0030	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/31/97-06/24/98	0	12	
ARCH0034	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	04/29/93-12/09/99	6	25	
ARCH0035	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/24/95-12/13/99	4	20	
ARCH0042	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	09/12/91-12/09/99	8	63	
ARCH0046	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	03/30/95-02/18/98	2	17	
ARCH0068	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	12/06/95-12/06/95	0	1	
ARCH0073	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	05/11/95-02/18/98	2	13	
ARCH0081	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/18/91-12/09/99	8	46	
ARCH0086	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	05/12/95-12/13/99	4	12	
ARCH0089	Yes	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/17/91-12/08/99	8	21	
ARCH0110	Yes	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/21/91-03/23/92	0	2	
ARCH0111	Yes	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/21/91-08/23/99	8	19	
ARCH0116	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/31/97-06/25/98	0	12	
ARCH0120	Yes	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/22/91-03/24/92	0	2	
ARCH0130	Yes	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/12/91-11/28/99	8	12	
ARCH0150	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/31/97-06/25/98	0	12	
ARCH0155	Yes	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/21/91-11/28/99	8	6	
ARCH0161	Yes	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	03/21/92-04/28/99	7	8	
ARCH0169	Yes	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/13/91-11/28/99	8	21	
ARCH0174	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	03/04/99-12/07/99	0	4	
ARCH0178	No	61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/18/91-12/08/99	8	66	
ARCH0039	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	4	54	
ARCH0082	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	4	53	
ARCH0001	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/23/90-08/05/99	9	10	
ARCH0002	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/89-08/05/99	10	12	
ARCH0003	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/11/78-06/11/78	0	1	
ARCH0004	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/11/78-06/11/78	0	1	
ARCH0005	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/27/78-04/29/81	3	3	
ARCH0009	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-03/17/77	2	9	
ARCH0010	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/30/77-10/04/99	22	31	
ARCH0012	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/21/91-04/12/99	7	31	
ARCH0013	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/85-08/15/85	0	1	
ARCH0014	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/78-02/06/90	11	6	
ARCH0015	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/27/78-12/02/99	21	11	
ARCH0016	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/85-08/16/85	0	1	
ARCH0017	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/10/84-02/06/90	5	3	
ARCH0019	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/19/68-11/19/68	0	1	
ARCH0020	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/95-12/06/95	0	1	
ARCH0021	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/85-08/16/85	0	1	
ARCH0022	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/01/64-02/06/90	25	7	

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Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0023	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/95-12/06/95	0	1	
ARCH0024	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/19/67-10/19/67	0	1	
ARCH0026	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/07/68-03/07/68	0	1	
ARCH0028	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/29/99-12/21/99	0	2	
ARCH0030	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/13/82-06/24/98	15	16	
ARCH0031	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/77-08/30/77	0	1	
ARCH0033	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/25/83-04/20/83	0	2	
ARCH0034	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-04/29/93	18	7	
ARCH0035	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/95-12/13/99	4	20	
ARCH0036	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/77-04/09/81	3	29	
ARCH0038	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/06/89-04/06/89	0	1	
ARCH0039	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-12/06/79	5	134	
ARCH0042	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	24	148	T,S
ARCH0046	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/30/95-02/18/98	2	13	
ARCH0068	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/95-12/06/95	0	1	
ARCH0069	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/78-02/06/90	11	4	
ARCH0070	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/19/67-08/15/85	17	2	
ARCH0073	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/11/95-02/18/98	2	13	
ARCH0074	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/14/76-01/27/77	0	2	
ARCH0077	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/85-08/17/85	0	1	
ARCH0078	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	23	164	T,S
ARCH0082	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-10/10/79	5	129	
ARCH0085	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/29/77-03/13/78	0	2	
ARCH0086	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/78-12/13/99	21	31	
ARCH0089	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/29/90-12/08/99	9	23	
ARCH0103	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/77-08/22/77	0	1	
ARCH0106	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/70-09/15/70	0	1	
ARCH0107	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/70-09/15/70	0	1	
ARCH0110	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/90-08/23/99	8	21	
ARCH0112	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/70-09/15/70	0	1	
ARCH0116	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/31/97-06/25/98	0	12	
ARCH0117	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/29/77-01/27/81	3	17	
ARCH0118	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/21/77-10/23/78	1	8	
ARCH0120	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/12/77-10/22/80	3	17	
ARCH0130	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/90-11/28/99	9	14	
ARCH0133	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/70-09/15/70	0	1	
ARCH0142	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/05/77-07/05/77	0	1	
ARCH0145	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/05/77-06/13/86	8	12	
ARCH0150	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/31/97-06/25/98	0	12	
ARCH0151	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/26/85-11/26/85	0	1	
ARCH0155	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/20/90-11/28/99	9	8	
ARCH0161	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/91-04/28/99	8	9	
ARCH0162	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/16/70-09/16/70	0	1	
ARCH0169	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/20/90-11/28/99	9	23	
ARCH0172	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/21/77-08/21/78	1	6	
ARCH0174	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/27/99-12/07/99	0	3	
ARCH0175	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/10/85-06/10/85	0	1	
ARCH0176	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/19/76-04/07/81	5	65	
ARCH0177	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/01/35-05/22/96	60	1110	
ARCH0178	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/28/76-12/08/99	23	215	
ARCH0180	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/23/85-11/23/85	0	1	
ARCH0181	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/17/54-04/17/54	0	1	
ARCH0182	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/13/85-12/13/85	0	1	
ARCH0019	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/19/68-11/19/68	0	1	
ARCH0024	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/19/67-10/19/67	0	1	
ARCH0026	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/07/68-03/07/68	0	1	
ARCH0039	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	5	62	
ARCH0070	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/19/67-10/19/67	0	1	
ARCH0076	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/08/58-10/08/58	0	1	
ARCH0082	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	5	61	
ARCH0106	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/15/70-09/15/70	0	1	
ARCH0133	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/15/70-09/15/70	0	1	
ARCH0134	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	0	1	
ARCH0135	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/18/79-07/18/79	0	1	
ARCH0136	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/06/80-10/08/81	1	15	
ARCH0137	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/22/79-09/27/79	0	7	
ARCH0143	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0146	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	0	1	
ARCH0148	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	0	1	
ARCH0149	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/21/79-08/14/79	0	4	
ARCH0153	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	0	1	
ARCH0156	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	0	1	
ARCH0162	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/16/70-09/16/70	0	1	
ARCH0175	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/10/85-06/10/85	0	1	
ARCH0177	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/01/28-09/03/85	56	790	
ARCH0181	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/25/33-04/24/59	25	3	
ARCH0039	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-12/06/79	5	134	
ARCH0082	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-10/10/79	5	129	
ARCH0134	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	0	1	
ARCH0135	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/18/79-07/18/79	0	1	
ARCH0136	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	02/06/80-10/08/81	1	15	
ARCH0137	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	03/22/79-09/27/79	0	7	
ARCH0143	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	0	1	
ARCH0146	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	0	1	
ARCH0148	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	0	1	
ARCH0149	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	03/21/79-08/14/79	0	4	
ARCH0153	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	0	1	
ARCH0156	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	0	1	
ARCH0177	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/28-02/24/83	54	1598	
ARCH0039	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-12/06/79	5	134	
ARCH0082	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-10/10/79	5	129	
ARCH0134	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	0	1	
ARCH0135	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/18/79-07/18/79	0	1	
ARCH0136	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/06/80-10/08/81	1	15	
ARCH0137	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/22/79-09/27/79	0	7	
ARCH0143	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	0	1	
ARCH0146	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	0	1	
ARCH0148	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	0	1	
ARCH0149	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/21/79-08/14/79	0	4	
ARCH0153	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	0	1	
ARCH0156	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	0	1	
ARCH0177	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/28-02/24/83	54	1600	
ARCH0001	No	70324	SOLIDS, VOLATILE SUSPENDED IN MIXED LIQUOR (MG/L)	05/23/90-08/05/99	9	10	
ARCH0002	No	70324	SOLIDS, VOLATILE SUSPENDED IN MIXED LIQUOR (MG/L)	05/23/90-08/05/99	9	10	
ARCH0177	No	70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	09/21/52-09/17/64	11	2	
ARCH0177	No	70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	09/21/51-09/17/64	12	18	
ARCH0177	No	70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	09/21/52-09/21/52	0	1	
ARCH0177	No	70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	09/21/51-09/17/64	12	18	
ARCH0177	No	70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	09/21/52-08/20/58	5	5	
ARCH0177	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/13/51-06/28/95	44	269	
ARCH0177	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	05/13/51-10/11/66	15	143	
ARCH0177	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	05/13/51-09/17/64	13	108	
ARCH0177	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	05/13/51-07/01/62	11	65	
ARCH0177	No	70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	05/27/54-04/18/62	7	6	
ARCH0027	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	04/30/73-09/07/76	3	14	
ARCH0177	No	70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	04/25/51-08/28/84	33	227	
ARCH0027	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	04/30/73-09/07/76	3	14	
ARCH0177	No	70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	04/25/51-08/28/84	33	387	
ARCH0177	No	70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	04/25/51-06/18/60	9	31	
ARCH0027	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	04/30/73-09/07/76	3	9	
ARCH0177	No	70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	04/25/51-08/28/84	33	357	
ARCH0177	No	70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	04/25/51-06/18/60	9	123	
ARCH0027	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	04/30/73-09/07/76	3	14	
ARCH0177	No	70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	04/25/51-09/26/84	33	224	
ARCH0027	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	04/30/73-08/01/76	3	12	
ARCH0177	No	70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	04/25/51-09/26/84	33	183	
ARCH0027	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	04/30/73-07/15/75	2	11	
ARCH0177	No	70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	04/25/51-09/26/84	33	148	
ARCH0027	No	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	05/18/73-06/04/75	2	4	
ARCH0177	No	70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	05/18/58-04/25/84	25	69	
ARCH0177	No	70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	05/17/64-04/25/84	19	9	
ARCH0177	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/21/90-06/22/92	1	12	
ARCH0177	No	70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	05/03/79-04/24/80	0	3	
ARCH0177	No	70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	06/29/78-04/24/80	1	4	
ARCH0177	No	70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	06/29/78-04/24/80	1	4	
ARCH0014	No	71830	HYDROXIDE ION (MG/L AS OH)	06/06/78-06/06/78	0	1	
ARCH0022	No	71830	HYDROXIDE ION (MG/L AS OH)	04/01/64-06/06/78	14	2	
ARCH0069	No	71830	HYDROXIDE ION (MG/L AS OH)	06/06/78-06/06/78	0	1	
ARCH0039	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/03/79-01/29/81	1	20	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0082	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/03/79-09/20/79	0	5	
ARCH0177	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/03/79-01/26/81	1	13	
ARCH0039	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/30/81-07/30/81	0	1	
ARCH0177	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/15/79-09/03/85	5	39	
ARCH0177	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/11/47-05/30/68	20	303	
ARCH0003	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/11/78-06/11/78	0	1	
ARCH0004	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/11/78-06/11/78	0	1	
ARCH0019	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/19/68-11/19/68	0	1	
ARCH0024	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/19/67-10/19/67	0	1	
ARCH0026	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/07/68-03/07/68	0	1	
ARCH0070	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/19/67-10/19/67	0	1	
ARCH0076	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/08/58-10/08/58	0	1	
ARCH0106	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/70-09/15/70	0	1	
ARCH0133	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/70-09/15/70	0	1	
ARCH0162	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/16/70-09/16/70	0	1	
ARCH0177	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/01/28-01/19/71	42	1221	
ARCH0181	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/25/33-04/24/59	25	4	
ARCH0177	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/11/38-09/14/48	9	3	
ARCH0047	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0012	No	71870	BROMIDE (MG/L AS BR)	07/21/91-07/21/91	0	1	
ARCH0177	No	71870	BROMIDE (MG/L AS BR)	10/01/63-09/20/65	1	52	
ARCH0047	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0094	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	0	3	
ARCH0024	No	71885	IRON (UG/L AS FE)	10/19/67-10/19/67	0	1	
ARCH0026	No	71885	IRON (UG/L AS FE)	03/07/68-03/07/68	0	1	
ARCH0070	No	71885	IRON (UG/L AS FE)	10/19/67-10/19/67	0	1	
ARCH0107	Yes	71885	IRON (UG/L AS FE)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	71885	IRON (UG/L AS FE)	09/15/70-09/15/70	0	1	
ARCH0133	Yes	71885	IRON (UG/L AS FE)	09/15/70-09/15/70	0	1	
ARCH0162	Yes	71885	IRON (UG/L AS FE)	09/16/70-09/16/70	0	1	
ARCH0177	No	71885	IRON (UG/L AS FE)	10/01/28-08/07/62	33	307	
ARCH0005	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/27/78-04/29/81	3	3	
ARCH0009	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/28/75-03/17/77	2	7	
ARCH0010	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/30/77-03/30/77	0	1	
ARCH0015	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/27/78-04/29/81	3	2	
ARCH0022	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/01/64-04/01/64	0	1	
ARCH0034	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/31/76-02/23/77	0	4	
ARCH0036	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/15/77-04/09/81	3	20	
ARCH0039	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/03/79-09/22/81	2	28	
ARCH0042	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/28/75-11/08/79	4	11	
ARCH0081	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/07/75-01/19/89	13	70	T
ARCH0082	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/03/79-09/20/79	0	5	
ARCH0085	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/29/77-03/13/78	0	2	
ARCH0086	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/14/78-01/27/81	2	17	
ARCH0117	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/29/77-01/27/81	3	17	
ARCH0118	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/21/77-10/23/78	1	6	
ARCH0126	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/12/77-10/22/80	3	17	
ARCH0130	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/22/91-04/22/91	0	1	
ARCH0142	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/05/77-07/05/77	0	1	
ARCH0145	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/05/77-06/13/86	8	12	
ARCH0155	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/28/91-04/28/91	0	1	
ARCH0161	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/24/91-04/24/91	0	1	
ARCH0169	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/09/91-05/09/91	0	1	
ARCH0172	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/21/77-02/14/78	0	3	
ARCH0176	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/20/76-04/07/81	4	53	
ARCH0177	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/03/79-05/20/85	6	35	
ARCH0178	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/28/76-01/19/89	12	63	
ARCH0039	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	7	88	A
ARCH0082	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/20/79	5	64	
ARCH0177	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/74-09/24/81	6	42	
ARCH0002	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/11/93-08/05/99	5	4	
ARCH0010	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/30/95-07/30/95	0	1	
ARCH0012	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/30/95-07/30/95	0	1	
ARCH0015	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/12/95-12/02/99	4	9	
ARCH0020	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/06/95-12/06/95	0	1	
ARCH0023	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/06/95-12/06/95	0	1	
ARCH0028	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/29/99-12/21/99	0	2	
ARCH0030	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/31/97-05/06/98	0	4	
ARCH0034	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	04/29/93-04/29/93	0	1	
ARCH0035	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/24/95-12/13/99	4	12	
ARCH0039	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	04/30/81-04/30/81	0	1	
ARCH0046	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	11/15/95-02/18/98	2	10	
ARCH0068	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/06/95-12/06/95	0	1	
ARCH0073	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/11/95-02/18/98	2	12	
ARCH0081	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/08/92-01/21/99	6	23	
ARCH0086	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/12/95-12/13/99	4	12	
ARCH0089	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/93-12/08/99	6	14	
ARCH0111	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/93-08/23/99	5	12	
ARCH0116	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/31/97-05/07/98	0	4	
ARCH0130	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/29/97-11/28/99	2	8	
ARCH0150	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/31/97-05/07/98	0	4	
ARCH0155	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	02/18/99-11/28/99	0	4	
ARCH0161	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/01/97-04/28/99	1	6	
ARCH0169	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/93-11/28/99	6	14	
ARCH0174	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/04/99-12/07/99	0	4	
ARCH0177	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/22/74-07/22/91	16	63	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0178	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/16/87-12/08/99	12	34	
ARCH0177	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	01/22/75-08/25/82	7	17	
ARCH0014	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/06/78-02/06/90	11	6	
ARCH0017	No	71900	MERCURY, TOTAL (UG/L AS HG)	12/10/84-02/06/90	5	3	
ARCH0022	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/06/78-02/06/90	11	6	
ARCH0039	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/26/74-03/26/74	0	2	
ARCH0046	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/11/95-02/13/97	1	5	
ARCH0047	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/05/89-10/16/89	0	2	
ARCH0048	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-10/16/89	1	7	
ARCH0049	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-09/25/88	0	2	
ARCH0050	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-10/16/89	1	7	
ARCH0051	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-10/16/89	1	8	
ARCH0052	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-07/28/88	0	1	
ARCH0053	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/05/89-10/16/89	0	2	
ARCH0054	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-10/16/89	1	8	
ARCH0055	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/05/89-10/16/89	0	2	
ARCH0056	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-10/16/89	1	6	
ARCH0059	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/89-10/16/89	0	2	
ARCH0060	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/15/88-10/16/89	1	4	
ARCH0061	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/89-10/16/89	0	2	
ARCH0062	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/15/88-10/16/89	1	3	
ARCH0064	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/13/89-10/16/89	0	3	
ARCH0065	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/15/88-10/16/89	1	3	
ARCH0066	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/15/88-10/16/89	1	3	
ARCH0067	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/15/89-08/15/89	0	1	
ARCH0069	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/06/78-02/06/90	11	4	
ARCH0074	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/11/76-02/11/76	0	1	
ARCH0081	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/29/95-02/13/97	1	4	
ARCH0082	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/26/74-03/26/74	0	2	
ARCH0091	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	0	3	
ARCH0177	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/22/75-07/22/91	16	24	
ARCH0047	No	71910	GOLD, TOTAL (UG/L AS AU)	10/05/89-10/16/89	0	2	
ARCH0048	No	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-10/16/89	1	7	
ARCH0049	No	71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-09/25/88	0	2	
ARCH0050	No	71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-10/16/89	1	7	
ARCH0051	No	71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-10/16/89	1	8	
ARCH0052	No	71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-07/28/88	0	1	
ARCH0053	No	71910	GOLD, TOTAL (UG/L AS AU)	10/05/89-10/16/89	0	2	
ARCH0054	No	71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-10/16/89	1	8	
ARCH0055	No	71910	GOLD, TOTAL (UG/L AS AU)	10/05/89-10/16/89	0	2	
ARCH0056	No	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-10/16/89	1	6	
ARCH0059	No	71910	GOLD, TOTAL (UG/L AS AU)	08/15/89-10/16/89	0	2	
ARCH0060	No	71910	GOLD, TOTAL (UG/L AS AU)	09/15/88-10/16/89	1	4	
ARCH0061	No	71910	GOLD, TOTAL (UG/L AS AU)	08/15/89-10/16/89	0	2	
ARCH0062	No	71910	GOLD, TOTAL (UG/L AS AU)	09/15/88-10/16/89	1	3	
ARCH0064	No	71910	GOLD, TOTAL (UG/L AS AU)	09/13/89-10/16/89	0	3	
ARCH0065	No	71910	GOLD, TOTAL (UG/L AS AU)	09/15/88-10/16/89	1	3	
ARCH0066	No	71910	GOLD, TOTAL (UG/L AS AU)	09/15/88-10/16/89	1	3	
ARCH0067	No	71910	GOLD, TOTAL (UG/L AS AU)	08/15/89-08/15/89	0	1	
ARCH0091	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-09/22/88	0	2	
ARCH0092	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	3	
ARCH0093	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	3	
ARCH0094	Yes	71910	GOLD, TOTAL (UG/L AS AU)	09/22/88-09/22/88	0	1	
ARCH0095	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	3	
ARCH0096	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	2	
ARCH0097	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	3	
ARCH0098	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	3	
ARCH0099	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	3	
ARCH0100	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	3	
ARCH0101	Yes	71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	0	3	
ARCH0048	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	3	
ARCH0050	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0051	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0054	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0056	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0063	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0065	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0066	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0091	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0092	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0093	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0095	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0096	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0097	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0098	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0099	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0100	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0101	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	0	2	
ARCH0119	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/15/71-04/04/72	0	5	
ARCH0119	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/15/71-04/04/72	0	5	
ARCH0119	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/15/71-04/04/72	0	5	
ARCH0119	No	71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/15/71-04/04/72	0	5	
ARCH0019	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	11/19/68-11/19/68	0	1	
ARCH0024	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	10/19/67-10/19/67	0	1	
ARCH0026	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	03/07/68-03/07/68	0	1	
ARCH0070	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	10/19/67-10/19/67	0	1	
ARCH0076	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	10/08/58-10/08/58	0	1	
ARCH0107	Yes	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	09/15/70-09/15/70	0	1	
ARCH0133	Yes	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	09/15/70-09/15/70	0	1	
ARCH0162	Yes	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	09/16/70-09/16/70	0	1	
ARCH0177	No	72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)	10/01/47-09/29/62	14	403	
ARCH0019	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	11/19/68-11/19/68	0	1	
ARCH0024	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	10/19/67-10/19/67	0	1	
ARCH0026	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	03/07/68-03/07/68	0	1	
ARCH0070	No	72005	SAMPLE SOURCE CODE (BM WELL DATA)	10/19/67-10/19/67	0	1	
ARCH0106	Yes	72005	SAMPLE SOURCE CODE (BM WELL DATA)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	72005	SAMPLE SOURCE CODE (BM WELL DATA)	09/15/70-09/15/70	0	1	
ARCH0133	Yes	72005	SAMPLE SOURCE CODE (BM WELL DATA)	09/15/70-09/15/70	0	1	
ARCH0162	Yes	72005	SAMPLE SOURCE CODE (BM WELL DATA)	09/16/70-09/16/70	0	1	
ARCH0019	No	72006	SAMPLING CONDITION CODE (BM WELL DATA)	11/19/68-11/19/68	0	1	
ARCH0024	No	72006	SAMPLING CONDITION CODE (BM WELL DATA)	10/19/67-10/19/67	0	1	
ARCH0026	No	72006	SAMPLING CONDITION CODE (BM WELL DATA)	03/07/68-03/07/68	0	1	
ARCH0070	No	72006	SAMPLING CONDITION CODE (BM WELL DATA)	10/19/67-10/19/67	0	1	
ARCH0106	Yes	72006	SAMPLING CONDITION CODE (BM WELL DATA)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	72006	SAMPLING CONDITION CODE (BM WELL DATA)	09/15/70-09/15/70	0	1	
ARCH0133	Yes	72006	SAMPLING CONDITION CODE (BM WELL DATA)	09/15/70-09/15/70	0	1	
ARCH0162	Yes	72006	SAMPLING CONDITION CODE (BM WELL DATA)	09/16/70-09/16/70	0	1	
ARCH0177	No	72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/28/84-08/28/84	0	1	
ARCH0002	No	72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	05/29/89-08/05/99	10	12	
ARCH0076	No	72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/08/58-10/08/58	0	1	
ARCH0010	No	74010	IRON, TOTAL (MG/L AS FE)	07/12/94-07/12/94	0	1	
ARCH0012	No	74010	IRON, TOTAL (MG/L AS FE)	04/04/94-07/12/94	0	2	
ARCH0014	No	74010	IRON, TOTAL (MG/L AS FE)	06/06/78-02/06/90	11	6	
ARCH0017	No	74010	IRON, TOTAL (MG/L AS FE)	12/10/84-02/06/90	5	3	
ARCH0022	No	74010	IRON, TOTAL (MG/L AS FE)	04/01/64-02/06/90	25	7	
ARCH0046	No	74010	IRON, TOTAL (MG/L AS FE)	05/11/95-02/13/97	1	5	
ARCH0069	No	74010	IRON, TOTAL (MG/L AS FE)	06/06/78-02/06/90	11	4	
ARCH0081	No	74010	IRON, TOTAL (MG/L AS FE)	06/29/95-02/13/97	1	4	
ARCH0014	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77128	STYRENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77128	STYRENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77128	STYRENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77128	STYRENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77135	O-XYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77135	O-XYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77135	O-XYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77135	O-XYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0069	No	77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77224	N-PROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77224	N-PROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77224	N-PROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77224	N-PROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77342	N-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77342	N-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77342	N-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77342	N-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	0	1	
ARCH0178	No	77825	ALACHLOR WHOLE WATER,UG/L	05/23/90-05/23/90	0	1	
ARCH0178	No	77969	CHLOROPYRIFOS IN WATER UG/L	09/12/91-09/12/91	0	1	
ARCH0178	No	78008	ENDRIN KETONE IN WATER UG/L	09/16/88-05/09/89	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0014	No	78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	0	1	
ARCH0014	No	78132	P-XYLENE IN WHOLE WATER UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	78132	P-XYLENE IN WHOLE WATER UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	78132	P-XYLENE IN WHOLE WATER UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	78132	P-XYLENE IN WHOLE WATER UG/L	09/18/89-09/18/89	0	1	
ARCH0023	No	80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	04/30/97-04/30/97	0	1	
ARCH0042	No	80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	01/10/91-01/10/91	0	1	
ARCH0068	No	80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	04/30/97-04/30/97	0	1	
ARCH0073	No	80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	01/07/97-02/18/98	1	6	
ARCH0045	No	80027	INVALID PARAMETER	02/26/81-02/26/81	0	1	
ARCH0045	No	80029	ALPHA GROSS TOTAL AS URANIUM NATURAL PC/L	10/23/80-06/25/81	0	8	
ARCH0016	No	80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	08/16/85-08/16/85	0	1	
ARCH0045	No	80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	07/30/81-09/22/81	0	3	
ARCH0151	No	80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	11/26/85-11/26/85	0	1	
ARCH0175	No	80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	06/10/85-06/10/85	0	1	
ARCH0180	No	80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	11/23/85-11/23/85	0	1	
ARCH0182	No	80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	12/13/85-12/13/85	0	1	
ARCH0016	No	80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	08/16/85-08/16/85	0	1	
ARCH0151	No	80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	11/26/85-11/26/85	0	1	
ARCH0175	No	80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	06/10/85-06/10/85	0	1	
ARCH0180	No	80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	11/23/85-11/23/85	0	1	
ARCH0182	No	80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	12/13/85-12/13/85	0	1	
ARCH0027	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	04/30/73-09/07/76	3	14	
ARCH0177	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	04/25/51-09/22/95	44	567	
ARCH0027	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	04/30/73-09/07/76	3	14	
ARCH0177	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	04/25/51-07/29/82	31	397	
ARCH0027	No	80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	03/12/73-03/12/73	0	1	
ARCH0027	No	80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	03/12/73-03/12/73	0	1	
ARCH0027	No	80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	04/14/72-03/12/73	0	2	
ARCH0027	No	80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	04/14/72-03/12/73	0	2	
ARCH0177	No	80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	09/20/76-09/20/76	0	1	
ARCH0177	No	80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	09/20/76-09/20/76	0	1	
ARCH0027	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	04/14/72-09/20/76	4	3	
ARCH0027	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	04/14/72-09/20/76	4	3	
ARCH0027	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	04/14/72-09/20/76	4	3	
ARCH0027	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	04/14/72-09/20/76	4	3	
ARCH0027	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	04/14/72-09/20/76	4	3	
ARCH0027	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	04/14/72-09/20/76	4	3	
ARCH0027	No	80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	05/18/73-05/18/73	0	1	
ARCH0177	No	80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	04/14/72-03/12/73	0	2	
ARCH0177	No	80175	BED MATERIAL SIEVE DIAMETER,% FINER THAN 128 MM	03/12/73-03/12/73	0	1	
ARCH0178	No	81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/23/90-05/23/90	0	1	
ARCH0178	No	81287	DNBP(C10H12N2O5) WHOLE WATER SAMPLE UG/L	05/23/90-09/12/91	1	2	
ARCH0023	No	81366	RADIUM-228,DISSOLVED (PC/L AS RA-228)	04/30/97-04/30/97	0	1	
ARCH0068	No	81366	RADIUM-228,DISSOLVED (PC/L AS RA-228)	04/30/97-04/30/97	0	1	
ARCH0073	No	81366	RADIUM-228,DISSOLVED (PC/L AS RA-228)	01/07/97-02/18/98	1	6	
ARCH0178	No	81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	09/12/91-09/12/91	0	1	
ARCH0014	No	81522	DIBROMOETHANE WHL WATER SMPL UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	81522	DIBROMOETHANE WHL WATER SMPL UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	81522	DIBROMOETHANE WHL WATER SMPL UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	81522	DIBROMOETHANE WHL WATER SMPL UG/L	09/18/89-09/18/89	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0014	No	81555	BROMOBENZENE WHL WATER SMPL UG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	81555	BROMOBENZENE WHL WATER SMPL UG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	81555	BROMOBENZENE WHL WATER SMPL UG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	81555	BROMOBENZENE WHL WATER SMPL UG/L	09/18/89-09/18/89	0	1	
ARCH0119	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/15/71-04/04/72	0	5	
ARCH0014	No	81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	09/18/89-09/18/89	0	1	
ARCH0017	No	81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	09/18/89-09/18/89	0	1	
ARCH0022	No	81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	09/18/89-09/18/89	0	1	
ARCH0069	No	81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	09/18/89-09/18/89	0	1	
ARCH0048	No	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	0	2	
ARCH0178	No	81888	DISULFOTON IN WHOLE WATER SAMPLE UG/L	09/12/91-09/12/91	0	1	
ARCH0007	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	0	1	
ARCH0008	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/24/78-06/24/78	0	1	
ARCH0011	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/27/78-06/27/78	0	1	
ARCH0018	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/27/78-06/27/78	0	1	
ARCH0025	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/24/78-06/24/78	0	1	
ARCH0029	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/01/78-07/01/78	0	1	
ARCH0032	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/27/78-06/27/78	0	1	
ARCH0037	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	0	1	
ARCH0040	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/25/78-06/25/78	0	1	
ARCH0041	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/23/78-06/23/78	0	1	
ARCH0044	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/25/78-06/25/78	0	1	
ARCH0057	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/01/78-07/01/78	0	1	
ARCH0058	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/25/78-06/25/78	0	1	
ARCH0071	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/23/78-06/23/78	0	1	
ARCH0072	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	0	1	
ARCH0079	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	0	1	
ARCH0084	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	0	1	
ARCH0102	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/22/78-06/22/78	0	1	
ARCH0104	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/22/78-06/22/78	0	1	
ARCH0105	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/22/78-06/22/78	0	1	
ARCH0114	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/21/78-06/21/78	0	1	
ARCH0141	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/26/78-06/26/78	0	1	
ARCH0147	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/21/78-06/21/78	0	1	
ARCH0152	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	0	1	
ARCH0154	Yes	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/22/78-06/22/78	0	1	
ARCH0171	Yes	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/08/78-07/08/78	0	1	
ARCH0173	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/05/78-07/05/78	0	1	
ARCH0183	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/02/78-07/02/78	0	1	
ARCH0047	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	10/05/89-10/16/89	0	2	
ARCH0048	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-10/16/89	1	7	
ARCH0049	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-09/25/88	0	2	
ARCH0050	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-10/16/89	1	7	
ARCH0051	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-10/16/89	1	8	
ARCH0052	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-07/28/88	0	1	
ARCH0053	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	10/05/89-10/16/89	0	2	
ARCH0054	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-10/16/89	1	8	
ARCH0055	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	10/05/89-10/16/89	0	2	
ARCH0056	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-10/16/89	1	6	
ARCH0059	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/15/89-10/16/89	0	2	
ARCH0060	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/15/88-10/16/89	1	4	
ARCH0061	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/15/89-10/16/89	0	2	
ARCH0062	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/15/88-10/16/89	1	3	
ARCH0064	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/13/89-10/16/89	0	3	
ARCH0065	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/15/88-10/16/89	1	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0066	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/15/88-10/16/89	1	3	
ARCH0067	No	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/15/89-08/15/89	0	1	
ARCH0091	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-09/22/88	0	2	
ARCH0092	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	3	
ARCH0093	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	3	
ARCH0094	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/22/88-09/22/88	0	1	
ARCH0095	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	3	
ARCH0096	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	2	
ARCH0097	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	3	
ARCH0098	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	3	
ARCH0099	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	3	
ARCH0100	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	3	
ARCH0101	Yes	82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	0	3	
ARCH0039	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/29/81-06/25/81	0	6	
ARCH0136	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	03/06/81-06/26/81	0	4	
ARCH0177	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/26/81-06/22/81	0	5	
ARCH0048	No	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	0	2	
ARCH0177	No	82183	2,4-DP (DICHLORPROP) TOTAL UG/L	02/22/82-02/22/82	0	1	
ARCH0048	No	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	0	2	
ARCH0048	No	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	0	2	
ARCH0047	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	10/05/89-10/16/89	0	2	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0048	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0048	No	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	0	2	
ARCH0047	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0099	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0048	No	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	0	2	
ARCH0047	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/22/88-09/22/88	0	1	
ARCH0095	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0047	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0048	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-10/16/89	1	7	
ARCH0049	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-09/25/88	0	2	
ARCH0050	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-10/16/89	1	7	
ARCH0051	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-10/16/89	1	8	
ARCH0052	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-07/28/88	0	1	
ARCH0053	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0054	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-10/16/89	1	8	
ARCH0055	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	10/05/89-10/16/89	0	2	
ARCH0056	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-10/16/89	1	6	
ARCH0059	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/15/89-10/16/89	0	2	
ARCH0060	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/15/88-10/16/89	1	4	
ARCH0061	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/15/89-10/16/89	0	2	
ARCH0062	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0064	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/13/89-10/16/89	0	3	
ARCH0065	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0066	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/15/88-10/16/89	1	3	
ARCH0067	No	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/15/89-08/15/89	0	1	
ARCH0091	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-09/22/88	0	2	
ARCH0092	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0093	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0094	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/22/88-09/22/88	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0095	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0096	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	2	
ARCH0097	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0098	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0099	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0100	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0101	Yes	82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	0	3	
ARCH0048	No	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	3	
ARCH0050	No	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0051	No	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0054	No	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0056	No	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0063	No	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0065	No	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0066	No	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0091	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0092	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0093	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0095	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0096	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0097	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0098	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0099	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0100	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0101	Yes	82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	0	2	
ARCH0177	No	82398	SAMPLING METHOD (CODES)	11/20/74-10/30/84	9	41	
ARCH0177	No	82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82682	DCPA, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82686	METHYL AZINPHOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0177	No	82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	0	1	
ARCH0012	No	82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0046	No	82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0130	Yes	82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/03/97-02/04/99	1	2	
ARCH0161	Yes	82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/03/97-04/03/97	0	1	
ARCH0001	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/92-04/18/95	3	8	
ARCH0012	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	3	11	
ARCH0015	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/78-04/09/81	3	16	
ARCH0042	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	14	106	T

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0086	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	11	
ARCH0089	Yes	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0118	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	09/20/78-10/23/78	0	2	
ARCH0120	Yes	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	0	1	
ARCH0130	Yes	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/78-06/13/86	7	2	
ARCH0155	Yes	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/14/78-08/21/78	0	2	
ARCH0176	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	3	50	
ARCH0178	No	82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-04/02/92	11	140	
ARCH0001	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/30/77-03/30/77	0	1	
ARCH0012	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/10/93-08/10/93	0	1	
ARCH0015	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/19/78-04/09/81	3	17	
ARCH0042	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	14	104	T
ARCH0086	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/14/78-07/20/82	4	11	
ARCH0089	Yes	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/28/90-04/10/93	2	5	
ARCH0118	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-08/21/78	1	2	
ARCH0120	Yes	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/13/78-03/13/78	0	1	
ARCH0130	Yes	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/12/77-06/13/86	8	2	
ARCH0155	Yes	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-02/14/78	0	2	
ARCH0176	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/14/78-04/07/81	3	49	
ARCH0178	No	82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	11/06/80-04/02/92	11	139	
ARCH0012	No	82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0001	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0012	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0015	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/19/78-04/09/81	2	11	
ARCH0042	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	14	104	T
ARCH0086	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	10	
ARCH0089	Yes	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0118	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-08/23/77	0	1	
ARCH0120	Yes	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	0	1	
ARCH0130	Yes	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/13/86-06/13/86	0	1	
ARCH0155	Yes	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0176	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	3	46	
ARCH0178	No	82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-04/02/92	11	140	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0001	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/92-04/18/95	3	8	
ARCH0012	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	3	11	
ARCH0015	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/19/78-04/09/81	2	11	
ARCH0042	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	14	106	T
ARCH0086	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	10	
ARCH0089	Yes	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0118	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-07/25/77	0	2	
ARCH0120	Yes	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	0	1	
ARCH0130	Yes	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	8	2	
ARCH0155	Yes	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-07/25/77	0	2	
ARCH0176	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-04/07/81	3	46	
ARCH0178	No	82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-04/02/92	11	140	
ARCH0012	No	82707	COBALT, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0001	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/77-04/18/95	18	9	
ARCH0012	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	3	11	
ARCH0015	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	12/14/77-04/09/81	3	15	
ARCH0042	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	14	108	T
ARCH0086	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	10	
ARCH0089	Yes	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0117	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-08/29/77	0	1	
ARCH0118	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-08/23/77	0	2	
ARCH0120	Yes	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-03/13/78	0	2	
ARCH0130	Yes	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	8	2	
ARCH0155	Yes	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-02/14/78	0	2	
ARCH0176	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	3	53	
ARCH0178	No	82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/24/77-04/02/92	15	141	
ARCH0001	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/27/78-04/29/80	2	2	
ARCH0009	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-03/17/77	2	7	
ARCH0010	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/30/77-04/18/95	18	9	
ARCH0012	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/21/91-04/18/95	3	11	
ARCH0015	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/13/82-12/29/82	0	4	
ARCH0031	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/30/77-08/30/77	0	1	
ARCH0033	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	02/25/83-06/15/83	0	3	
ARCH0034	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-02/23/77	2	6	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0036	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/15/77-04/09/81	3	22	
ARCH0042	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-11/08/79	4	11	
ARCH0046	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	17	128	T
ARCH0085	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/29/77-03/13/78	0	2	
ARCH0086	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/14/78-07/20/82	4	18	
ARCH0089	Yes	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/28/90-04/10/93	2	5	
ARCH0117	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/29/77-01/27/81	3	16	
ARCH0118	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	06/21/77-10/23/78	1	8	
ARCH0120	Yes	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/12/77-10/22/80	3	16	
ARCH0130	Yes	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/22/90-02/04/99	8	6	
ARCH0142	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/05/77-07/05/77	0	1	
ARCH0145	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/05/77-06/13/86	8	11	
ARCH0155	Yes	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	06/21/77-08/21/78	1	4	
ARCH0176	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	02/19/76-04/07/81	5	60	
ARCH0178	No	82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	10/28/76-04/02/92	15	153	
ARCH0001	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0012	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0015	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/19/78-04/09/81	2	11	
ARCH0042	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	14	106	T
ARCH0086	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	10	
ARCH0089	Yes	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0120	Yes	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	0	1	
ARCH0130	Yes	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/13/86-06/13/86	0	1	
ARCH0155	Yes	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0176	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-04/07/81	3	47	
ARCH0178	No	82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/24/77-04/02/92	15	141	
ARCH0001	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/77-04/18/95	18	9	
ARCH0012	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	3	11	
ARCH0015	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0031	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/30/77-08/30/77	0	1	
ARCH0033	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/78-04/09/81	3	16	
ARCH0042	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	14	111	T
ARCH0085	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-08/29/77	0	1	
ARCH0086	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	11	
ARCH0089	Yes	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0117	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-11/28/77	0	2	
ARCH0118	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-10/23/78	1	6	
ARCH0120	Yes	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0126	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-03/13/78	0	2	
ARCH0130	Yes	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	8	2	
ARCH0155	Yes	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-08/21/78	1	4	
ARCH0176	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	3	53	
ARCH0178	No	82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/24/77-04/02/92	15	141	
ARCH0001	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	3	
ARCH0012	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0015	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0031	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/30/77-08/30/77	0	1	
ARCH0033	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/18/77-04/09/81	3	14	
ARCH0042	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/15/77-11/08/79	2	3	
ARCH0046	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	14	109	T
ARCH0085	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-03/13/78	0	2	
ARCH0086	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	16	
ARCH0089	Yes	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0117	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/16/79-01/27/81	2	12	
ARCH0118	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-08/23/77	0	3	
ARCH0120	Yes	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-10/22/80	2	13	
ARCH0130	Yes	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/05/77-06/13/86	8	10	
ARCH0155	Yes	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-07/25/77	0	1	
ARCH0176	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	12/28/77-04/07/81	3	49	
ARCH0178	No	82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	09/15/77-04/02/92	14	141	
ARCH0012	No	82714	MOLYBDENUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0005	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/92-04/18/95	3	8	
ARCH0012	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	3	11	
ARCH0015	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/16/78-04/09/81	3	12	
ARCH0042	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0081	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-10/06/83	6	29	
ARCH0086	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	10	
ARCH0118	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-08/23/77	0	1	
ARCH0126	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	0	1	
ARCH0172	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-07/25/77	0	1	
ARCH0176	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-04/07/81	3	44	
ARCH0178	No	82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-10/06/83	2	65	
ARCH0001	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/77-03/30/77	0	1	
ARCH0012	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0015	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/19/78-04/09/81	2	12	
ARCH0042	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	14	105	T
ARCH0086	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	10	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0089	Yes	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0118	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-07/25/77	0	2	
ARCH0120	Yes	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	0	1	
ARCH0130	Yes	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	8	2	
ARCH0155	Yes	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-07/25/77	0	1	
ARCH0176	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-04/07/81	3	44	
ARCH0178	No	82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-04/02/92	11	140	
ARCH0081	No	82717	URANIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0178	No	82717	URANIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/15/82-10/24/91	9	3	
ARCH0012	No	82718	VANADIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0001	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	0	1	
ARCH0002	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	2	3	
ARCH0005	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	0	1	
ARCH0006	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2	
ARCH0010	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/77-04/18/95	18	9	
ARCH0012	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	3	11	
ARCH0015	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	2	
ARCH0030	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	0	4	
ARCH0033	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	0	3	
ARCH0036	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	12/14/77-04/09/81	3	15	
ARCH0042	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	0	2	
ARCH0046	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	0	1	
ARCH0078	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	0	1	
ARCH0081	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	14	108	T
ARCH0086	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	4	11	
ARCH0089	Yes	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	2	5	
ARCH0110	Yes	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	0	3	
ARCH0111	Yes	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	2	5	
ARCH0117	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-11/28/77	0	2	
ARCH0118	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-10/23/78	1	6	
ARCH0120	Yes	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	1	3	
ARCH0126	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-03/13/78	0	2	
ARCH0130	Yes	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	8	6	
ARCH0145	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	8	3	
ARCH0155	Yes	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	1	4	
ARCH0161	Yes	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	5	3	
ARCH0169	Yes	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	2	5	
ARCH0172	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-08/21/78	1	4	
ARCH0176	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	3	52	
ARCH0178	No	82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/24/77-04/02/92	15	139	
ARCH0012	No	82725	BORON, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	0	1	
ARCH0013	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	08/15/85-08/15/85	0	1	
ARCH0016	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	08/16/85-08/16/85	0	1	
ARCH0019	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/19/68-11/19/68	0	1	
ARCH0021	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	08/16/85-08/16/85	0	1	
ARCH0024	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	10/19/67-10/19/67	0	1	
ARCH0026	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	03/07/68-03/07/68	0	1	
ARCH0070	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	10/19/67-08/15/85	17	2	
ARCH0106	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/15/70-09/15/70	0	1	
ARCH0135	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/18/79-07/18/79	0	1	
ARCH0137	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/27/79-09/27/79	0	1	
ARCH0143	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/17/79-07/17/79	0	1	
ARCH0146	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/17/79-07/17/79	0	1	
ARCH0149	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	08/14/79-08/14/79	0	1	
ARCH0151	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/26/85-11/26/85	0	1	
ARCH0153	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/17/79-07/17/79	0	1	
ARCH0156	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/17/79-07/17/79	0	1	
ARCH0162	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/16/70-09/16/70	0	1	
ARCH0175	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/10/85-06/10/85	0	1	
ARCH0180	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	11/23/85-11/23/85	0	1	
ARCH0181	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	10/25/33-04/24/59	25	4	
ARCH0182	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	12/13/85-12/13/85	0	1	
ARCH0013	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	08/15/85-08/15/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 10/01/28 To 12/21/99

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
ARCH0016	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	08/16/85-08/16/85	0	1	
ARCH0019	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/19/68-11/19/68	0	1	
ARCH0021	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	08/16/85-08/16/85	0	1	
ARCH0024	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	10/19/67-10/19/67	0	1	
ARCH0026	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	03/07/68-03/07/68	0	1	
ARCH0070	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	10/19/67-08/15/85	17	2	
ARCH0106	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/15/70-09/15/70	0	1	
ARCH0107	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/15/70-09/15/70	0	1	
ARCH0112	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/15/70-09/15/70	0	1	
ARCH0135	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/18/79-07/18/79	0	1	
ARCH0137	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/27/79-09/27/79	0	1	
ARCH0143	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/17/79-07/17/79	0	1	
ARCH0146	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/17/79-07/17/79	0	1	
ARCH0149	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	08/14/79-08/14/79	0	1	
ARCH0151	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/26/85-11/26/85	0	1	
ARCH0153	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/17/79-07/17/79	0	1	
ARCH0156	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/17/79-07/17/79	0	1	
ARCH0162	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/16/70-09/16/70	0	1	
ARCH0175	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/10/85-06/10/85	0	1	
ARCH0180	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	11/23/85-11/23/85	0	1	
ARCH0181	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	10/25/33-04/24/59	25	4	
ARCH0182	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	12/13/85-12/13/85	0	1	
ARCH0119	No	84007	ANATOMY ALPHA CODE	10/15/71-04/04/72	0	5	
ARCH0119	No	84008	LIFE STYLE/HABITAT OF THEINDIVIDUALS IN THE SAMPLE	10/15/71-04/04/72	0	5	

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

Station-By-Station Results

Station Inventory for Station: ARCH0001

NPS Station ID: ARCH0001
LAT/LON: 38.479443/-109.422777
Agency: 21UTAH
Date Created: 11/03/90
Location: MILL CREEK AB KENS LAKE
FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: TYPA/AMBNT/STREAM 9
STORET Station ID(s): 595853
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 1.00
On/Off RF1:
RF3 Index: 14030005001700.00
RF3 Mile Point: 3.64
Distance from RF3: 0.20
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/89-08/05/99	11	15.2	14.95	20.1	10.4	11.081	3.329	10.42	12.6	17.9	19.92
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/90-05/23/90	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/29/89-06/24/99	9	7.	12.133	29.2	2.	80.46	8.97	2.	5.5	19.	29.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/29/89-05/29/89	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/29/89-08/05/99	11	168.	161.636	197.	55.	1646.055	40.572	70.8	154.	191.	196.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/29/89-05/29/89	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/29/89-08/05/99	11	8.	7.686	8.7	5.8	0.878	0.937	5.96	6.9	8.4	8.68
00335	COD, .025N K2CR2O7 MG/L	05/29/89-05/29/89	1 ##	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/29/89-05/29/89	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/29/89-05/29/89	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/89-05/29/89	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	05/29/89-05/29/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/29/89-08/05/99	11	8.3	8.375	8.9	8.	0.077	0.277	8.04	8.2	8.52	8.88
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/29/89-08/05/99	11	8.3	8.307	8.9	8.	0.082	0.286	8.04	8.2	8.52	8.88
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/89-08/05/99	11	0.005	0.005	0.01	0.001	0.	0.003	0.001	0.003	0.006	0.009
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/29/89-05/29/89	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/29/89-05/29/89	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/29/89-05/29/89	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	05/23/90-08/05/99	10	28.5	50.07	150.	0.2	3295.916	57.41	0.33	3.375	98.5	149.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/29/89-08/05/99	10	54.5	62.84	158.8	11.2	3075.98	55.462	11.28	12.6	104.5	158.02
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/89-08/05/99	11 ##	0.025	0.042	0.15	0.025	0.001	0.038	0.025	0.025	0.046	0.133
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/29/89-05/29/89	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/29/89-05/29/89	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/89-08/07/91	3	0.1	0.257	0.62	0.05	0.1	0.316	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-08/05/99	10	0.107	0.149	0.412	0.01	0.019	0.138	0.015	0.06	0.196	0.41
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/89-08/05/99	10	0.028	0.173	1.376	0.01	0.18	0.424	0.011	0.025	0.066	1.251
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-08/05/99	8	0.015	0.019	0.056	0.005	0.	0.017	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/29/89-05/29/89	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/89-05/29/89	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/29/89-05/29/89	1	87.9	87.9	87.9	87.9	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/29/89-05/29/89	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/29/89-05/29/89	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/29/89-05/29/89	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/29/89-05/29/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/29/89-05/29/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/29/89-05/29/89	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	05/29/89-05/29/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	05/23/90-08/07/91	2	150.	150.	300.	0.	45000.	212.132	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: ARCH0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	05/23/90-08/07/91	2	1.239	1.239	2.477	0.	3.068	1.752	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			17.321								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/23/90-08/07/91	2	905.	905.	1800.	10.	1602050.	1265.721	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/23/90-08/07/91	2	2.128	2.128	3.255	1.	2.543	1.595	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			134.164								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	05/23/90-08/07/91	2	4310.	4310.	8600.	20.	36808200.	6066.976	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	05/23/90-08/07/91	2	2.618	2.618	3.934	1.301	3.468	1.862	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			414.729								
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/07/91-08/05/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/07/91-08/05/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/23/90-08/05/99	10	103.	111.4	202.	82.	1124.489	33.533	82.8	94.5	114.5	193.4
70324	SOLIDS, VOLATILE SUSPENDED IN MIXED LIQUOR (MG/L)	05/23/90-08/05/99	10	8.	12.	54.	4.5	224.389	14.98	4.5	4.875	11.	49.7
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	05/29/89-05/29/89	1	0.092	0.092	0.092	0.092	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	05/29/89-05/29/89	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1	26.	26.	26.	26.	0.	0.	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/29/89-05/29/89	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	5	0	0.00				2	0	0.00	4	0	0.00
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	11	0	0.00	5	0	0.00				2	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00				2	0	0.00	4	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.	10	0	0.00	5	0	0.00				1	0	0.00	4	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00	1	0	0.00				1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	1	0.50	1	1	1.00				1	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	1	0	0.00							1	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	1	0	0.00							1	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0001

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
82719 ZINC, FIELD ACIDIFIED, DECANTED, WATER	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: ARCH0002

NPS Station ID: ARCH0002
LAT/LON: 38.483610/-109.430277
Agency: 21UTAH
Date Created: 11/03/90
Location: KENS LAKE 001 AB DAM
FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 595850
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 10.50
On/Off RF1:
RF3 Index: 14030005005200.00
RF3 Mile Point: 0.00
Distance from RF3: 0.13
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/89-08/05/99	45	18.6	18.067	25.	10.6	14.705	3.835	12.36	15.25	21.05	22.84
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/90-06/08/92	5	25.	25.4	27.	25.	0.8	0.894	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/29/89-08/05/99	15	3.6	13.287	87.	0.941	548.15	23.413	0.946	1.07	16.	57.
00078	TRANSPARENCY, SECCHI DISC (METERS)	05/29/89-08/05/99	11	2.8	2.533	4.9	0.2	2.143	1.464	0.352	1.2	3.7	4.68
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/29/89-08/05/99	44	197.5	202.5	311.	97.	959.512	30.976	174.	190.75	212.75	236.5
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/29/89-08/05/99	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	05/29/89-08/05/99	44	7.2	6.5	8.8	1.1	3.042	1.744	4.15	5.6	7.7	8.
00335	COD, .025N K2CR2O7 MG/L	05/29/89-08/02/89	6 ##	7.	8.5	16.	7.	13.5	3.674	**	**	**	**
00400	PH (STANDARD UNITS)	05/29/89-08/05/99	11	8.	8.078	8.59	7.8	0.078	0.279	7.8	7.8	8.32	8.562
00400	CONVERTED PH (STANDARD UNITS)	05/29/89-08/05/99	11	8.	8.008	8.59	7.8	0.083	0.288	7.8	7.8	8.32	8.562
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/89-08/05/99	11	0.01	0.01	0.016	0.003	0.	0.005	0.003	0.005	0.016	0.016
00405	CARBON DIOXIDE (MG/L AS CO2)	05/29/89-08/05/99	11	1.	1.273	2.	0.	0.418	0.647	0.2	1.	2.	2.
00406	PH, FIELD, STANDARD UNITS SU	05/29/89-08/05/99	44	8.3	8.323	9.2	7.3	0.172	0.414	7.8	8.1	8.6	8.85
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/29/89-08/05/99	44	8.3	8.123	9.2	7.3	0.213	0.461	7.8	8.1	8.6	8.85
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/89-08/05/99	44	0.005	0.008	0.05	0.001	0.	0.009	0.001	0.003	0.008	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/29/89-08/05/99	15	87.	86.533	115.	75.	86.552	9.303	76.2	81.	90.	100.6
00440	BICARBONATE ION (MG/L AS HCO3)	05/29/89-08/05/99	11	106.	104.	111.	92.	38.8	6.229	93.2	99.	110.	111.
00445	CARBONATE ION (MG/L AS CO3)	05/29/89-08/05/99	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00510	RESIDUE, TOTAL FIXED (MG/L)	05/23/90-08/22/95	6 ##	1.5	1.254	1.5	0.025	0.363	0.602	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/29/89-08/05/99	12 ##	2.	6.958	34.	1.5	132.975	11.531	1.5	1.625	3.5	32.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/89-08/05/99	44 ##	0.025	0.032	0.081	0.025	0.	0.014	0.025	0.025	0.025	0.056
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/29/89-08/02/89	6 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/29/89-08/02/89	6	0.02	0.077	0.21	0.01	0.009	0.092	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/29/89-08/07/91	14 ##	0.075	0.127	0.3	0.05	0.01	0.098	0.05	0.05	0.208	0.3
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-08/05/99	38 ##	0.037	0.04	0.17	0.005	0.001	0.034	0.01	0.01	0.057	0.072
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/89-08/05/99	37	0.014	0.022	0.095	0.005	0.	0.022	0.005	0.005	0.029	0.054
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-08/05/99	31 ##	0.005	0.028	0.678	0.005	0.015	0.121	0.005	0.005	0.01	0.01
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/29/89-08/02/89	6 ##	0.003	0.006	0.014	0.003	0.	0.005	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/89-08/02/89	6	2.25	2.35	3.1	1.6	0.355	0.596	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/29/89-08/05/99	17	99.2	98.312	112.	81.3	72.431	8.511	83.94	92.95	105.25	110.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/29/89-08/05/99	17	31.	30.676	35.	25.	7.494	2.738	25.8	29.	33.	34.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/29/89-08/05/99	17	5.2	5.291	6.	4.6	0.224	0.474	4.704	4.9	5.755	6.
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/29/89-08/05/99	14	3.09	3.091	4.	2.47	0.199	0.446	2.535	2.798	3.15	4.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/29/89-08/05/99	15	1.	0.867	2.	0.5	0.182	0.427	0.5	0.5	1.1	1.52
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/29/89-08/05/99	15 ##	0.5	3.407	20.	0.1	45.873	6.773	0.19	0.5	2.1	20.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/29/89-08/05/99	15	18.165	17.428	28.	5.	46.666	6.831	8.	11.88	24.	26.8
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/23/90-08/07/91	4	7.55	7.35	8.7	5.6	1.737	1.318	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/11/93-08/05/99	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/05/99-08/05/99	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/11/93-08/05/99	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/05/99-08/05/99	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/11/93-08/05/99	4 ##	6.	7.	10.	6.	4.	2.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/05/99-08/05/99	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/11/93-08/05/99	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/05/99-08/05/99	1	320.	320.	320.	320.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	08/05/99-08/05/99	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/05/99-08/05/99	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/05/99-08/05/99	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/11/93-08/05/99	4 ##	0.5	0.625	1.	0.5	0.063	0.25	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/02/89-08/07/91	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	05/23/90-08/07/91	2	2.	2.	4.	0.	8.	2.828	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	05/23/90-08/07/91	2	0.301	0.301	0.602	0.	0.181	0.426	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/23/90-06/08/92	3	24.	43.	100.	5.	2527.	50.269	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	05/23/90-06/08/92	3	1.38	1.36	2.	0.699	0.423	0.651	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			22.894								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	05/23/90-08/07/91	2	388.	388.	736.	40.	242208.	492.146	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	05/23/90-08/07/91	2	2.234	2.234	2.867	1.602	0.8	0.894	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			171.581								
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	05/29/89-08/05/99	12	2.45	4.858	31.8	1.1	73.624	8.58	1.1	1.225	4.	23.76
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/07/91-08/05/99	34	0.	20.765	86.	0.	1097.458	33.128	0.	0.	57.75	77.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/07/91-08/05/99	34	0.	13.294	43.	0.	338.032	18.386	0.	0.	37.	40.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/02/89-08/05/99	12	120.	126.667	156.	98.	338.424	18.396	102.8	114.	147.5	154.8
70324	SOLIDS, VOLATILE SUSPENDED IN MIXED LIQUOR (MG/L)	05/23/90-08/05/99	10	3.75	3.5	6.	2.	2.167	1.472	2.	2.	4.5	5.85
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/11/93-08/05/99	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
72015	DEPTH TO TOP OF SAMPLE INTERVAL (FT BELOW LSD)	05/29/89-08/05/99	12	14.75	14.617	18.9	5.	13.807	3.716	7.04	13.7	17.875	18.63
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/02/89-08/07/91	3	0.14	0.143	0.18	0.11	0.001	0.035	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/02/89-08/07/91	3	0.38	0.353	0.53	0.15	0.037	0.191	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3	170.	135.667	210.	27.	9256.333	96.21	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/02/89-08/07/91	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	15	1	0.07	8	1	0.13				3	0	0.00	4	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	44	3	0.07	20	3	0.15				8	0	0.00	16	0	0.00
00400	PH	Fresh Chronic	9.	11	0	0.00	6	0	0.00				3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	6	0	0.00				3	0	0.00	2	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	44	3	0.07	20	3	0.15				8	0	0.00	16	0	0.00
		Other-Lo Lim.	6.5	44	0	0.00	20	0	0.00				8	0	0.00	16	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	6	0	0.00	2	0	0.00				4	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	6	0	0.00	2	0	0.00				4	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	38	0	0.00	18	0	0.00				4	0	0.00	16	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	15	0	0.00	8	0	0.00				3	0	0.00	4	0	0.00
		Drinking Water	250.	15	0	0.00	8	0	0.00				3	0	0.00	4	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	15	0	0.00	8	0	0.00				3	0	0.00	4	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	50.	4	0	0.00	3	0	0.00							1	0	0.00

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

EPA Water Quality Criteria Analysis for Station: ARCH0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	5.	4	0	0.00	3	0	0.00							1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	1300.	4	0	0.00	3	0	0.00							1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	15.	4	0	0.00	3	0	0.00							1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	50.	4	0	0.00	3	0	0.00							1	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	50.	3	0	0.00	2	0	0.00				1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00	1	0	0.00				1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00	3	0	0.00							1	0	0.00
		Drinking Water	2.	4	0	0.00	3	0	0.00							1	0	0.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	50.	3	0	0.00	2	0	0.00				1	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	3	0	0.00	2	0	0.00				1	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5.	3	0	0.00	2	0	0.00				1	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	1300.	3	0	0.00	2	0	0.00				1	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	15.	3	0	0.00	2	0	0.00				1	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	2.	3	0	0.00	2	0	0.00				1	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	5000.	3	0	0.00	2	0	0.00				1	0	0.00			

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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/89-08/05/99	20	20.7	20.775	23.7	17.4	4.095	2.024	17.9	19.125	22.5	23.08
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/29/89-08/05/99	20	196.	197.75	257.	97.	1047.355	32.363	181.	185.25	208.75	249.2
00300	OXYGEN, DISSOLVED MG/L	05/29/89-08/05/99	20	6.35	5.75	8.	1.1	4.018	2.005	1.85	4.525	7.2	7.77
00406	PH, FIELD, STANDARD UNITS SU	05/29/89-08/05/99	20	8.35	8.35	9.2	7.3	0.291	0.539	7.52	7.925	8.775	9.18
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/29/89-08/05/99	20	8.347	8.042	9.2	7.3	0.391	0.625	7.52	7.925	8.775	9.18
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/89-08/05/99	20	0.004	0.009	0.05	0.001	0.	0.012	0.001	0.002	0.012	0.03
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/89-08/05/99	20 ##	0.025	0.033	0.081	0.025	0.	0.016	0.025	0.025	0.044	0.059
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-08/05/99	18 ##	0.01	0.034	0.17	0.005	0.002	0.042	0.01	0.01	0.05	0.098
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/89-08/05/99	16	0.017	0.027	0.083	0.005	0.001	0.025	0.005	0.005	0.045	0.078
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-08/05/99	14 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/29/89-08/05/99	10	98.7	97.59	112.	81.3	96.45	9.821	81.63	90.225	104.85	111.75
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/29/89-08/05/99	10	31.05	30.57	35.	25.	10.569	3.251	25.1	28.25	33.25	34.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/29/89-08/05/99	10	5.095	5.18	6.	4.6	0.226	0.476	4.62	4.8	5.475	6.
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/07/91-08/05/99	18	0.	23.333	86.	0.	1191.412	34.517	0.	0.	61.25	80.6
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/07/91-08/05/99	18	0.	16.667	43.	0.	373.882	19.336	0.	0.	37.25	40.3

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/89-08/05/99	8	16.	14.925	16.7	11.1	4.754	2.18	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/29/89-08/05/99	8	229.5	228.75	311.	186.	1370.5	37.02	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/29/89-08/05/99	8	7.75	7.838	8.2	7.7	0.04	0.2	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/29/89-08/05/99	8	8.25	8.312	8.6	8.2	0.024	0.155	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/29/89-08/05/99	8	8.247	8.291	8.6	8.2	0.025	0.157	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/89-08/05/99	8	0.006	0.005	0.006	0.003	0.	0.002	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/89-08/05/99	8 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-08/05/99	4	0.059	0.06	0.063	0.057	0.	0.003	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/89-08/05/99	8	0.026	0.022	0.032	0.006	0.	0.009	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-08/05/99	4 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/29/89-08/05/99	3	107.	104.667	107.	100.	16.333	4.041	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/29/89-08/05/99	3	33.	32.333	33.	31.	1.333	1.155	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/29/89-08/05/99	3	6.	5.833	6.	5.5	0.083	0.289	**	**	**	**

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/29/89-08/05/99	17	15.5	16.359	25.	10.6	16.293	4.036	11.4	13.35	20.5	21.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/29/89-08/05/99	16	197.5	195.313	231.	161.	331.696	18.213	165.2	190.75	201.	221.2
00300	OXYGEN, DISSOLVED MG/L	05/29/89-08/05/99	16	7.3	6.769	8.8	4.2	1.832	1.353	4.34	5.925	7.65	8.24
00406	PH, FIELD, STANDARD UNITS SU	05/29/89-08/05/99	16	8.35	8.294	8.7	7.6	0.11	0.332	7.81	8.025	8.6	8.63
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/29/89-08/05/99	16	8.347	8.166	8.7	7.6	0.127	0.357	7.81	8.025	8.6	8.63
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/89-08/05/99	16	0.004	0.007	0.025	0.002	0.	0.006	0.002	0.003	0.009	0.016
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/29/89-08/05/99	16 ##	0.025	0.033	0.065	0.025	0.	0.015	0.025	0.025	0.045	0.063
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-08/05/99	16 ##	0.045	0.042	0.11	0.01	0.001	0.027	0.01	0.015	0.05	0.082
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/29/89-08/05/99	13 ##	0.01	0.017	0.095	0.005	0.001	0.024	0.005	0.005	0.019	0.066
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-08/05/99	13 ##	0.005	0.059	0.678	0.005	0.035	0.186	0.005	0.005	0.01	0.411
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/29/89-08/05/99	4	93.8	95.35	103.5	90.3	32.243	5.678	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/29/89-08/05/99	4	29.	29.7	32.4	28.4	3.32	1.822	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/29/89-08/05/99	4	5.2	5.16	5.51	4.73	0.104	0.322	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/07/91-08/05/99	16	0.	17.875	84.	0.	1047.317	32.362	0.	0.	42.75	77.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/07/91-08/05/99	16	0.	9.5	42.	0.	290.933	17.057	0.	0.	25.5	39.2

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

Station Inventory for Station: ARCH0003

NPS Station ID: ARCH0003 | LAT/LON: 38.494615/-109.563116 | Agency: 11NPSWRD | Date Created: 08/02/99
Location: PRITCHETT CANYON SPRING #2 | FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): CANY_NPS_02
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TROUGH SPRINGS CANYON UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT HUNTER CANYON SPRING #2 OUTSIDE ARCHES NATIONAL PARK. THE SITE IS IDENTIFIED AS PRITCHETT CANYON SPRING #2 IN THE REPORT "GROUND WATER RESOURCES IN THE PART OF CANYONLANDS NATIONAL PARK EAST OF THE COLORADO RIVER AND CONTIGUOUS BUREAU OF LAND MANAGEMENT LANDS; UTAH" BY H.R. RICHTER; JR.(APRIL 1980). "THE PURPOSE OF THE REPORT IS "(1) DESCRIBE THE OCCURRENCE AND CIRCULA- TION OF GROUND WATER AND (2) IDENTIFY POTENTIALLY DEVELOPABLE GROUND WATER SUPPLIES." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT CANYONLANDS NATIONAL PARK; 2282 S. WEST RESOURCE BLVD.; MOAB UT 84532 (TEL. 801-259-7164). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/78-06/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	06/11/78-06/11/78	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/78-06/11/78	1	507.	507.	507.	507.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/78-06/11/78	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/78-06/11/78	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/78-06/11/78	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/11/78-06/11/78	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/11/78-06/11/78	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/11/78-06/11/78	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/11/78-06/11/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/11/78-06/11/78	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/11/78-06/11/78	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/11/78-06/11/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/11/78-06/11/78	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/11/78-06/11/78	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/11/78-06/11/78	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/11/78-06/11/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/11/78-06/11/78	1	282.	282.	282.	282.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/11/78-06/11/78	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00										1	0	0.00

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

Station Inventory for Station: ARCH0004

NPS Station ID: ARCH0004
LAT/LON: 38.495643/-109.572699
Agency: 11NPSWRD
Date Created: 08/02/99
Location: PRITCHETT CANYON SPRING #1
FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): CANY_NPS_01
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE TROUGH SPRINGS CANYON UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT HUNTER CANYON SPRING #1 OUTSIDE ARCHES NATIONAL PARK. THE SITE IS IDENTIFIED AS PRITCHETT CANYON SPRING #1 IN THE REPORT "GROUND WATER RESOURCES IN THE PART OF CANYONLANDS NATIONAL PARK EAST OF THE COLORADO RIVER AND CONTIGUOUS BUREAU OF LAND MANAGEMENT LANDS; UTAH" BY H.R. RICHTER; JR.(APRIL 1980). "THE PURPOSE OF THE REPORT IS "(1) DESCRIBE THE OCCURRENCE AND CIRCULA- TION OF GROUND WATER AND (2) IDENTIFY POTENTIALLY DEVELOPABLE GROUND WATER SUPPLIES." FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT CANYONLANDS NATIONAL PARK; 2282 S. WEST RESOURCE BLVD.; MOAB UT 84532 (TEL. 801-259-7164). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/11/78-06/11/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/11/78-06/11/78	1	1540.	1540.	1540.	1540.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/11/78-06/11/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/11/78-06/11/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/11/78-06/11/78	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/11/78-06/11/78	1	270.	270.	270.	270.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/11/78-06/11/78	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/11/78-06/11/78	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/11/78-06/11/78	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/11/78-06/11/78	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/11/78-06/11/78	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/11/78-06/11/78	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/11/78-06/11/78	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/11/78-06/11/78	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/11/78-06/11/78	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/11/78-06/11/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/11/78-06/11/78	1	868.	868.	868.	868.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/11/78-06/11/78	1	5.3	5.3	5.3	5.3	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: ARCH0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	1	1.00										1	1	1.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00										1	0	0.00

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

Station Inventory for Station: ARCH0005

NPS Station ID: ARCH0005
LAT/LON: 38.503833/-109.602667
Agency: 21UTAH
Date Created: 03/24/79
Location: KANE CANYON CK AT MINE ROAD XING
FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495598
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005009
RF1 Mile Point: 0.290
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 14030005000900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/29/80-04/29/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/29/80-04/29/80	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/29/80-04/29/80	1	470.	470.	470.	470.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/29/80-04/29/80	1	800.	800.	800.	800.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/29/80-04/29/80	1	1245.	1245.	1245.	1245.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/29/80-04/29/80	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/29/80-04/29/80	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/29/80-04/29/80	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	04/29/80-04/29/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/29/80-04/29/80	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/29/80-04/29/80	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/80-04/29/80	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/29/80-04/29/80	1	213.	213.	213.	213.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/29/80-04/29/80	1	256.	256.	256.	256.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/29/80-04/29/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/29/80-04/29/80	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/80-04/29/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/29/80-04/29/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/29/80-04/29/80	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/80-04/29/80	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/29/80-04/29/80	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/80-04/29/80	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/80-04/29/80	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/29/80-04/29/80	1	430.	430.	430.	430.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/29/80-04/29/80	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/29/80-04/29/80	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/29/80-04/29/80	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/29/80-04/29/80	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/29/80-04/29/80	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/29/80-04/29/80	1	293.	293.	293.	293.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/29/80-04/29/80	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/29/80-04/29/80	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	04/29/80-04/29/80	1	175.	175.	175.	175.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	04/29/80-04/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	04/29/80-04/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/80-04/29/80	1	230.	230.	230.	230.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/80-04/29/80	1	2.362	2.362	2.362	2.362	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			230.								

** - Less than 9 observations ## - 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: ARCH0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/80-04/29/80	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/80-04/29/80	1 ##	1.061	1.061	1.061	1.061	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			11.5								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/29/80-04/29/80	1	792.	792.	792.	792.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/29/80-04/29/80	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	04/29/80-04/29/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1	13.	13.	13.	13.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	04/29/80-04/29/80	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1	70.	70.	70.	70.	0.	0.	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1	55.	55.	55.	55.	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/29/80-04/29/80	1	12.	12.	12.	12.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	1	1.00							1	1	1.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	1	1.00							1	1	1.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00							1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	1	0	0.00							1	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	1	0	0.00							1	0	0.00			
		Drinking Water	5.	1	0	0.00							1	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	1	0	0.00							1	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	1	0	0.00							1	0	0.00			
		Drinking Water	1300.	1	0	0.00							1	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	0	0.00							1	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	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: ARCH0006

NPS Station ID: ARCH0006
LAT/LON: 38.509333/-109.596333
Agency: 21UTAH
Date Created: 03/24/79
Location: HUNTER CANYON CK AT MOUTH
FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495596
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005012
RF1 Mile Point: 0.200
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 14030005000800.00
RF3 Mile Point: 0.05
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/78-04/29/81	3	21.	20.833	25.	16.5	18.083	4.252	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/27/78-04/29/81	3	0.3	0.5	1.	0.2	0.19	0.436	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/27/78-04/29/81	3	2.1	3.533	7.5	1.	12.103	3.479	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/27/78-04/29/81	3	960.	1136.667	1600.	850.	164033.333	405.01	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/78-04/29/81	3	1000.	1170.	1600.	910.	140700.	375.1	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/27/78-04/29/81	3	10.5	9.867	11.2	7.9	3.023	1.739	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/29/80-04/29/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/29/80-04/29/81	2 ##	11.25	11.25	15.	7.5	28.125	5.303	**	**	**	**
00400	PH (STANDARD UNITS)	03/27/78-03/27/78	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/27/78-03/27/78	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/27/78-03/27/78	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	03/27/78-04/29/81	4	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/29/80-04/29/81	2	8.45	8.45	8.5	8.4	0.005	0.071	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/29/80-04/29/81	2	8.447	8.447	8.5	8.4	0.005	0.071	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/80-04/29/81	2	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/27/78-04/29/81	3	239.	233.	244.	216.	223.	14.933	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/27/78-04/29/81	3	292.	282.	298.	256.	516.	22.716	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/29/80-04/29/80	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/27/78-04/29/80	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/80-04/29/81	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/78-04/29/81	3 ##	0.025	0.023	0.025	0.02	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/27/78-04/29/81	3	0.025	0.065	0.15	0.02	0.005	0.074	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/80-04/29/81	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/29/80-04/29/81	2	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/80-04/29/81	2 ##	0.03	0.03	0.05	0.01	0.001	0.028	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/80-04/29/81	2	6.35	6.35	10.9	1.8	41.405	6.435	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/27/78-04/29/81	3	272.	274.667	290.	262.	201.333	14.189	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/27/78-04/29/81	3	50.	48.667	52.	44.	17.333	4.163	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/27/78-04/29/81	3	37.	37.333	39.	36.	2.333	1.528	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/27/78-04/29/81	3	106.	100.	110.	84.	196.	14.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/27/78-04/29/81	3	7.	7.	8.	6.	1.	1.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/27/78-04/29/81	3	155.	150.	170.	125.	525.	22.913	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/27/78-04/29/81	3	54.	50.	57.	39.	93.	9.644	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/27/78-04/29/81	3	0.3	0.31	0.35	0.28	0.001	0.036	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/27/78-04/29/81	3	7.	7.333	8.	7.	0.333	0.577	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/27/78-04/29/81	3	100.	110.	130.	100.	300.	17.321	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	04/29/81-04/29/81	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/29/81-04/29/81	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

Parameter Inventory for Station: ARCH0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/27/78-04/29/81	3 ##	2.5	3.333	5.	2.5	2.083	1.443	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/29/81-04/29/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/27/78-03/27/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	04/29/81-04/29/81	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/29/81-04/29/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	04/29/81-04/29/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	04/29/81-04/29/81	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/29/81-04/29/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/27/78-04/29/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/80-04/29/81	2 ##	25.75	25.75	40.	11.5	406.125	20.153	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/80-04/29/81	2 ##	1.331	1.331	1.602	1.061	0.147	0.383	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			21.448								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/80-04/29/80	1 ##	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/80-04/29/80	1 ##	1.061	1.061	1.061	1.061	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			11.5								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/27/78-04/29/81	3	538.	529.333	554.	496.	897.333	29.956	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/27/78-04/29/81	3	0.02	0.017	0.02	0.01	0.	0.006	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/27/78-04/29/80	2 ##	0.113	0.113	0.2	0.025	0.015	0.124	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2 ##	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2 ##	11.25	11.25	20.	2.5	153.125	12.374	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2 ##	17.5	17.5	30.	5.	312.5	17.678	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/27/78-04/29/80	2	0.275	0.275	0.4	0.15	0.031	0.177	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	38.5	38.5	50.	27.	264.5	16.263	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	29.	29.	33.	25.	32.	5.657	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/80	2	37.	37.	60.	14.	1058.	32.527	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00				1	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00				1	0	0.00	2	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00				1	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00				1	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00							2	0	0.00			
00941	CHLORIDE, DISSOLVED 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			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00				1	0	0.00	2	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			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	100.	3	0	0.00				1	0	0.00	2	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			
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			

& - 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: ARCH0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00							2	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	2	0	0.00				1	0	0.00	1	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	2	1	0.50				1	1	1.00	1	0	0.00			
		Drinking Water	5.	2	0	0.00				1	0	0.00	1	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	2	1	0.50				1	1	1.00	1	0	0.00			
		Drinking Water	1300.	2	0	0.00				1	0	0.00	1	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	15.	2	1	0.50				1	1	1.00	1	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	2.	3	0	0.00				1	0	0.00	2	0	0.00			
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	2	1	0.50				1	1	1.00	1	0	0.00			
		Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5000.	2	0	0.00				1	0	0.00	1	0	0.00			

& - 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: ARCH0007

NPS Station ID: ARCH0007
LAT/LON: 38.510615/-109.594198
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17008
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): ARCH_NURE_05 /1041142
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	1	450.	450.	450.	450.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/78-06/28/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	1	37.6	37.6	37.6	37.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	1	31.5	31.5	31.5	31.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	1	142.	142.	142.	142.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	1	503.	503.	503.	503.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	1	113.	113.	113.	113.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	1	31504.	31504.	31504.	31504.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0008

NPS Station ID: ARCH0008 | LAT/LON: 38.511116/-109.475809 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17437 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_20 /1041227
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE RILL CREEK UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/78-06/24/78	1	15.9	15.9	15.9	15.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/78-06/24/78	1	249.	249.	249.	249.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/78-06/24/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/78-06/24/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/78-06/24/78	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/78-06/24/78	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/78-06/24/78	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/24/78-06/24/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/24/78-06/24/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/24/78-06/24/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/24/78-06/24/78	1	58.	58.	58.	58.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/24/78-06/24/78	1	516.	516.	516.	516.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/78-06/24/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/24/78-06/24/78	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/24/78-06/24/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/24/78-06/24/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/24/78-06/24/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/24/78-06/24/78	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/24/78-06/24/78	1	5337.	5337.	5337.	5337.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0009

NPS Station ID: ARCH0009
LAT/LON: 38.523500/-109.651667
Agency: 21UTAH
Date Created: 11/08/77
Location: TEXAS-GULF SULFUR WWTP
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/CMBMI/TREATD/OUTFL/STREAM
STORET Station ID(s): 495587 /XC 997.30
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 0.280
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14060008001000.00
RF3 Mile Point: 0.37
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-03/17/77	5	2.5	4.98	10.	2.1	13.987	3.74	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-03/17/77	7	5.	6.286	12.	2.6	12.598	3.549	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-03/17/77	8	2461.5	2750.375	4450.	725.	1417316.839	1190.511	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-03/17/77	8	7.5	32.625	171.	4.	3251.125	57.019	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	01/12/77-01/12/77	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-03/17/77	15	8.	7.62	8.5	6.2	0.675	0.821	6.2	7.	8.2	8.32
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-03/17/77	15	8.	6.871	8.5	6.2	1.275	1.129	6.2	7.	8.2	8.32
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-03/17/77	15	0.01	0.134	0.631	0.003	0.057	0.238	0.005	0.006	0.1	0.631
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-03/17/77	14	35.	76.143	177.	2.	5480.44	74.03	2.	2.	155.	177.
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-03/17/77	3	8.	7.867	8.5	7.1	0.503	0.709	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-03/17/77	3	8.	7.511	8.5	7.1	0.694	0.833	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-03/17/77	3	0.01	0.031	0.079	0.003	0.002	0.042	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-03/17/77	7	156.	152.	182.	113.	425.333	20.624	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-03/17/77	7	190.	185.286	222.	138.	628.905	25.078	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-03/17/77	7	5.	45.714	270.	5.	9811.905	99.055	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-03/17/77	8	0.8	2.175	13.	0.1	19.285	4.391	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/02/75-02/24/77	2	1.125	1.125	2.15	0.1	2.101	1.45	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-03/17/77	7	1.3	1.993	5.8	0.75	3.051	1.747	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/77-01/12/77	1	38.6	38.6	38.6	38.6	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/77-01/12/77	1	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-03/17/77	7	200.	221.286	415.	102.	10376.238	101.864	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-03/17/77	7	50.	55.	96.	30.	453.	21.284	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-03/17/77	7	18.	20.286	43.	7.	147.238	12.134	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-03/17/77	7	350.	355.714	660.	75.	34520.238	185.796	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-03/17/77	7	170.	236.857	500.	25.	30990.81	176.042	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-03/17/77	7	425.	504.571	990.	72.	100147.952	316.462	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-03/17/77	7	320.	326.429	510.	145.	18255.952	135.115	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-03/17/77	7	0.32	0.329	0.46	0.19	0.013	0.114	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/75-03/17/77	7	9.	9.	11.	7.	3.	1.732	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/31/76-03/17/77	4	0.75	1.3	3.2	0.5	1.66	1.288	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/75-03/17/77	2	125.	125.	200.	50.	11250.	106.066	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/28/75-03/17/77	7	230.	232.857	460.	70.	17823.81	133.506	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-10/06/76	5	8.	8.3	14.	4.	15.45	3.931	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/28/75-03/17/77	7	4.	3.286	5.	1.	2.571	1.604	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/28/75-03/17/77	6	10.	10.9	20.	5.	33.26	5.767	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/07/75-03/17/77	6	45.	46.867	100.	10.	1181.707	34.376	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-03/31/76	3	6.2	8.4	15.	4.	33.88	5.821	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/28/75-03/17/77	4	17.5	16.75	22.	10.	28.917	5.377	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-10/06/76	5	10.	15.2	30.	6.	95.2	9.757	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-03/17/77	4	10.	10.	15.	5.	16.667	4.082	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-03/17/77	7	20.	32.857	95.	15.	782.143	27.967	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/31/76-03/17/77	4	1.15	1.45	3.	0.5	1.177	1.085	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-03/17/77	8	330.	63145.	240000.	40.11982573857.143		109464.944	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-03/17/77	8	2.498	3.308	5.38	1.602	2.256	1.502	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2030.805								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-03/17/77	8	65.	60141.125	240000.	23.12323605265.268		111011.735	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-03/17/77	8	1.778	2.671	5.38	1.362	3.081	1.755	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			469.136								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/31/76-03/31/76	1	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
50051	FLOW, RATE, INSTANTANEOUS MGD	03/17/77-03/17/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	09/22/76-12/01/76	3	1.8	2.067	2.7	1.7	0.303	0.551	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-03/17/77	9	1360.	1466.889	2690.	450.	405574.111	636.847	450.	1196.	1845.	2690.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/28/75-03/17/77	7	0.35	0.327	0.45	0.2	0.011	0.103	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-03/17/77	7	0.65	0.756	1.2	0.34	0.103	0.32	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	4	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	15	3	0.20	4	1	0.25	9	1	0.11	1	1	1.00	1	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	1	0.50	1	1	1.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	7	2	0.29	2	1	0.50	4	1	0.25	1	0	0.00			
		Drinking Water	250.	7	6	0.86	2	2	1.00	4	4	1.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	7	5	0.71	2	2	1.00	4	3	0.75	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	1	0	0.00	3	0	0.00						
		Drinking Water	50.	4	0	0.00	1	0	0.00	3	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00				1	0	0.00	1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	5	5	1.00	2	2	1.00	2	2	1.00	1	1	1.00			
		Drinking Water	5.	5	4	0.80	2	1	0.50	2	2	1.00	1	1	1.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	100.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	6	1	0.17	2	1	0.50	4	0	0.00						
		Drinking Water	1300.	6	0	0.00	2	0	0.00	4	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	15.	3	1	0.33				2	1	0.50	1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	4	4	1.00	1	1	1.00	3	3	1.00						
		Drinking Water	100.	4	0	0.00	1	0	0.00	3	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	5000.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00	1	0	0.00	3	0	0.00						
		Drinking Water	50.	4	0	0.00	1	0	0.00	3	0	0.00						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	8	3	0.38	2	1	0.50	5	2	0.40				1	0	0.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	8	3	0.38	2	1	0.50	5	2	0.40				1	0	0.00
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	3	1.00	2	2	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: ARCH0010

NPS Station ID: ARCH0010 LAT/LON: 38.525833/-109.652667 Agency: 21UTAH Date Created: 11/24/90
Location: COLORADO RIVER 300 YD AB MOAB SALT INTAKE 02 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/IND/INTAKE/AMBNT/STREAM STORET Station ID(s): 495630
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 6.40 On/Off RF1:
RF3 Index: 14030005020700.12 RF3 Mile Point: 1.14 Distance from RF3: 0.18 On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/95-10/04/99	18	10.5	11.633	25.	0.	65.385	8.086	0.	5.	18.25	23.56
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/21/96-10/04/99	15	11.	16.267	36.	4.	112.781	10.62	4.	8.	25.	33.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/30/77-10/04/99	30	37.45	78.653	825.	3.24	24204.539	155.578	3.93	16.95	64.975	192.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/95-10/04/99	18	866.5	870.556	1232.	410.	52742.144	229.657	545.	722.5	1053.5	1177.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/77-10/04/99	30	1041.	1008.6	2110.	391.	129947.766	360.483	525.8	786.5	1156.25	1483.5
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/19/92-10/04/99	29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	08/22/95-08/22/95	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/30/77-10/04/99	29	8.38	8.349	8.82	7.6	0.067	0.258	7.99	8.175	8.515	8.6
00400	CONVERTED PH (STANDARD UNITS)	03/30/77-10/04/99	29	8.38	8.262	8.82	7.6	0.075	0.273	7.99	8.175	8.515	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/30/77-10/04/99	29	0.004	0.005	0.025	0.002	0.	0.005	0.003	0.003	0.007	0.01
00405	CARBON DIOXIDE (MG/L AS CO2)	03/30/77-10/04/99	32	1.	1.688	8.	0.	3.77	1.942	0.	1.	2.	4.4
00406	PH, FIELD, STANDARD UNITS SU	04/04/94-10/04/99	19	8.6	8.563	9.1	7.8	0.079	0.281	8.2	8.4	8.6	8.9
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/04/94-10/04/99	19	8.6	8.461	9.1	7.8	0.09	0.3	8.2	8.4	8.6	8.9
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/04/94-10/04/99	19	0.003	0.003	0.016	0.001	0.	0.003	0.001	0.003	0.004	0.006
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/30/77-10/04/99	31	141.	137.871	187.	81.	617.516	24.85	102.6	125.	157.	168.2
00440	BICARBONATE ION (MG/L AS HCO3)	03/30/77-10/04/99	31	174.	173.548	304.	99.	1471.323	38.358	125.6	155.	193.	208.
00445	CARBONATE ION (MG/L AS CO3)	01/19/92-10/04/99	29	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/19/92-10/04/99	29	80.	145.641	840.	4.	34919.518	186.868	14.	40.6	162.	367.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/30/77-03/30/77	1	2.85	2.85	2.85	2.85	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/30/77-10/04/99	30	308.55	311.88	520.	147.4	7283.593	85.344	208.69	257.225	382.225	427.95
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/30/77-10/04/99	31	81.	82.681	130.	41.	470.37	21.688	55.28	67.	100.	113.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/30/77-10/04/99	31	25.4	27.097	54.	10.6	83.899	9.16	17.18	18.9	33.	38.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/30/77-10/04/99	31	100.	99.852	250.	24.1	2097.957	45.803	52.22	69.1	120.	150.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/30/77-10/04/99	31	5.4	8.074	26.	1.8	43.972	6.631	2.764	3.28	12.	17.86
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/30/77-10/04/99	31	122.	120.177	330.	22.	4625.742	68.013	43.3	61.	161.	207.5
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/30/77-10/04/99	31	232.6	271.426	1540.	5.	77187.66	277.827	39.2	162.2	279.38	450.326
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/30/77-03/30/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/30/77-03/30/77	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	04/04/94-07/30/95	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/12/94-07/12/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/30/95-07/30/95	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/30/77-03/30/77	1	285.	285.	285.	285.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/30/95-07/30/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/04/94-07/30/95	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/30/77-03/30/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/12/94-07/12/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	04/04/94-07/30/95	2 ##	11.5	11.5	13.	10.	4.5	2.121	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/12/94-07/12/94	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01046	IRON, DISSOLVED (UG/L AS FE)	04/04/94-07/30/95	2 ##	70.025	70.025	140.	0.05	9793.001	98.96	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/30/95-07/30/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/94-07/12/94	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	04/04/94-07/30/95	2 ##	4.25	4.25	6.	2.5	6.125	2.475	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	04/04/94-04/04/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/12/94-07/12/94	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/30/95-07/30/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/04/94-07/30/95	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/12/94-07/12/94	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/30/95-07/30/95	1	105.	105.	105.	105.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	04/04/94-07/30/95	2 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/12/94-07/12/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/30/77-04/18/95	9 ##	2.5	2.5	5.	1.	1.938	1.392	1.	1.	3.5	5.
01501	ALPHA, TOTAL	03/30/77-03/30/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
03501	BETA, TOTAL	03/30/77-03/30/77	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
09501	RADIUM 226, TOTAL	03/30/77-03/30/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	01/19/92-10/04/99	29	407.	455.552	1753.	90.	93542.899	305.848	164.	271.5	533.	628.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	01/19/92-10/04/99	29	214.	209.586	346.	78.	4476.894	66.91	129.	170.	268.	280.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/30/77-10/04/99	31	668.	681.806	1404.	240.	54959.561	234.435	401.2	542.	842.	937.2
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/30/77-03/30/77	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/30/95-07/30/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	07/12/94-07/12/94	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/92-04/18/95	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/30/77-03/30/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/92-04/18/95	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/77-04/18/95	9 ##	10.	9.111	15.	5.	9.361	3.06	5.	6.	10.	15.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/30/77-04/18/95	9	0.079	0.08	0.2	0.01	0.003	0.051	0.01	0.058	0.086	0.2
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/77-04/18/95	9	9.8	16.711	50.	2.5	273.519	16.538	2.5	3.75	30.5	50.
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/92-04/18/95	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/77-03/30/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/77-04/18/95	9 ##	15.	15.667	26.	10.	24.	4.899	10.	12.5	17.5	26.

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

EPA Water Quality Criteria Analysis for Station: ARCH0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	30	10	0.33	6	1	0.17	12	2	0.17	7	6	0.86	5	1	0.20
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	29	0	0.00	6	0	0.00	12	0	0.00	6	0	0.00	5	0	0.00
		Other-Lo Lim.	6.5	29	0	0.00	6	0	0.00	12	0	0.00	6	0	0.00	5	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	19	1	0.05	5	0	0.00	6	0	0.00	5	0	0.00	3	1	0.33
		Other-Lo Lim.	6.5	19	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	31	0	0.00	6	0	0.00	13	0	0.00	7	0	0.00	5	0	0.00
		Drinking Water	250.	31	1	0.03	6	0	0.00	13	1	0.08	7	0	0.00	5	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	31	11	0.35	6	2	0.33	13	7	0.54	7	0	0.00	5	2	0.40
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
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
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	1	0	0.00				1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		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

& - 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: ARCH0010

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	2	0	0.00	1	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00										1	0	0.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
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									
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
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	5000.	2	0	0.00	1	0	0.00				1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	2	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	50.	2	0	0.00	1	0	0.00				1	0	0.00			
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
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	9	0	0.00				6	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	50.	9	0	0.00				6	0	0.00	2	0	0.00	1	0	0.00
09501	RADIUM 226, TOTAL	Drinking Water	5.	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									
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	8	0	0.00				5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	50.	8	0	0.00				5	0	0.00	2	0	0.00	1	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	1	0	0.00				1	0	0.00						
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	8	0	0.00				5	0	0.00	2	0	0.00	1	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	9	0	0.00				6	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	1300.	9	0	0.00				6	0	0.00	2	0	0.00	1	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	8	0	0.00				5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	100.	8	0	0.00				5	0	0.00	2	0	0.00	1	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1	1	1.00				1	1	1.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	9	0	0.00				6	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	5000.	9	0	0.00				6	0	0.00	2	0	0.00	1	0	0.00

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

Station Inventory for Station: ARCH0011

NPS Station ID: ARCH0011
LAT/LON: 38.529392/-109.455809
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C16916
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ARCH_NURE_19 /1041133
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE RILL CREEK UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/78-06/27/78	1	21.8	21.8	21.8	21.8	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/78-06/27/78	1	143.	143.	143.	143.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/27/78-06/27/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/27/78-06/27/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/78-06/27/78	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/27/78-06/27/78	1	24.9	24.9	24.9	24.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/27/78-06/27/78	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/27/78-06/27/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/27/78-06/27/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/27/78-06/27/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/27/78-06/27/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/27/78-06/27/78	1	414.	414.	414.	414.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/78-06/27/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/27/78-06/27/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/27/78-06/27/78	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/27/78-06/27/78	1	137.	137.	137.	137.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/27/78-06/27/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/27/78-06/27/78	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/27/78-06/27/78	1	3847.	3847.	3847.	3847.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0012

NPS Station ID: ARCH0012 LAT/LON: 38.530167/-109.653500 Agency: 21UTAH Date Created: 01/26/91
Location: COLORADO R 1/4 MI AB MOAB SALT INTAKE 01 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 495631
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 0.70 On/Off RF1:
RF3 Index: 14030005001600.00 RF3 Mile Point: 1.61 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/95-04/12/99	16	10.	10.906	25.	0.	66.407	8.149	0.	3.	16.75	23.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/29/95-04/12/99	14	10.5	14.571	36.	4.	97.341	9.866	4.	7.75	23.5	32.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/91-04/12/99	30	38.65	108.225	1000.	3.	49469.662	222.418	4.245	16.6	68.35	297.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/95-04/12/99	16	889.	901.313	1240.	400.	49230.763	221.88	552.6	776.5	1065.5	1193.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/21/91-04/12/99	30	1014.	982.033	1500.	417.	79300.309	281.603	532.2	802.75	1170.5	1339.1
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/21/91-04/12/99	30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	08/22/95-08/22/95	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/21/91-04/12/99	28	8.28	8.28	8.65	7.5	0.059	0.243	7.99	8.2	8.45	8.564
00400	CONVERTED PH (STANDARD UNITS)	07/21/91-04/12/99	28	8.28	8.197	8.65	7.5	0.066	0.257	7.99	8.2	8.45	8.564
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/91-04/12/99	28	0.005	0.006	0.032	0.002	0.	0.006	0.003	0.004	0.006	0.01
00405	CARBON DIOXIDE (MG/L AS CO2)	07/21/91-04/12/99	31	1.	1.645	8.	0.	2.57	1.603	1.	1.	2.	3.
00406	PH, FIELD, STANDARD UNITS SU	04/04/94-04/12/99	17	8.6	8.571	9.1	7.7	0.096	0.31	8.1	8.5	8.7	8.94
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/04/94-04/12/99	17	8.6	8.434	9.1	7.7	0.116	0.34	8.1	8.5	8.7	8.94
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/04/94-04/12/99	17	0.003	0.004	0.02	0.001	0.	0.004	0.001	0.002	0.003	0.009
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/21/91-04/12/99	31	141.	138.065	182.	83.	560.062	23.666	102.4	126.	154.	166.6
00440	BICARBONATE ION (MG/L AS HCO3)	07/21/91-04/12/99	31	173.	174.226	322.	101.	1559.647	39.492	124.8	157.	192.	206.
00445	CARBONATE ION (MG/L AS CO3)	07/21/91-04/12/99	30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/21/91-04/12/99	30	96.	180.78	966.	3.	60759.24	246.494	14.	41.	168.5	737.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/21/91-04/12/99	30	312.3	308.74	459.9	147.6	6331.758	79.572	183.4	249.35	359.85	408.51
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/21/91-04/12/99	31	83.	81.403	120.	41.	409.614	20.239	51.78	65.	99.	108.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/21/91-04/12/99	31	27.	26.665	39.	11.	60.562	7.782	13.84	22.3	31.	38.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/21/91-04/12/99	31	95.	90.768	160.	28.	1155.358	33.991	39.82	69.	120.	137.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/21/91-04/12/99	31	4.2	4.269	10.5	1.8	2.652	1.629	2.554	3.3	4.8	5.98
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/21/91-04/12/99	31	90.	91.448	187.5	31.	1638.359	40.477	43.6	64.	117.	157.8
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/21/91-04/12/99	31	235.5	218.852	340.37	69.79	6756.667	82.199	77.	152.	281.51	317.552
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/30/95-07/30/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/04/94-07/12/94	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/30/95-07/30/95	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/30/95-07/30/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/30/95-07/30/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/04/94-07/12/94	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/30/95-07/30/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/04/94-07/12/94	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/30/95-07/30/95	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/30/95-07/30/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/04/94-07/12/94	2 ##	4.25	4.25	6.	2.5	6.125	2.475	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/30/95-07/30/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/04/94-07/12/94	2 ##	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: ARCH0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075	SILVER, DISSOLVED (UG/L AS AG)	07/30/95-07/30/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/30/95-07/30/95	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/04/94-07/12/94	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/30/95-07/30/95	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/30/95-07/30/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/04/94-07/12/94	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/21/91-04/18/95	11 ##	2.5	2.727	5.	1.	2.118	1.455	1.	1.	4.	5.
61027	ANIONS, SUM, TOTAL IN WATER MG/L	01/19/92-04/12/99	28	386.5	388.75	607.	167.	15407.528	124.127	214.6	264.25	498.	544.3
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	01/19/92-04/12/99	28	206.5	200.679	305.	82.	3806.745	61.699	108.4	140.	248.	279.1
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/21/91-04/12/99	31	682.	643.581	1000.	270.	36886.252	192.058	339.6	532.	774.	881.6
71870	BROMIDE (MG/L AS BR)	07/21/91-07/21/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/30/95-07/30/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	04/04/94-07/12/94	2	0.054	0.054	0.071	0.037	0.001	0.024	**	**	**	**
82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1	8100.	8100.	8100.	8100.	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	11 ##	2.5	3.455	13.	2.5	10.023	3.166	2.5	2.5	2.5	10.9
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/10/93-08/10/93	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	11 ##	2.5	3.091	9.	2.5	3.841	1.96	2.5	2.5	2.5	7.7
82707	COBALT, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	11 ##	10.	10.182	15.	6.	8.164	2.857	6.	10.	10.	15.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/21/91-04/18/95	11	0.063	0.472	4.6	0.01	1.875	1.369	0.016	0.051	0.079	3.698
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	11	11.	63.973	580.	2.5	29393.578	171.446	2.5	5.	31.	470.4
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82714	MOLYBDENUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	11 ##	5.	5.455	10.	5.	2.273	1.508	5.	5.	5.	9.
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82718	VANADIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/21/91-04/18/95	11 ##	15.	16.909	40.	10.	94.091	9.7	10.	10.	15.	38.2
82725	BORON, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/10/93-08/10/93	1	83.	83.	83.	83.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	30	11	0.37	8	2	0.25	11	3	0.27	7	6	0.86	4	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	28	0	0.00	7	0	0.00	11	0	0.00	6	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	28	0	0.00	7	0	0.00	11	0	0.00	6	0	0.00	4	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	17	1	0.06	4	0	0.00	6	0	0.00	5	0	0.00	2	1	0.50
		Other-Lo Lim.	6.5	17	0	0.00	4	0	0.00	6	0	0.00	5	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	31	0	0.00	8	0	0.00	12	0	0.00	7	0	0.00	4	0	0.00
		Drinking Water	250.	31	0	0.00	8	0	0.00	12	0	0.00	7	0	0.00	4	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	31	13	0.42	8	5	0.63	12	7	0.58	7	0	0.00	4	1	0.25
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.	2	0	0.00							1	0	0.00	1	0	0.00
		Drinking Water	50.	2	0	0.00							1	0	0.00	1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00							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									
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00							1	0	0.00	1	0	0.00
		Drinking Water	1300.	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

EPA Water Quality Criteria Analysis for Station: ARCH0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00							1	0	0.00	1	0	0.00
		Drinking Water	100.	2	0	0.00							1	0	0.00	1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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.	2	0	0.00							1	0	0.00	1	0	0.00
		Drinking Water	5000.	2	0	0.00							1	0	0.00	1	0	0.00
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.	2	0	0.00							1	0	0.00	1	0	0.00
		Drinking Water	50.	2	0	0.00							1	0	0.00	1	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	50.	11	0	0.00	3	0	0.00	5	0	0.00	2	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									
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	50.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	1	0	0.00	1	0	0.00									
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WA	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	1300.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	1	1.00	1	1	1.00									
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	100.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	5000.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00

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

Station Inventory for Station: ARCH0013

NPS Station ID: ARCH0013 | LAT/LON: 38.530837/-109.478615 | Agency: 112WRD | Date Created: 11/30/85
Location: (D-26-22)22AAD-S1 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): 383149109284601
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 4.80 | On/Off RF1:
RF3 Index: 14030005001503.79 | RF3 Mile Point: 7.72 | Distance from RF3: 0.40 | On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/85-08/15/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/85-08/15/85	1	285.	285.	285.	285.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/15/85-08/15/85	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/15/85-08/15/85	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/85-08/15/85	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/85-08/15/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/85-08/15/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/85-08/15/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/85-08/15/85	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/85-08/15/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/85-08/15/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/85-08/15/85	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/85-08/15/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/85-08/15/85	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/85-08/15/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/85-08/15/85	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/85-08/15/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/85-08/15/85	1	64.	64.	64.	64.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/85-08/15/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/85-08/15/85	1	510.	510.	510.	510.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/15/85-08/15/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/15/85-08/15/85	1	174.	174.	174.	174.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: ARCH0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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									
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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									

& - 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: ARCH0014

NPS Station ID: ARCH0014 LAT/LON: 38.530837/-109.478892 Agency: 21UTDHDW Date Created: 05/26/90
Location: MOAB - SPRING #3 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/MUN/INTAKE/NONAMB/SPRING/SUPPLY STORET Station ID(s): 1000303 /UT4900291003
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 5.40 On/Off RF1:
RF3 Index: 14030005001503.79 RF3 Mile Point: 8.10 Distance from RF3: 0.37 On/Off RF3:
Description:
NOTE: THIS IS A PUBLIC DRINKING WATER SOURCE * * * NOTE: THE SECONDARY STATION CODE IS EPA'S FRDS2 PWS-ID #
SYSTEM TYPE: COMMUNITY-POLITICAL SUBDIV SERVICE AREA TYPE: RESIDENTIAL AREA
ATE ENGINEER'S WATER USER CLAIM NUMBER IS: 05-2007 GS NUMBER FOR THIS SITE IS: 383149109284601

Parameter Inventory for Station: ARCH0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/06/78-02/06/90	6	0.2	0.25	0.4	0.2	0.007	0.084	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/78-02/06/90	6	287.5	287.5	323.	255.	506.7	22.51	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/06/78-02/06/90	6	7.9	7.833	8.3	7.	0.255	0.505	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/06/78-02/06/90	6	7.855	7.566	8.3	7.	0.341	0.584	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/78-02/06/90	6	0.014	0.027	0.1	0.005	0.001	0.037	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	04/15/81-02/06/90	4	2.	2.5	5.	1.	3.667	1.915	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/78-02/06/90	6	98.5	99.167	106.	95.	14.967	3.869	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/06/78-02/06/90	6	120.	120.833	129.	116.	21.767	4.665	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/15/81-02/06/90	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	6 ##	0.005	0.012	0.025	0.005	0.	0.01	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	6	0.25	0.233	0.3	0.1	0.007	0.082	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/78-02/06/90	6	136.	137.667	154.	127.	121.067	11.003	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/78-02/06/90	6	33.5	34.	37.	32.	3.2	1.789	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/78-02/06/90	6	13.	12.833	15.	11.	2.967	1.722	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/06/78-02/06/90	6	8.	8.833	12.	7.	3.367	1.835	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/06/78-02/06/90	6	1.	1.	1.	1.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/06/78-02/06/90	6	4.5	4.5	8.	1.	5.9	2.429	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/06/78-02/06/90	6	47.5	47.833	61.	38.	65.367	8.085	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/06/78-02/06/90	6	0.15	0.153	0.18	0.13	0.	0.016	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/06/78-02/06/90	6	10.	9.667	11.	8.	1.067	1.033	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/15/81-02/06/90	5 ##	0.5	0.85	2.5	0.25	0.863	0.929	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/06/78-06/06/78	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/15/81-02/06/90	5	0.06	0.046	0.06	0.025	0.	0.019	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/06/78-06/29/81	3	105.	93.333	150.	25.	4008.333	63.311	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/15/81-02/06/90	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/06/78-02/06/90	6 ##	2.5	3.417	10.	0.5	11.042	3.323	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/15/81-02/06/90	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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Parameter Inventory for Station: ARCH0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040	COPPER, DISSOLVED (UG/L AS CU)	06/06/78-06/06/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/15/81-02/06/90	5 ##	10.	8.	10.	5.	7.5	2.739	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/06/78-06/06/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/15/81-02/06/90	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/15/81-02/06/90	5 ##	5.	4.5	5.	2.5	1.25	1.118	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/78-06/06/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/15/81-06/29/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	04/15/81-02/06/90	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/06/78-06/06/78	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/29/81-02/06/90	4 ##	15.	20.	45.	5.	316.667	17.795	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/15/81-02/06/90	5 ##	0.25	0.35	0.5	0.25	0.019	0.137	**	**	**	**
01501	ALPHA, TOTAL	05/18/81-02/06/90	6	1.	1.25	3.	0.5	0.775	0.88	**	**	**	**
22708	URANIUM, NATURAL TOTAL MG/L	04/15/81-04/15/81	1	50.	50.	50.	50.	0.	0.	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34391	HEXACHLOROBUTADIENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/06/78-06/06/78	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38760	DBCP WATER, TOTUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/78-02/06/90	6	168.5	175.5	204.	162.	251.9	15.871	**	**	**	**
71830	HYDROXIDE ION (MG/L AS OH)	06/06/78-06/06/78	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/06/78-02/06/90	6 ##	0.075	0.092	0.2	0.05	0.003	0.058	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	06/06/78-02/06/90	6 ##	0.015	0.016	0.025	0.01	0.	0.005	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77128	STYRENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77135	O-XYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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Parameter Inventory for Station: ARCH0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	09/18/89-09/18/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78132	P-XYLENE IN WHOLE WATER UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81522	DIBROMOETHANE WHL WATER SMPL UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81555	BROMOBENZENE WHL WATER SMPL UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00403	PH, LAB	Fresh Chronic	9.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	250.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	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.	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	50.	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00										1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	1	0	0.00	2	0	0.00	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
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	5.	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	100.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	1	0	0.00	2	0	0.00	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
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1300.	5	0	0.00	1	0	0.00	2	0	0.00	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
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	15.	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00							1	0	0.00	1	0	0.00
		Drinking Water	100.	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

EPA Water Quality Criteria Analysis for Station: ARCH0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	4	0	0.00	1	0	0.00	1	0	0.00	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.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	5000.	4	0	0.00	1	0	0.00	2	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.	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	50.	5	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
22708	URANIUM, NATURAL, TOTAL	Drinking Water	0.02	1	1	1.00							1	1	1.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34391	HEXACHLOROBUTADIENE, TOTAL	Fresh Acute	90.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00									
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00									
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00												
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	2.	6	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00	1	0	0.00									
77128	STYRENE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	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: ARCH0015

NPS Station ID: ARCH0015
LAT/LON: 38.532167/-109.600500
Agency: 21UTAH
Date Created: 03/24/79
Location: KANE CANYON CK AT MOUTH
FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495595
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005008
RF1 Mile Point: 0.010
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 14030005000733.09
RF3 Mile Point: 37.04
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/27/78-12/02/99	11	14.8	15.218	29.	1.2	71.19	8.437	1.96	7.9	21.5	28.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/12/95-12/02/99	9	17.	14.644	25.	1.	54.44	7.378	1.	9.45	20.05	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/27/78-12/02/99	11	1.5	11.178	100.	0.	874.324	29.569	0.	1.1	5.	81.772
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/27/78-12/02/99	11	45.	450.784	3560.	6.31	1102355.464	1049.931	6.77	11.8	331.	2974.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/27/78-12/02/99	10	1102.5	1239.2	3140.	202.	695009.289	833.672	231.	621.75	1518.5	3026.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/27/78-12/02/99	11	1070.	1002.091	2000.	249.	272767.691	522.272	266.8	510.	1362.	1874.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/12/95-12/02/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	03/27/78-12/02/99	4	7.15	6.3	10.7	0.2	20.553	4.534	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	04/29/81-04/29/81	1 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/27/78-12/02/99	10	8.315	8.169	8.7	7.27	0.184	0.429	7.329	7.875	8.49	8.679
00400	CONVERTED PH (STANDARD UNITS)	03/27/78-12/02/99	10	8.315	7.942	8.7	7.27	0.242	0.492	7.329	7.875	8.49	8.679
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/27/78-12/02/99	10	0.005	0.011	0.054	0.002	0.	0.016	0.002	0.003	0.013	0.05
00405	CARBON DIOXIDE (MG/L AS CO2)	03/27/78-12/02/99	12	3.	3.	8.	1.	3.455	1.859	1.	2.	3.75	6.8
00406	PH, FIELD, STANDARD UNITS SU	04/29/81-12/02/99	10	8.6	8.45	9.1	6.5	0.529	0.728	6.68	8.375	8.9	9.08
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/29/81-12/02/99	10	8.6	7.47	9.1	6.5	1.596	1.263	6.68	8.375	8.9	9.08
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/29/81-12/02/99	10	0.003	0.034	0.316	0.001	0.01	0.099	0.001	0.001	0.004	0.285
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/27/78-12/02/99	11	253.	202.091	295.	42.	8508.891	92.244	48.4	110.	277.	293.8
00440	BICARBONATE ION (MG/L AS HCO3)	03/27/78-12/02/99	11	308.	246.	360.	51.	12615.4	112.318	58.8	134.	338.	358.4
00445	CARBONATE ION (MG/L AS CO3)	04/29/81-12/02/99	10	0.	0.2	2.	0.	0.4	0.632	0.	0.	0.	1.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/27/78-12/02/99	10	44.7	829.48	5328.	7.6	2947295.94	1716.769	7.88	12.5	830.75	5014.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/29/81-04/07/99	8 ##	0.039	0.051	0.1	0.025	0.001	0.031	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/27/78-04/29/81	2 ##	0.023	0.023	0.025	0.02	0.	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/27/78-04/29/81	2	0.16	0.16	0.3	0.02	0.039	0.198	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/81-05/05/97	4	0.675	0.928	2.11	0.25	0.755	0.869	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/29/81-12/02/99	4	0.275	0.275	0.5	0.05	0.034	0.185	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/12/95-04/07/99	7	0.05	0.182	0.56	0.01	0.059	0.244	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/81-12/02/99	8	0.047	0.307	1.157	0.01	0.221	0.47	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/12/95-04/07/99	6	0.021	0.04	0.097	0.005	0.002	0.043	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/29/81-04/29/81	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/27/78-12/02/99	11	390.	330.673	503.8	60.8	21832.65	147.759	75.4	184.	446.8	498.12
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/27/78-12/02/99	11	58.	52.782	75.2	13.	452.416	21.27	15.4	35.8	73.4	74.98
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/27/78-12/02/99	11	57.1	48.427	80.	6.9	722.304	26.876	7.68	19.3	74.	79.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/27/78-12/02/99	11	96.6	85.864	150.	17.1	2623.919	51.224	17.28	35.4	137.	147.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/27/78-12/02/99	11	6.	5.528	7.	2.9	1.376	1.173	3.18	4.56	6.18	6.88
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/27/78-12/02/99	11	79.	71.273	140.	10.	2005.418	44.782	10.2	34.	103.	137.6
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/27/78-12/02/99	11	247.	185.688	307.1	23.35	13101.157	114.46	25.58	45.1	270.	306.28
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/27/78-04/29/81	2	0.45	0.45	0.47	0.43	0.001	0.028	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/27/78-04/29/81	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**

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

Parameter Inventory for Station: ARCH0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/12/95-12/02/99	9 ##	2.5	2.778	5.	2.5	0.694	0.833	2.5	2.5	2.5	5.
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/12/95-12/02/99	9	110.	104.667	150.	43.	801.75	28.315	43.	94.5	115.	150.
01020	BORON, DISSOLVED (UG/L AS B)	03/27/78-04/29/81	2	140.	140.	145.	135.	50.	7.071	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/12/95-12/02/99	9 ##	0.5	0.778	3.	0.5	0.694	0.833	0.5	0.5	0.5	3.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/12/95-12/02/99	9 ##	2.5	3.944	9.3	2.5	5.838	2.416	2.5	2.5	5.6	9.3
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/27/78-04/29/81	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/12/95-12/02/99	9 ##	6.	6.	6.	6.	0.	0.	6.	6.	6.	6.
01046	IRON, DISSOLVED (UG/L AS FE)	03/27/78-12/02/99	10	28.05	75.78	296.	10.	8675.864	93.144	10.	10.	117.75	283.5
01049	LEAD, DISSOLVED (UG/L AS PB)	05/12/95-12/02/99	9 ##	1.5	1.778	4.	1.5	0.694	0.833	1.5	1.5	1.5	4.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/12/95-12/02/99	9	21.	23.5	65.	2.5	359.875	18.97	2.5	9.	33.	65.
01075	SILVER, DISSOLVED (UG/L AS AG)	05/12/95-12/02/99	9 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/12/95-12/02/99	9 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/12/95-12/02/99	9 ##	20.	62.222	160.	15.	4206.944	64.861	15.	15.	140.	160.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/12/95-12/02/99	9	1.5	9.1	72.	0.5	556.57	23.592	0.5	0.85	1.65	72.
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/27/78-04/29/81	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/81-04/29/81	1	7500.	7500.	7500.	7500.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	04/29/81-04/29/81	1	3.875	3.875	3.875	3.875	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			7500.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/81-04/29/81	1	930.	930.	930.	930.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	04/29/81-04/29/81	1	2.968	2.968	2.968	2.968	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			930.								
61027	ANIONS, SUM, TOTAL IN WATER MG/L	05/12/95-12/02/99	9	435.	342.	576.	78.	37195.5	192.861	78.	140.5	513.5	576.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	05/12/95-12/02/99	9	208.	177.333	293.	41.	8817.75	93.903	41.	86.	263.5	293.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/27/78-12/02/99	11	712.	619.273	894.	178.	62005.018	249.008	207.2	364.	844.	884.4
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/27/78-04/29/81	2	0.035	0.035	0.05	0.02	0.	0.021	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/12/95-12/02/99	9 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/27/78-04/29/81	2	0.115	0.115	0.15	0.08	0.002	0.049	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2 ##	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2 ##	11.25	11.25	20.	2.5	153.125	12.374	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2 ##	22.5	22.5	40.	5.	612.5	24.749	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/27/78-04/29/81	2	0.735	0.735	0.82	0.65	0.014	0.12	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2	67.5	67.5	100.	35.	2112.5	45.962	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/27/78-04/29/81	2	65.	65.	110.	20.	4050.	63.64	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	11	4	0.36	3	3	1.00	4	0	0.00	4	1	0.25			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	1	0.25				2	0	0.00	2	1	0.50			
00400	PH	Fresh Chronic	9.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	10	1	0.10	3	0	0.00	3	1	0.33	4	0	0.00			
		Other-Lo Lim.	6.5	10	1	0.10	3	0	0.00	3	0	0.00	4	1	0.25			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00				1	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	7	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	11	0	0.00	3	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	250.	11	0	0.00	3	0	0.00	4	0	0.00	4	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	11	4	0.36	3	0	0.00	4	2	0.50	4	2	0.50			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00				1	0	0.00	1	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01005	BARIUM, DISSOLVED	Drinking Water	2000.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	5.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	1300.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	15.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	5000.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	9	1	0.11	3	1	0.33	3	0	0.00	3	0	0.00			
		Drinking Water	50.	9	1	0.11	3	1	0.33	3	0	0.00	3	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	1	1.00							1	1	1.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	2.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	2	0	0.00				1	0	0.00	1	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	2	1	0.50				1	1	1.00	1	0	0.00			
		Drinking Water	5.	2	0	0.00				1	0	0.00	1	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	2	1	0.50				1	1	1.00	1	0	0.00			
		Drinking Water	1300.	2	0	0.00				1	0	0.00	1	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	15.	2	1	0.50				1	1	1.00	1	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	2.	2	0	0.00				1	0	0.00	1	0	0.00			
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	2	1	0.50				1	1	1.00	1	0	0.00			
		Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	5000.	2	0	0.00				1	0	0.00	1	0	0.00			

& - 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: ARCH0016

NPS Station ID: ARCH0016
LAT/LON: 38.532503/-109.479171
Agency: 112WRD
Date Created: 11/30/85
Location: (D-26-22)22AAA-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383156109284201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 5.00
On/Off RF1:
RF3 Index: 14030005001503.79
RF3 Mile Point: 8.14
Distance from RF3: 0.31
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/85-08/16/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/85-08/16/85	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/85-08/16/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/85-08/16/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/85-08/16/85	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/85-08/16/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/85-08/16/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/85-08/16/85	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/85-08/16/85	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/85-08/16/85	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/85-08/16/85	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/16/85-08/16/85	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/85-08/16/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/85-08/16/85	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/16/85-08/16/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/16/85-08/16/85	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/16/85-08/16/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/16/85-08/16/85	1	72.	72.	72.	72.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/85-08/16/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/16/85-08/16/85	1	480.	480.	480.	480.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/16/85-08/16/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	08/16/85-08/16/85	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
09511	RADIUM 226, DISSOLVED, RADON METHOD	08/16/85-08/16/85	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	08/16/85-08/16/85	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/85-08/16/85	1	163.	163.	163.	163.	0.	0.	**	**	**	**
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	08/16/85-08/16/85	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	08/16/85-08/16/85	1	1.6	1.6	1.6	1.6	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: ARCH0016

Parameter				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: ARCH0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0017

NPS Station ID: ARCH0017 LAT/LON: 38.532503/-109.479171 Agency: 21UTDHDW Date Created: 05/26/90
Location: MOAB - SPRING #2 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/MUN/INTAKE/NONAMB/SPRING/SUPPLY STORET Station ID(s): 1000302 /UT4900291002
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 1.90 On/Off RF1:
RF3 Index: 14030005011500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
NOTE: THIS IS A PUBLIC DRINKING WATER SOURCE * * * NOTE: THE SECONDARY STATION CODE IS EPA'S FRDS2 PWS-ID #
SYSTEM TYPE: COMMUNITY-POLITICAL SUBDIV SERVICE AREA TYPE: RESIDENTIAL AREA
ATE ENGINEER'S WATER USER CLAIM NUMBER IS: 05-2008 GS NUMBER FOR THIS SITE IS: 383156109284201

Parameter Inventory for Station: ARCH0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/10/84-02/06/90	3	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/10/84-02/06/90	3	280.	293.667	325.	276.	740.333	27.209	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/10/84-02/06/90	3	7.7	7.867	8.3	7.6	0.143	0.379	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/10/84-02/06/90	3	7.7	7.777	8.3	7.6	0.155	0.394	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/10/84-02/06/90	3	0.02	0.017	0.025	0.005	0.	0.01	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	12/10/84-02/06/90	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/10/84-02/06/90	3	100.	101.	103.	100.	3.	1.732	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/10/84-02/06/90	3	122.	123.333	126.	122.	5.333	2.309	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/10/84-02/06/90	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/10/84-02/06/90	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/10/84-02/06/90	3	0.2	0.233	0.3	0.2	0.003	0.058	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/10/84-02/06/90	3	138.	142.	152.	136.	76.	8.718	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/10/84-02/06/90	3	34.	35.	38.	33.	7.	2.646	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/10/84-02/06/90	3	13.	13.333	14.	13.	0.333	0.577	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/10/84-02/06/90	3	7.	8.	11.	6.	7.	2.646	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/10/84-02/06/90	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	12/10/84-02/06/90	3	4.	3.333	5.	1.	4.333	2.082	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	12/10/84-02/06/90	3	47.	52.	64.	45.	109.	10.44	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/10/84-02/06/90	3	0.15	0.15	0.17	0.13	0.	0.02	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/10/84-02/06/90	3	10.	10.	11.	9.	1.	1.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	12/10/84-02/06/90	3 ##	0.5	1.167	2.5	0.5	1.333	1.155	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	12/10/84-02/06/90	3	0.06	0.052	0.07	0.025	0.001	0.024	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	12/10/84-02/06/90	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	12/10/84-02/06/90	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/10/84-02/06/90	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	12/10/84-02/06/90	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/10/84-02/06/90	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	12/10/84-02/06/90	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	12/10/84-02/06/90	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	12/10/84-02/06/90	3	15.	16.667	25.	10.	58.333	7.638	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	12/10/84-02/06/90	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01501	ALPHA, TOTAL	04/11/84-11/14/89	3 ##	1.	1.167	2.	0.5	0.583	0.764	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34391	HEXACHLOROBUTADIENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38760	DBCP WATER, TOTUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/10/84-02/06/90	3	202.	183.333	202.	146.	1045.333	32.332	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	12/10/84-02/06/90	3 ##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	12/10/84-02/06/90	3 ##	0.015	0.013	0.015	0.01	0.	0.003	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77128	STYRENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77135	O-XYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	09/18/89-09/18/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78132	P-XYLENE IN WHOLE WATER UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81522	DIBROMOETHANE WHL WATER SMPL UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81555	BROMOBENZENE WHL WATER SMPL UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00				2	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00				2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00				2	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00				2	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00				2	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	250.	3	0	0.00				2	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00				2	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00				2	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00				2	0	0.00	1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00				2	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	5.	3	0	0.00				2	0	0.00	1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00				2	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00				2	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	1300.	3	0	0.00				2	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	15.	3	0	0.00				2	0	0.00	1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00				2	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	5000.	3	0	0.00				2	0	0.00	1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00				2	0	0.00	1	0	0.00			
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34391	HEXACHLOROBUTADIENE, TOTAL	Fresh Acute	90.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00									
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00									
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00												
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	2.	3	0	0.00				2	0	0.00	1	0	0.00			
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	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: ARCH0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
77128	STYRENE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	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: ARCH0018

NPS Station ID: ARCH0018 | LAT/LON: 38.532810/-109.489698 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C16918 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_NURE_03 /1041134
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE RILL CREEK UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/78-06/27/78	1	27.4	27.4	27.4	27.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/78-06/27/78	1	730.	730.	730.	730.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/27/78-06/27/78	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/27/78-06/27/78	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/78-06/27/78	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/27/78-06/27/78	1	103.	103.	103.	103.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/27/78-06/27/78	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/27/78-06/27/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/27/78-06/27/78	1	379.	379.	379.	379.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/27/78-06/27/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/27/78-06/27/78	1	99.	99.	99.	99.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/27/78-06/27/78	1	955.	955.	955.	955.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/78-06/27/78	1	415.	415.	415.	415.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/27/78-06/27/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/27/78-06/27/78	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/27/78-06/27/78	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/27/78-06/27/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/27/78-06/27/78	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/27/78-06/27/78	1	37005.	37005.	37005.	37005.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0019

NPS Station ID: ARCH0019
LAT/LON: 38.534170/-109.466670
Agency: 112WRD
Date Created: 02/28/78
Location: (D-26-22)14ACC-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383203109280001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 5.50
On/Off RF1:
RF3 Index: 14030005001503.79
RF3 Mile Point: 8.02
Distance from RF3: 0.41
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/19/68-11/19/68	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	11/19/68-11/19/68	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/68-11/19/68	1	305.	305.	305.	305.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/19/68-11/19/68	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/19/68-11/19/68	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/68-11/19/68	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/19/68-11/19/68	1	151.	151.	151.	151.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	11/19/68-11/19/68	1	184.	184.	184.	184.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	11/19/68-11/19/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/19/68-11/19/68	1	152.	152.	152.	152.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/19/68-11/19/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/19/68-11/19/68	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/19/68-11/19/68	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/19/68-11/19/68	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	11/19/68-11/19/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/19/68-11/19/68	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/19/68-11/19/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/19/68-11/19/68	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/19/68-11/19/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/19/68-11/19/68	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/19/68-11/19/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	11/19/68-11/19/68	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/19/68-11/19/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/19/68-11/19/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/19/68-11/19/68	1	171.	171.	171.	171.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/19/68-11/19/68	1	171.	171.	171.	171.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/19/68-11/19/68	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

& - 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: ARCH0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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						
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						
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00				1	1	1.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
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						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ARCH0020

NPS Station ID: ARCH0020 | LAT/LON: 38.535000/-109.490000 | Agency: 21UTAH | Date Created: 03/16/96

Location: CITY SPRING #1 (D-26-22) 15CDC-S1
Station Type: /TYPA/AMBNT/SPRING
RMI-Indexes:
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:

FIPS State/County: 49019 UTAH/GRAND
STORET Station ID(s): 598057
Within Park Boundary: No

Parameter Inventory for Station: ARCH0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/95-12/06/95	1	15.7	15.7	15.7	15.7	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/06/95-12/06/95	1	0.91	0.91	0.91	0.91	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/06/95-12/06/95	1	464.	464.	464.	464.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/95-12/06/95	1	462.	462.	462.	462.	0.	0.	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	12/06/95-12/06/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/06/95-12/06/95	1	7.72	7.72	7.72	7.72	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/06/95-12/06/95	1	7.72	7.72	7.72	7.72	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/95-12/06/95	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	12/06/95-12/06/95	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/06/95-12/06/95	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/06/95-12/06/95	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/95-12/06/95	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	1	125.	125.	125.	125.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/06/95-12/06/95	1	153.	153.	153.	153.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	12/06/95-12/06/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/06/95-12/06/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/95-12/06/95	1	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/06/95-12/06/95	1	0.195	0.195	0.195	0.195	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/95-12/06/95	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/95-12/06/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/06/95-12/06/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	1	202.1	202.1	202.1	202.1	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/95-12/06/95	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/95-12/06/95	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/95-12/06/95	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/95-12/06/95	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	12/06/95-12/06/95	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	12/06/95-12/06/95	1	110.8	110.8	110.8	110.8	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/06/95-12/06/95	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/06/95-12/06/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/06/95-12/06/95	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/06/95-12/06/95	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/06/95-12/06/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	12/06/95-12/06/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/06/95-12/06/95	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/06/95-12/06/95	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/06/95-12/06/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	12/06/95-12/06/95	1	195.	195.	195.	195.	0.	0.	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	12/06/95-12/06/95	1	83.	83.	83.	83.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/95-12/06/95	1	290.	290.	290.	290.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/06/95-12/06/95	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: ARCH0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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						
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						
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						

& - 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: ARCH0021

NPS Station ID: ARCH0021
LAT/LON: 38.535003/-109.490003
Agency: 112WRD
Date Created: 11/30/85
Location: (D-26-22)15CDC-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383206109292401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 5.40
On/Off RF1:
RF3 Index: 14030005001503.79
RF3 Mile Point: 8.10
Distance from RF3: 0.37
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/85-08/16/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/16/85-08/16/85	1	460.	460.	460.	460.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/16/85-08/16/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/16/85-08/16/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/85-08/16/85	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/16/85-08/16/85	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/16/85-08/16/85	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/85-08/16/85	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/16/85-08/16/85	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/16/85-08/16/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/16/85-08/16/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/16/85-08/16/85	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/16/85-08/16/85	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/16/85-08/16/85	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/16/85-08/16/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/16/85-08/16/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/16/85-08/16/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/16/85-08/16/85	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/16/85-08/16/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/16/85-08/16/85	1	780.	780.	780.	780.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/16/85-08/16/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/16/85-08/16/85	1	287.	287.	287.	287.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: ARCH0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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									
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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									

& - 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: ARCH0022

NPS Station ID: ARCH0022 LAT/LON: 38.535003/-109.490282 Agency: 21UTDHDW Date Created: 05/26/90
Location: MOAB - SPRING #1 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/MUN/INTAKE/NONAMB/SPRING/SUPPLY STORET Station ID(s): 1000301 /UT4900291001
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 3.90 On/Off RF1:
RF3 Index: 14030005002100.00 RF3 Mile Point: 3.57 Distance from RF3: 0.58 On/Off RF3:
Description:
NOTE: THIS IS A PUBLIC DRINKING WATER SOURCE * * * NOTE: THE SECONDARY STATION CODE IS EPA'S FRDS2 PWS-ID #
SYSTEM TYPE: COMMUNITY-POLITICAL SUBDIV SERVICE AREA TYPE: RESIDENTIAL AREA
ATE ENGINEER'S WATER USER CLAIM NUMBER IS: 05-251 GS NUMBER FOR THIS SITE IS: 383206109292401

Parameter Inventory for Station: ARCH0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/06/78-02/06/90	6	0.35	0.467	1.2	0.1	0.147	0.383	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/01/64-02/06/90	7	431.	423.	482.	375.	1340.333	36.611	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/01/64-02/06/90	7	7.7	7.814	8.5	7.	0.298	0.546	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/01/64-02/06/90	7	7.7	7.544	8.5	7.	0.383	0.619	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/01/64-02/06/90	7	0.02	0.029	0.1	0.003	0.001	0.034	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/30/81-02/06/90	4	3.5	6.75	19.	1.	69.583	8.342	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/01/64-02/06/90	7	116.	120.286	144.	101.	225.905	15.03	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/06/78-02/06/90	6	145.	146.167	176.	120.	381.767	19.539	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/06/78-08/25/87	3	1.	1.833	4.	0.5	3.583	1.893	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-02/06/90	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	6 ##	0.005	0.012	0.025	0.005	0.	0.01	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/01/64-02/06/90	7	0.6	0.771	1.8	0.3	0.229	0.479	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/01/64-02/06/90	7	200.	198.286	225.	162.	374.905	19.362	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/01/64-02/06/90	7	49.	47.286	54.	37.	27.905	5.282	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/01/64-02/06/90	7	20.	19.429	22.	17.	3.286	1.813	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/01/64-02/06/90	7	14.	14.714	20.	10.	13.905	3.729	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/01/64-02/06/90	7	2.	1.857	2.	1.	0.143	0.378	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/01/64-02/06/90	7	12.	11.714	24.	5.	37.571	6.13	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/01/64-02/06/90	7	82.	83.429	110.	58.	398.619	19.965	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/01/64-02/06/90	7	0.16	0.166	0.2	0.14	0.	0.021	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/01/64-02/06/90	7	10.	10.571	12.	10.	0.619	0.787	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/30/81-02/06/90	5 ##	0.5	0.9	2.5	0.5	0.8	0.894	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	04/01/64-06/06/78	2	50.	50.	90.	10.	3200.	56.569	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	06/30/81-02/06/90	5 ##	0.025	0.033	0.05	0.025	0.	0.012	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	04/01/64-07/27/81	4 ##	72.5	82.5	160.	25.	4675.	68.374	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/30/81-02/06/90	5 ##	0.5	0.6	1.	0.5	0.05	0.224	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/06/78-02/06/90	6 ##	2.5	2.167	2.5	0.5	0.667	0.816	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/30/81-02/06/90	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040	COPPER, DISSOLVED (UG/L AS CU)	06/06/78-06/06/78	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/30/81-02/06/90	5 ##	10.	8.	10.	5.	7.5	2.739	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	04/01/64-06/06/78	2 ##	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/30/81-02/06/90	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/30/81-02/06/90	5 ##	5.	5.2	6.	5.	0.2	0.447	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/78-06/06/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/30/81-07/27/81	2 ##	10.	10.	15.	5.	50.	7.071	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	06/30/81-02/06/90	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	04/01/64-06/06/78	2	17.5	17.5	20.	15.	12.5	3.536	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/30/81-02/06/90	5	10.	29.	60.	5.	805.	28.373	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	06/30/81-02/06/90	5 ##	0.25	0.35	0.5	0.25	0.019	0.137	**	**	**	**
01501	ALPHA, TOTAL	05/18/81-02/06/90	7	2.	2.	4.	0.5	1.583	1.258	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34391	HEXACHLOROBUTADIENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/06/78-06/06/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38760	DBCP WATER, TOTUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/01/64-02/06/90	7	272.	287.286	400.	223.	3523.238	59.357	**	**	**	**
71830	HYDROXIDE ION (MG/L AS OH)	04/01/64-06/06/78	2 ##	0.053	0.053	0.1	0.005	0.005	0.067	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/01/64-04/01/64	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/06/78-02/06/90	6 ##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	04/01/64-02/06/90	7	0.04	0.092	0.3	0.015	0.011	0.103	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77128	STYRENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77135	O-XYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	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: ARCH0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	09/18/89-09/18/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78132	P-XYLENE IN WHOLE WATER UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81522	DIBROMOETHANE WHL WATER SMPL UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81555	BROMOBENZENE WHL WATER SMPL UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	6	0	0.00	2	0	0.00	2	0	0.00				2	0	0.00
00403	PH, LAB	Fresh Chronic	9.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	2	0	0.00	2	0	0.00				2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	250.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	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.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	50.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00							1	0	0.00	1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	2	0	0.00	2	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
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	5.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	6	0	0.00	2	0	0.00	2	0	0.00				2	0	0.00
		Drinking Water	100.	6	0	0.00	2	0	0.00	2	0	0.00				2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00	2	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
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	1300.	5	0	0.00	2	0	0.00	2	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
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	15.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	100.	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

EPA Water Quality Criteria Analysis for Station: ARCH0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	100.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00							1	0	0.00	1	0	0.00
		Drinking Water	5000.	2	0	0.00							1	0	0.00	1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	5000.	5	0	0.00	2	0	0.00	2	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.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	50.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34391	HEXACHLOROBUTADIENE, TOTAL	Fresh Acute	90.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00									
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00									
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00												
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	2	0	0.00	2	0	0.00				2	0	0.00
		Drinking Water	2.	6	0	0.00	2	0	0.00	2	0	0.00				2	0	0.00
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00	1	0	0.00									
77128	STYRENE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	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: ARCH0023

NPS Station ID: ARCH0023
LAT/LON: 38.540000/-109.495500
Agency: 21UTAH
Date Created: 03/16/96
Location: MCCONKIE SPRING (D-26-22) 15CBB-S2
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 598056
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/95-04/30/97	3	15.5	15.4	15.9	14.8	0.31	0.557	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/06/95-12/06/95	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/06/95-04/30/97	3	357.	360.333	375.	349.	177.333	13.317	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/95-12/06/95	1	343.	343.	343.	343.	0.	0.	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	12/06/95-12/06/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/06/95-12/06/95	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/06/95-12/06/95	1	8.11	8.11	8.11	8.11	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/06/95-12/06/95	1	8.11	8.11	8.11	8.11	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/95-12/06/95	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	12/06/95-12/06/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/06/95-01/22/97	2	7.8	7.8	7.9	7.7	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/06/95-01/22/97	2	7.789	7.789	7.9	7.7	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/95-01/22/97	2	0.016	0.016	0.02	0.013	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	1	107.	107.	107.	107.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/06/95-12/06/95	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	12/06/95-12/06/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/06/95-12/06/95	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/95-12/06/95	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/06/95-12/06/95	1	0.315	0.315	0.315	0.315	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/95-12/06/95	1	1.75	1.75	1.75	1.75	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/95-12/06/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/06/95-12/06/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	1	154.9	154.9	154.9	154.9	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/95-12/06/95	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/95-12/06/95	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/95-12/06/95	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/95-12/06/95	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	12/06/95-12/06/95	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	12/06/95-12/06/95	1	55.5	55.5	55.5	55.5	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/06/95-12/06/95	1	56.	56.	56.	56.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/06/95-12/06/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/06/95-12/06/95	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/06/95-12/06/95	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/06/95-12/06/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	12/06/95-12/06/95	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: ARCH0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/06/95-12/06/95	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/06/95-12/06/95	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/06/95-12/06/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01501	ALPHA, TOTAL	01/22/97-01/22/97	1	14.3	14.3	14.3	14.3	0.	0.	**	**	**	**
01503	ALPHA, DISSOLVED	04/30/97-04/30/97	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03503	BETA, DISSOLVED	04/30/97-04/30/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
09503	RADIUM 226, DISSOLVED	04/30/97-04/30/97	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	12/06/95-12/06/95	1	126.	126.	126.	126.	0.	0.	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	12/06/95-12/06/95	1	63.	63.	63.	63.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/95-12/06/95	1	200.	200.	200.	200.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/06/95-12/06/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	04/30/97-04/30/97	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
81366	RADIUM-228,DISSOLVED (PC/L AS RA-228)	04/30/97-04/30/97	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: ARCH0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 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	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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						
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						
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	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						

& - 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: ARCH0024

NPS Station ID: ARCH0024
LAT/LON: 38.548338/-109.486671
Agency: 112WRD
Date Created: 02/28/78
Location: (D-26-22)15CBB-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383254109291201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 3.60
On/Off RF1:
RF3 Index: 14030005001500.00
RF3 Mile Point: 3.23
Distance from RF3: 0.50
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/67-10/19/67	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/19/67-10/19/67	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/19/67-10/19/67	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/19/67-10/19/67	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/67-10/19/67	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/19/67-10/19/67	1	132.	132.	132.	132.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/19/67-10/19/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/19/67-10/19/67	1	136.	136.	136.	136.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/19/67-10/19/67	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/19/67-10/19/67	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/19/67-10/19/67	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/19/67-10/19/67	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/19/67-10/19/67	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/19/67-10/19/67	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/19/67-10/19/67	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/19/67-10/19/67	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/19/67-10/19/67	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/19/67-10/19/67	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/19/67-10/19/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/19/67-10/19/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/19/67-10/19/67	1	172.	172.	172.	172.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/19/67-10/19/67	1	174.	174.	174.	174.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/19/67-10/19/67	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/19/67-10/19/67	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: ARCH0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ARCH0025

NPS Station ID: ARCH0025
LAT/LON: 38.552198/-109.354699
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17295
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ARCH_NURE_23 /1041185
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WARNER LAKE UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/78-06/24/78	1	26.6	26.6	26.6	26.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/78-06/24/78	1	175.	175.	175.	175.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/78-06/24/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/78-06/24/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/78-06/24/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/78-06/24/78	1	22.8	22.8	22.8	22.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/78-06/24/78	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/24/78-06/24/78	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/24/78-06/24/78	1	298.	298.	298.	298.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/24/78-06/24/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/24/78-06/24/78	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/24/78-06/24/78	1	566.	566.	566.	566.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/24/78-06/24/78	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/24/78-06/24/78	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/24/78-06/24/78	1	72.	72.	72.	72.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/24/78-06/24/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/24/78-06/24/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/24/78-06/24/78	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/24/78-06/24/78	1	4335.	4335.	4335.	4335.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0026

NPS Station ID: ARCH0026
LAT/LON: 38.552503/-109.538892
Agency: 112WRD
Date Created: 02/28/78
Location: (D-26-22) 7CCA-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383309109322001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.90
On/Off RF1:
RF3 Index: 14030005001700.00
RF3 Mile Point: 2.97
Distance from RF3: 0.22
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/68-03/07/68	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	03/07/68-03/07/68	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/07/68-03/07/68	1	950.	950.	950.	950.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/68-03/07/68	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/68-03/07/68	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/68-03/07/68	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/07/68-03/07/68	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/07/68-03/07/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/07/68-03/07/68	1	448.	448.	448.	448.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/07/68-03/07/68	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/07/68-03/07/68	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/07/68-03/07/68	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/07/68-03/07/68	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	03/07/68-03/07/68	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/07/68-03/07/68	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/07/68-03/07/68	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/07/68-03/07/68	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/07/68-03/07/68	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/07/68-03/07/68	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/07/68-03/07/68	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/07/68-03/07/68	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/07/68-03/07/68	1	717.	717.	717.	717.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/07/68-03/07/68	1	684.	684.	684.	684.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/07/68-03/07/68	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	03/07/68-03/07/68	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: ARCH0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00				1	1	1.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ARCH0027

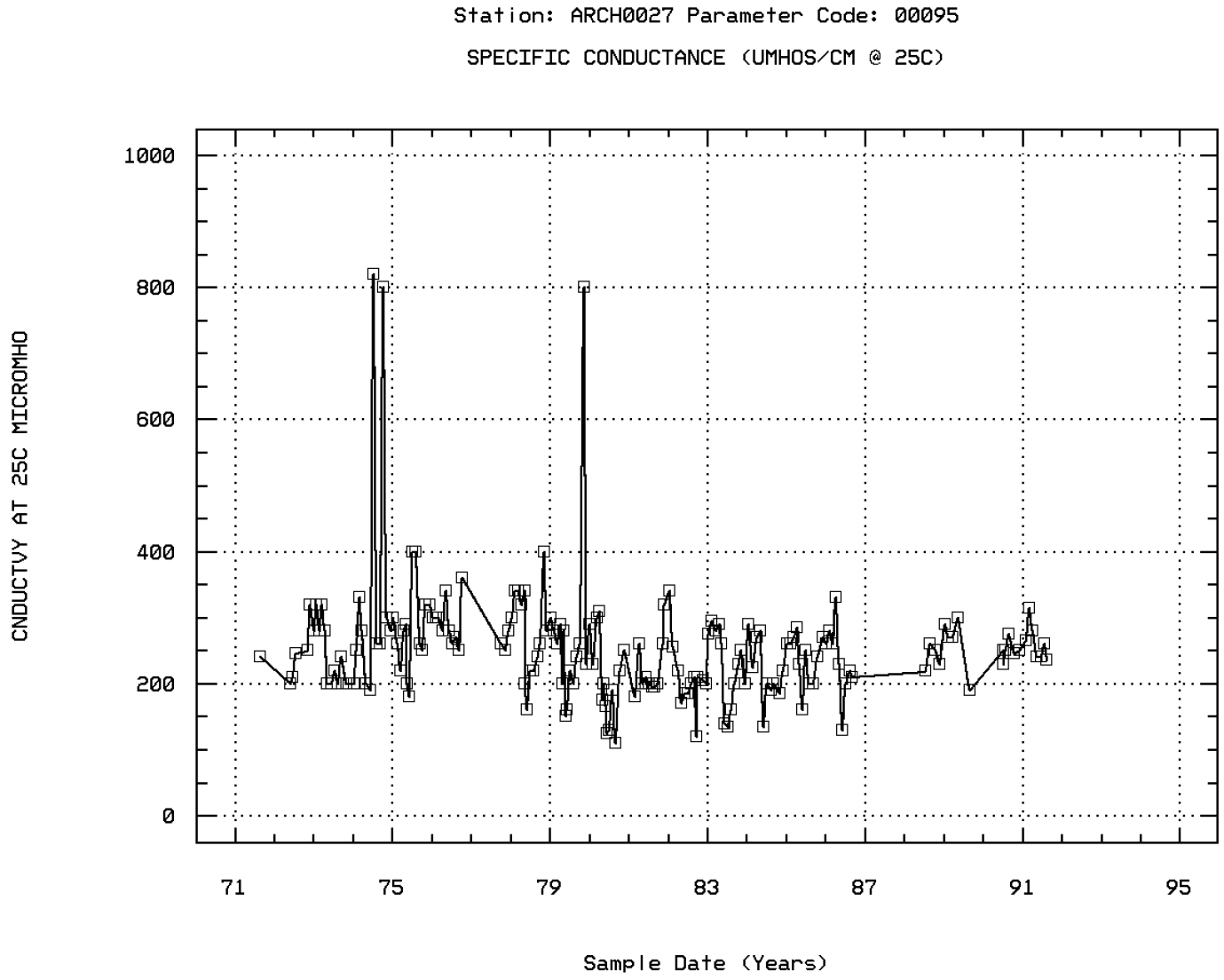
NPS Station ID: ARCH0027
LAT/LON: 38.562226/-109.513338
Agency: 112WRD
Date Created: / /
Location: MILL CREEK NEAR MOAB, UTAH
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 09184000
RMI-Indexes: 1101000 011480
Within Park Boundary: No
RMI-Miles: 0992.20 0003.50
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 6.30
On/Off RF1:
RF3 Index: 14030005021800.00
RF3 Mile Point: 1.31
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	195	12.5	12.559	30.5	0.	57.629	7.591	1.5	6.5	18.5	22.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/29/84-08/08/91	25	22.	17.	33.	-5.	127.792	11.304	2.4	-4.25	25.5	28.8
00060	FLOW, STREAM, MEAN DAILY CFS	08/20/71-09/07/76	40	14.	30.5	118.	8.	903.231	30.054	10.	11.	39.5	91.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	159	9.	15.478	230.	3.	605.226	24.601	5.	6.	12.	37.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	185	250.	253.189	820.	110.	7999.828	89.442	183.	200.	280.	320.
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	04/30/73-09/07/76	14	47.	41.5	86.	6.	711.346	26.671	8.5	16.	67.25	78.
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	04/30/73-09/07/76	14	52.5	47.714	86.	7.	928.066	30.464	10.	19.5	81.75	85.5
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	04/30/73-09/07/76	9	75.	62.556	98.	18.	961.028	31.	18.	29.	92.	98.
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	04/30/73-09/07/76	14	91.	74.071	100.	20.	828.225	28.779	28.5	44.	97.5	100.
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	04/30/73-08/01/76	12	96.	89.167	100.	61.	173.97	13.19	64.3	78.	99.	99.7
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	04/30/73-07/15/75	11	100.	99.091	100.	97.	1.691	1.3	97.	98.	100.	100.
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	05/18/73-06/04/75	4	100.	100.	100.	100.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	04/30/73-09/07/76	14	1021.	1722.5	6240.	269.	2797407.346	1672.545	291.5	548.25	2905.	4745.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	04/30/73-09/07/76	14	124.	257.393	1180.	7.5	125491.007	354.247	11.75	54.75	247.	1049.
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	05/18/73-05/18/73	1	2.	2.	2.	2.	0.	0.	**	**	**	**
80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	05/18/73-05/18/73	1	11.	11.	11.	11.	0.	0.	**	**	**	**
80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	05/18/73-05/18/73	1	31.	31.	31.	31.	0.	0.	**	**	**	**
80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	05/18/73-05/18/73	1	39.	39.	39.	39.	0.	0.	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	05/18/73-05/18/73	1	42.	42.	42.	42.	0.	0.	**	**	**	**
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	05/18/73-05/18/73	1	44.	44.	44.	44.	0.	0.	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	05/18/73-05/18/73	1	46.	46.	46.	46.	0.	0.	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	05/18/73-05/18/73	1	51.	51.	51.	51.	0.	0.	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	05/18/73-05/18/73	1	62.	62.	62.	62.	0.	0.	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	05/18/73-05/18/73	1	68.	68.	68.	68.	0.	0.	**	**	**	**
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	05/18/73-05/18/73	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

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



MILL CREEK NEAR MOAB, UTAH

Annual Analysis for 1971 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	1	240.	240.	240.	240.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	5	19.5	15.6	27.	1.5	104.175	10.207	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	5	245.	245.	320.	200.	2225.	47.17	**	**	**	**

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

Annual Analysis for 1973 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	12	8.75	10.667	28.	0.	81.742	9.041	0.	1.875	16.	26.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	12	230.	245.	320.	200.	2336.364	48.336	200.	200.	280.	320.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	14	8.5	10.929	26.	0.	80.571	8.976	0.	3.25	20.25	25.25
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	3	8.	8.333	10.	7.	2.333	1.528	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	12	270.	347.5	820.	190.	48438.636	220.088	193.	212.5	322.5	814.

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

Annual Analysis for 1975 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	19	12.5	13.816	28.	0.	62.45	7.903	4.	7.	21.	25.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	13	11.	16.923	53.	7.	194.41	13.943	7.4	9.	21.	47.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	13	280.	283.077	400.	180.	4506.41	67.13	188.	235.	320.	400.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	12	11.5	12.708	19.	0.	32.384	5.691	2.4	9.5	18.	19.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	12	9.5	10.5	22.	5.	17.	4.123	6.2	9.	10.	19.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	10	290.	294.	360.	250.	1182.222	34.383	251.	267.5	310.	358.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	3	8.	10.667	17.	7.	30.333	5.508	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	3	7.	6.	7.	4.	3.	1.732	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	3	260.	263.333	280.	250.	233.333	15.275	**	**	**	**

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

Annual Analysis for 1978 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	13	16.	13.423	27.	0.5	69.869	8.359	1.1	5.75	19.	25.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	13	8.	13.615	42.	4.	131.756	11.479	4.4	7.	17.	38.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	13	280.	278.462	400.	160.	4764.103	69.022	176.	220.	340.	376.

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

Annual Analysis for 1979 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	14	13.	12.179	27.	0.	81.6	9.033	0.	3.75	20.125	24.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	14	10.5	19.571	54.	6.	241.187	15.53	7.	8.75	31.	49.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	14	250.	276.429	800.	150.	24870.879	157.705	155.	200.	282.5	550.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	13	13.	11.846	24.5	0.	55.224	7.431	0.4	5.25	17.5	21.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	13	12.	24.538	72.	6.	548.436	23.419	6.	6.	44.	66.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	13	200.	207.308	310.	110.	4490.064	67.008	116.	147.5	270.	306.

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

Annual Analysis for 1981 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	11	17.	14.	22.	3.	38.55	6.209	3.4	8.5	18.	21.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	11	7.	7.182	12.	4.	7.764	2.786	4.	5.	10.	11.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	11	200.	220.	320.	180.	1775.	42.131	183.	195.	260.	308.

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

Annual Analysis for 1982 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	12	13.	11.042	17.5	1.	30.112	5.487	1.9	5.75	15.875	17.35
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	12	9.5	21.083	153.	3.	1735.538	41.66	3.9	6.5	12.75	111.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	12	202.5	208.333	340.	120.	2742.424	52.368	135.	185.	217.5	314.5

** - 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 1983 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	12	10.75	11.583	26.5	0.	57.22	7.564	1.05	6.5	15.375	25.15
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	12	9.	20.5	95.	4.	785.727	28.031	4.3	5.25	18.5	84.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	12	240.	226.25	295.	135.	3391.477	58.236	136.5	170.	278.75	293.5

** - 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 1984 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	10	9.5	10.5	23.	0.	65.611	8.1	0.15	2.25	19.125	22.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	10	15.	36.1	230.	10.	4654.767	68.226	10.1	11.75	19.	209.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	10	210.	219.5	290.	135.	2352.5	48.503	140.	188.75	272.5	289.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	11	12.5	13.273	30.5	5.	55.668	7.461	5.1	6.5	19.	28.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	11	8.	9.455	22.	4.	29.673	5.447	4.	5.	13.	20.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	11	250.	238.636	285.	160.	1440.455	37.953	168.	200.	270.	282.

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

Annual Analysis for 1986 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	9	12.5	12.389	21.	2.5	42.736	6.537	2.5	6.75	18.75	21.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	9	7.	12.222	49.	4.	198.444	14.087	4.	6.	12.	49.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	9	230.	235.556	330.	130.	3177.778	56.372	130.	205.	270.	330.

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

Annual Analysis for 1988 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	6	19.	16.25	19.5	2.	48.975	6.998	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	6	8.	8.	10.	5.	4.	2.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	6	240.	240.	260.	220.	360.	18.974	**	**	**	**

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

Annual Analysis for 1989 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	5	12.	11.2	26.5	0.	102.075	10.103	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	5	5.	5.2	7.	4.	1.2	1.095	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	5	270.	264.	300.	190.	1880.	43.359	**	**	**	**

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

Annual Analysis for 1990 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	6	17.75	15.	20.	2.	48.7	6.979	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	5	6.	5.6	6.	5.	0.3	0.548	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	6	250.	250.	275.	230.	210.	14.491	**	**	**	**

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

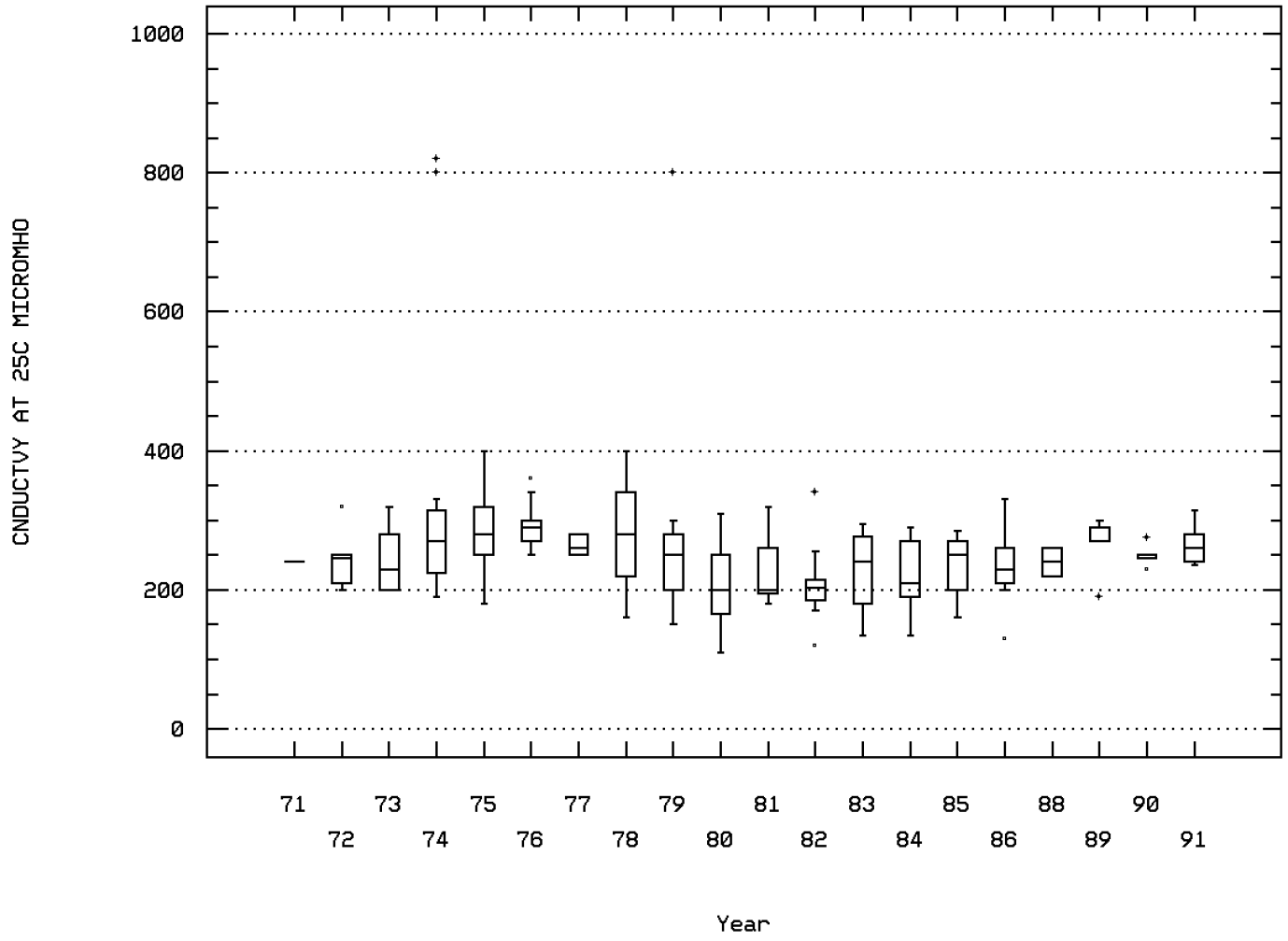
Annual Analysis for 1991 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	7	14.	12.643	25.	0.	71.393	8.449	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	7	7.	6.714	9.	4.	2.571	1.604	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	7	260.	262.143	315.	235.	807.143	28.41	**	**	**	**

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

Station: ARCH0027 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



MILL CREEK NEAR MOAB, UTAH

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	53	19.	19.434	30.5	11.	20.933	4.575	13.	17.	22.5	26.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/29/84-08/08/91	10	24.25	24.25	33.	16.	24.569	4.957	16.25	21.125	27.	32.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	44	9.	12.864	153.	4.	480.26	21.915	6.	7.	11.75	15.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	50	227.5	252.1	820.	110.	15428.663	124.212	190.	200.	260.	274.5

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	71	4.5	4.965	14.	0.	17.267	4.155	0.	1.	8.5	11.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/29/84-08/08/91	9	5.5	5.5	23.	-5.	95.063	9.75	0.	2.25	7.5	23.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	59	7.	7.576	20.	3.	12.283	3.505	4.	5.	9.	12.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	71	270.	277.535	800.	180.	5734.195	75.724	201.	250.	300.	320.

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	37	13.	13.23	27.	5.	23.425	4.84	7.7	9.5	17.	19.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/29/84-08/08/91	3	16.5	18.167	26.	12.	51.083	7.147	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	30	11.5	17.1	54.	5.	184.645	13.588	6.	7.	23.75	38.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	34	265.	252.353	340.	150.	2704.902	52.009	187.5	200.	290.	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 box-and-whisker plot

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/71-08/08/91	34	17.5	16.971	28.	8.5	23.075	4.804	10.75	12.875	20.25	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/29/84-08/08/91	3	27.	26.167	28.	23.5	5.583	2.363	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/08/91	26	17.5	35.962	230.	5.	2157.398	46.448	6.7	9.	50.	78.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/71-08/08/91	30	200.	198.333	400.	125.	3202.299	56.589	130.5	160.	222.5	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

Station Inventory for Station: ARCH0028

NPS Station ID: ARCH0028
LAT/LON: 38.562667/-109.506833
Agency: 21UTAH
Date Created: / /
Location: SOUTH FK MILL CK
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495643
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/99-12/21/99	2	10.6	10.6	21.2	0.	224.72	14.991	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/29/99-07/29/99	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/29/99-12/21/99	2	6.1	6.1	6.2	6.	0.02	0.141	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/29/99-12/21/99	2	16.82	16.82	30.3	3.34	363.421	19.064	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/99-12/21/99	2	1306.5	1306.5	2410.	203.	2435424.5	1560.585	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/29/99-12/21/99	2	224.5	224.5	251.	198.	1404.5	37.477	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/29/99-12/21/99	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/29/99-12/21/99	2	8.12	8.12	8.15	8.09	0.002	0.042	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/29/99-12/21/99	2	8.119	8.119	8.15	8.09	0.002	0.042	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/99-12/21/99	2	0.008	0.008	0.008	0.007	0.	0.001	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/29/99-12/21/99	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/29/99-12/21/99	2	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/29/99-12/21/99	2	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/99-12/21/99	2	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/99-12/21/99	2	100.5	100.5	113.	88.	312.5	17.678	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/29/99-12/21/99	2	122.5	122.5	137.	108.	420.5	20.506	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/29/99-12/21/99	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/99-12/21/99	2	32.8	32.8	47.6	18.	438.08	20.93	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/99-12/21/99	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/99-12/21/99	2	0.026	0.026	0.028	0.023	0.	0.004	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/99-12/21/99	2	120.45	120.45	138.7	102.2	666.125	25.809	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/29/99-12/21/99	2	37.	37.	42.	32.	50.	7.071	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/29/99-12/21/99	2	6.845	6.845	8.25	5.44	3.948	1.987	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/29/99-12/21/99	2	3.42	3.42	4.04	2.8	0.769	0.877	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/29/99-12/21/99	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/29/99-12/21/99	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/29/99-12/21/99	2 ##	17.	17.	24.	10.	98.	9.899	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/29/99-12/21/99	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/29/99-12/21/99	2	120.	120.	130.	110.	200.	14.142	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/29/99-12/21/99	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/29/99-12/21/99	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/29/99-12/21/99	2 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/29/99-12/21/99	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/29/99-12/21/99	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/29/99-12/21/99	2	15.	15.	19.	11.	32.	5.657	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/29/99-12/21/99	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/29/99-12/21/99	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/29/99-12/21/99	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/29/99-12/21/99	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/29/99-12/21/99	2	85.5	85.5	91.	80.	60.5	7.778	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/29/99-12/21/99	2	48.	48.	55.	41.	98.	9.899	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/29/99-12/21/99	2	138.	138.	156.	120.	648.	25.456	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/29/99-12/21/99	2 ##	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: ARCH0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	0	0.00	1	0	0.00	1	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0029

NPS Station ID: ARCH0029 | LAT/LON: 38.562809/-109.505310 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17015 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_08 /1041145
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/78-07/01/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/78-07/01/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/78-07/01/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/78-07/01/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/78-07/01/78	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/78-07/01/78	1	27.1	27.1	27.1	27.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/78-07/01/78	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/01/78-07/01/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/01/78-07/01/78	1	178.	178.	178.	178.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/01/78-07/01/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/01/78-07/01/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/01/78-07/01/78	1	354.	354.	354.	354.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/01/78-07/01/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/01/78-07/01/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/01/78-07/01/78	1	47.	47.	47.	47.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/01/78-07/01/78	1	66.	66.	66.	66.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/01/78-07/01/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/01/78-07/01/78	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/01/78-07/01/78	1	5529.	5529.	5529.	5529.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0030

NPS Station ID: ARCH0030
LAT/LON: 38.564167/-109.548833
Agency: 21UTAH
Date Created: 12/09/83
Location: PACK CK AT U91 XING
FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495646
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005016
RF1 Mile Point: 0.100
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 14030004000300.00
RF3 Mile Point: 0.17
Distance from RF3: 0.01
On/Off RF3:
Description:
HYDROLOGIC UNIT=14030005

Parameter Inventory for Station: ARCH0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/82-06/24/98	16	13.77	13.383	26.9	0.1	57.445	7.579	3.25	6.598	19.335	23.61
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/13/82-06/24/98	15	4.	4.827	18.	0.2	18.192	4.265	0.32	2.	6.	12.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/13/82-06/24/98	16	5.65	24.563	228.	1.03	3096.429	55.646	1.1	2.563	23.25	96.82
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/13/82-06/24/98	16	1576.5	1246.313	1796.	340.	308838.629	555.733	417.	658.	1712.5	1742.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/13/82-06/24/98	16	1515.	1198.	1660.	382.	254755.867	504.733	457.6	643.5	1600.	1625.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/31/97-06/24/98	12	0.	11.25	135.	0.	1518.75	38.971	0.	0.	0.	94.5
00300	OXYGEN, DISSOLVED MG/L	07/13/82-06/24/98	15	8.65	8.971	11.57	7.5	1.532	1.238	7.56	7.9	9.81	11.348
00335	COD, .025N K2CR2O7 MG/L	07/13/82-12/29/82	4 ##	5.	4.75	5.	4.	0.25	0.5	**	**	**	**
00400	PH (STANDARD UNITS)	07/31/97-06/24/98	12	8.16	8.128	8.37	7.86	0.018	0.134	7.893	8.028	8.205	8.325
00400	CONVERTED PH (STANDARD UNITS)	07/31/97-06/24/98	12	8.16	8.108	8.37	7.86	0.018	0.135	7.893	8.027	8.205	8.325
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/97-06/24/98	12	0.007	0.008	0.014	0.004	0.	0.003	0.005	0.006	0.009	0.013
00405	CARBON DIOXIDE (MG/L AS CO2)	07/13/82-06/03/98	15	3.	3.4	11.	2.	4.829	2.197	2.	2.	3.	6.8
00406	PH, FIELD, STANDARD UNITS SU	07/13/82-06/24/98	16	8.215	8.268	9.1	7.76	0.107	0.327	7.788	8.122	8.475	8.757
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/82-06/24/98	16	8.215	8.168	9.1	7.76	0.117	0.343	7.788	8.122	8.475	8.757
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/82-06/24/98	16	0.006	0.007	0.017	0.001	0.	0.005	0.002	0.003	0.008	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/13/82-06/24/98	16	210.	198.375	289.	99.	2114.783	45.987	116.5	168.	220.5	258.9
00440	BICARBONATE ION (MG/L AS HCO3)	07/13/82-06/24/98	16	256.	232.375	352.	0.	6408.117	80.051	84.	205.	269.	315.6
00445	CARBONATE ION (MG/L AS CO3)	07/31/97-06/24/98	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/13/82-06/24/98	16	18.8	55.513	440.	2.	11441.531	106.965	2.	10.9	59.9	208.72
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/13/82-06/24/98	16 ##	0.025	0.037	0.07	0.025	0.	0.015	0.025	0.025	0.05	0.058
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/13/82-12/29/82	4	0.2	0.2	0.3	0.1	0.007	0.082	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/13/82-09/18/97	5	0.25	0.602	2.11	0.15	0.714	0.845	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/31/97-06/24/98	11	2.01	2.281	8.44	0.3	4.696	2.167	0.352	1.41	2.16	7.314
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/13/82-06/24/98	10	0.058	0.082	0.259	0.008	0.007	0.085	0.008	0.017	0.125	0.253
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/97-06/24/98	9 ##	0.01	0.009	0.021	0.005	0.	0.005	0.005	0.005	0.012	0.021
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/13/82-12/29/82	4	5.85	15.925	49.2	2.8	494.449	22.236	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/13/82-06/24/98	16	699.35	554.063	777.4	173.9	53380.445	231.042	213.17	300.15	731.65	769.28
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/13/82-06/24/98	16	166.	136.713	195.	50.	3172.411	56.324	51.54	72.55	180.75	192.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/13/82-06/24/98	16	65.55	51.763	71.6	10.6	522.789	22.865	16.48	24.7	70.225	70.97
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/13/82-06/24/98	16	93.4	71.156	111.	13.6	1686.117	41.062	17.38	19.5	105.5	109.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/13/82-06/24/98	16	4.765	4.446	6.96	1.91	2.567	1.602	1.973	2.868	5.595	6.582
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/13/82-06/24/98	16	49.	39.844	77.5	6.	573.624	23.95	8.1	11.25	57.5	68.75
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/13/82-06/24/98	16	614.85	468.613	788.	83.9	79240.666	281.497	95.17	111.75	670.975	761.4
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/31/97-05/06/98	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/31/97-05/06/98	4	37.5	37.5	42.	33.	21.667	4.655	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/31/97-05/06/98	4 ##	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: ARCH0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/31/97-05/06/98	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/31/97-05/06/98	4 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/31/97-05/06/98	4 ##	10.	16.1	34.4	10.	148.84	12.2	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/31/97-05/06/98	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/97-05/06/98	4	31.	28.25	40.	11.	166.917	12.92	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/31/97-05/06/98	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/31/97-05/06/98	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/97-05/06/98	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/31/97-05/06/98	4	5.7	5.7	6.2	5.2	0.173	0.416	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/13/82-12/29/82	4 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/31/97-06/24/98	12	830.	754.917	979.	149.	63087.174	251.172	203.6	776.5	908.25	965.5
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/31/97-06/24/98	12	349.	312.333	382.	78.	9470.788	97.318	96.9	320.25	366.5	379.3
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/13/82-06/24/98	16	1197.	925.875	1304.	252.	202911.717	450.457	305.2	380.	1291.	1302.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/31/97-05/06/98	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4	1.	0.9	1.	0.6	0.04	0.2	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/13/82-12/29/82	4	0.11	0.091	0.12	0.025	0.002	0.045	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/13/82-12/29/82	4	0.175	0.183	0.22	0.16	0.001	0.026	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4	107.5	102.5	135.	60.	975.	31.225	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4 ##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/13/82-12/29/82	4	10.	13.75	25.	10.	56.25	7.5	**	**	**	**

** - 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: ARCH0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	16	1	0.06	4	0	0.00	6	0	0.00	3	0	0.00	3	1	0.33
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00
00400	PH	Fresh Chronic	9.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	16	1	0.06	4	0	0.00	6	0	0.00	3	0	0.00	3	1	0.33
		Other-Lo Lim.	6.5	16	0	0.00	4	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	11	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	16	0	0.00	4	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00
		Drinking Water	250.	16	0	0.00	4	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	16	10	0.63	4	3	0.75	6	4	0.67	3	3	1.00	3	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	15.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	5.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	1300.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	15.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	2.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	5000.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00

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

Station Inventory for Station: ARCH0031

NPS Station ID: ARCH0031
LAT/LON: 38.564167/-109.505833
Agency: 21UTAH
Date Created: 03/24/79
Location: N FK MILL CK AT MOUTH
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495641
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005018
RF1 Mile Point: 0.250
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 14030005001400.00
RF3 Mile Point: 0.87
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/30/77-08/30/77	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/30/77-08/30/77	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/77-08/30/77	1	280.	280.	280.	280.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/30/77-08/30/77	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/30/77-08/30/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/30/77-08/30/77	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/30/77-08/30/77	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/30/77-08/30/77	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/30/77-08/30/77	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/30/77-08/30/77	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/30/77-08/30/77	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/30/77-08/30/77	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/30/77-08/30/77	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/30/77-08/30/77	1	122.	122.	122.	122.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/30/77-08/30/77	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/30/77-08/30/77	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/30/77-08/30/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/30/77-08/30/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/30/77-08/30/77	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/30/77-08/30/77	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/30/77-08/30/77	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/30/77-08/30/77	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/30/77-08/30/77	1	65.	65.	65.	65.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/30/77-08/30/77	1	144.	144.	144.	144.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/30/77-08/30/77	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/30/77-08/30/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/30/77-08/30/77	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0031

			Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	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: ARCH0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	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: ARCH0032

NPS Station ID: ARCH0032 | LAT/LON: 38.568892/-109.424392 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C16913 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_21 /1041132
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE RILL CREEK UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/78-06/27/78	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/27/78-06/27/78	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/27/78-06/27/78	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/27/78-06/27/78	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/78-06/27/78	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/27/78-06/27/78	1	28.7	28.7	28.7	28.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/27/78-06/27/78	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/27/78-06/27/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/27/78-06/27/78	1	328.	328.	328.	328.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/27/78-06/27/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/27/78-06/27/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/27/78-06/27/78	1	293.	293.	293.	293.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/27/78-06/27/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/27/78-06/27/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/27/78-06/27/78	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/27/78-06/27/78	1	157.	157.	157.	157.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/27/78-06/27/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/27/78-06/27/78	1	0.78	0.78	0.78	0.78	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/27/78-06/27/78	1	14208.	14208.	14208.	14208.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0033

NPS Station ID: ARCH0033
LAT/LON: 38.569667/-109.553000
Agency: 21UTAH
Date Created: 01/21/84
Location: PACK CK BL CNFL / MILL CK AT 500W XING IN MOAB
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495645
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005014
RF1 Mile Point: 1.360
Distance from RF1: 24.80
On/Off RF1: OFF
RF3 Index: 14060008032800.00
RF3 Mile Point: 3.57
Distance from RF3: 0.02
On/Off RF3:
Description:
USGS HYDROLOGIC UNIT=14030005

Parameter Inventory for Station: ARCH0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/83-06/15/83	2	10.05	10.05	12.	8.1	7.605	2.758	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/20/83-06/15/83	2	41.75	41.75	81.	2.5	3081.125	55.508	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/25/83-06/15/83	3	30.8	26.7	47.3	2.	525.63	22.927	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/25/83-06/15/83	2	397.5	397.5	575.	220.	63012.5	251.023	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/25/83-04/20/83	2	502.5	502.5	540.	465.	2812.5	53.033	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/25/83-06/15/83	2	7.75	7.75	8.8	6.7	2.205	1.485	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/25/83-06/15/83	2 ##	9.	9.	13.	5.	32.	5.657	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	02/25/83-06/15/83	3	3.	3.	4.	2.	1.	1.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	02/25/83-06/15/83	2	8.	8.	8.1	7.9	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/25/83-06/15/83	2	7.989	7.989	8.1	7.9	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/25/83-06/15/83	2	0.01	0.01	0.013	0.008	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/25/83-06/15/83	3	154.	158.	235.	85.	5637.	75.08	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/25/83-06/15/83	3	188.	192.667	286.	104.	8297.333	91.09	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/25/83-06/15/83	3	32.	80.167	207.	1.5	12297.583	110.894	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/25/83-06/15/83	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/25/83-06/15/83	3	0.4	0.333	0.5	0.1	0.043	0.208	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/25/83-06/15/83	3	0.16	0.17	0.21	0.14	0.001	0.036	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/25/83-06/15/83	3	0.02	0.037	0.08	0.01	0.001	0.038	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/25/83-06/15/83	3	4.3	3.667	6.2	0.5	8.423	2.902	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/25/83-06/15/83	3	258.	240.667	360.	104.	16609.333	128.877	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/25/83-06/15/83	3	68.	61.667	86.	31.	786.333	28.042	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/25/83-06/15/83	3	21.	20.667	35.	6.	210.333	14.503	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/25/83-06/15/83	3	20.	17.	23.	8.	63.	7.937	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/25/83-06/15/83	3	2.	2.	3.	1.	1.	1.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/25/83-06/15/83	3	13.	9.667	15.	1.	57.333	7.572	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/25/83-06/15/83	3	117.	92.	123.	36.	2361.	48.59	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	02/25/83-06/15/83	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/25/83-04/20/83	2	392.	392.	434.	350.	3528.	59.397	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3	1.2	1.567	2.5	1.	0.663	0.814	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	02/25/83-06/15/83	3	0.13	0.407	0.98	0.11	0.247	0.497	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3	10.	8.333	10.	5.	8.333	2.887	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	02/25/83-06/15/83	3	0.25	0.287	0.5	0.11	0.039	0.198	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3	110.	141.667	220.	95.	4658.333	68.252	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/25/83-06/15/83	3	10.	14.167	30.	2.5	202.083	14.216	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00				1	0	0.00	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
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				1	0	0.00				1	0	0.00
		Other-Lo Lim.	6.5	2	0	0.00				1	0	0.00				1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	250.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	50.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	50.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	5.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1300.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	15.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	2.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	5000.	3	0	0.00				1	0	0.00	1	0	0.00	1	0	0.00

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

Station Inventory for Station: ARCH0034

NPS Station ID: ARCH0034
LAT/LON: 38.570500/-109.577500
Agency: 21UTAH
Date Created: 01/16/79
Location: COLORADO R BL MOAB WWTP OUTFALL
FIPS State/County: 49037 UTAH/SAN JUAN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495654 /XC 992.10
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER MAIN STEM
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 0.140
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14030005001600.00
RF3 Mile Point: 0.03
Distance from RF3: 0.24
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-09/30/99	51	11.	11.507	24.7	0.	63.839	7.99	1.44	3.6	18.9	23.248
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/25/86-09/30/99	31	5782.	7536.419	32540.	0.	45248339.718	6726.689	3400.	4150.	8570.	20088.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-04/29/93	7	130.	234.143	1000.	11.	124015.143	352.158	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/16/85-12/09/99	48	964.5	901.875	1518.	132.	97742.878	312.639	391.1	660.5	1116.	1274.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-04/29/93	7	1535.	1317.	1735.	484.	204768.	452.513	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	04/29/93-04/29/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/16/85-12/09/99	45	8.6	8.631	12.28	6.	2.861	1.692	6.4	7.05	10.	11.188
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	32 ##	1.5	1.828	6.	0.5	0.994	0.997	1.	1.5	2.	3.
00400	PH (STANDARD UNITS)	01/28/75-04/29/93	12	8.	7.65	8.5	6.3	0.661	0.813	6.39	6.9	8.375	8.47
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-04/29/93	12	7.955	7.034	8.5	6.3	1.075	1.037	6.39	6.9	8.375	8.47
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-04/29/93	12	0.011	0.093	0.501	0.003	0.023	0.15	0.003	0.004	0.126	0.426
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-04/29/93	13	38.	48.538	149.	2.	2391.436	48.902	2.	12.5	62.	149.
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	50	8.3	8.293	8.9	7.4	0.093	0.305	7.91	8.1	8.5	8.681
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	50	8.3	8.177	8.9	7.4	0.107	0.326	7.91	8.1	8.5	8.681
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	50	0.005	0.007	0.04	0.001	0.	0.006	0.002	0.003	0.008	0.012
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-04/29/93	7	153.	147.429	182.	111.	579.952	24.082	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-04/29/93	7	186.	179.571	222.	135.	863.286	29.382	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/29/93-04/29/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	13	150.	531.554	2424.	5.6	579134.728	761.009	13.36	43.8	925.	2054.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-04/29/93	7	0.1	1.171	5.8	0.096	4.35	2.086	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/20/76-02/23/77	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-02/23/77	6	0.9	0.967	1.5	0.5	0.137	0.37	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/29/93-04/29/93	1	1.39	1.39	1.39	1.39	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/29/93-04/29/93	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/29/93-04/29/93	1	0.273	0.273	0.273	0.273	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	04/29/93-04/29/93	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-04/29/93	7	390.	404.043	585.	163.3	22056.246	148.513	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-04/29/93	7	96.	108.	172.	44.	1857.333	43.097	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-04/29/93	7	36.	32.571	45.	13.	123.619	11.118	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-04/29/93	7	130.	125.857	190.	31.	2588.476	50.877	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-04/29/93	7	6.	7.271	12.	2.9	10.049	3.17	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-04/29/93	7	125.	126.571	230.	23.	3750.952	61.245	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-04/29/93	7	325.	340.913	540.	94.392	25811.909	160.661	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-02/23/77	6	0.385	0.353	0.47	0.19	0.014	0.118	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/75-02/23/77	6	10.5	10.5	14.	8.	4.3	2.074	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/20/76-04/29/93	4	1.5	1.675	2.5	1.2	0.383	0.618	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	04/29/93-04/29/93	1	81.	81.	81.	81.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/28/75-02/23/77	6	72.5	109.833	230.	54.	5292.167	72.747	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-04/29/93	4	2.05	3.15	8.	0.5	10.99	3.315	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	04/29/93-04/29/93	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/28/75-07/20/76	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/28/75-04/29/93	6	10.	10.9	16.	9.4	6.3	2.51	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/75-04/29/93	6	22.5	31.833	86.	5.	998.167	31.594	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-04/29/93	4	6.55	9.9	25.	1.5	114.94	10.721	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/31/76-04/29/93	4	7.5	6.35	10.	0.4	21.29	4.614	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-10/06/76	5	10.	21.	50.	10.	305.	17.464	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-04/29/93	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-04/29/93	6	10.	12.5	20.	10.	17.5	4.183	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/28/75-04/29/93	6	0.6	1.367	5.	0.5	3.203	1.79	**	**	**	**
01501	ALPHA, TOTAL	05/01/85-05/11/95	28	7.5	11.268	65.	0.5	175.935	13.264	1.	2.5	12.	30.1
03501	BETA, TOTAL	09/02/75-05/11/95	29	15.	56.09	912.	3.	27693.119	166.412	5.	5.5	44.	62.
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	05/07/86-07/30/86	2	500.	500.	500.	500.	0.	0.	**	**	**	**
09501	RADIUM 226, TOTAL	05/01/85-05/11/95	28 ##	0.25	0.556	2.67	0.05	0.373	0.61	0.1	0.25	1.	1.19
11501	RADIUM 228, TOTAL	05/07/86-05/11/95	4	1.	1.375	3.	0.5	1.229	1.109	**	**	**	**
28012	URANIUM,NATURAL,TOTAL PCI/L AS U	02/16/95-02/16/95	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-08/10/93	9	1100.	1537.778	4600.	150.	2004044.444	1415.643	150.	330.	2300.	4600.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-08/10/93	9	3.041	2.98	3.663	2.176	0.248	0.498	2.176	2.498	3.362	3.663
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			955.64								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-08/10/93	9	40.	770.	4000.	11.	2019463.5	1421.078	11.	23.	1370.	4000.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-08/10/93	9	1.602	2.02	3.602	1.041	0.894	0.946	1.041	1.362	3.003	3.602
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			104.739								
61027	ANIONS, SUM, TOTAL IN WATER MG/L	04/29/93-12/09/99	25	0.	7.32	183.	0.	1339.56	36.6	0.	0.	0.	0.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	04/29/93-12/09/99	25	0.	3.64	91.	0.	331.24	18.2	0.	0.	0.	0.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-04/29/93	7	1004.	860.	1180.	324.	83354.667	288.712	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/31/76-02/23/77	4	0.055	0.05	0.06	0.03	0.	0.014	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	04/29/93-04/29/93	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-02/23/77	6	1.25	1.775	4.44	0.17	2.864	1.692	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	7	4	0.57	3	2	0.67	3	1	0.33	1	1	1.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	45	0	0.00	15	0	0.00	20	0	0.00	9	0	0.00	1	0	0.00
00400	PH	Fresh Chronic	9.	12	0	0.00	5	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	12	1	0.08	5	0	0.00	5	1	0.20	1	0	0.00	1	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	50	0	0.00	17	0	0.00	23	0	0.00	8	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	50	0	0.00	17	0	0.00	23	0	0.00	8	0	0.00	2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	3	0	0.00	3	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	250.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	7	5	0.71	3	3	1.00	3	2	0.67	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	6	0	0.00	3	0	0.00	3	0	0.00						
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00							1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	1	0.25	1	0	0.00	2	1	0.50	1	0	0.00			
		Drinking Water	5.	4	1	0.25	1	0	0.00	2	1	0.50	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00							1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	1300.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	15.	4	1	0.25	1	1	1.00	2	0	0.00	1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00	3	0	0.00	2	0	0.00						
		Drinking Water	100.	5	0	0.00	3	0	0.00	2	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	5000.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
07000	TRITIUM, TOTAL	Drinking Water	20000.	2	0	0.00	1	0	0.00				1	0	0.00			
09501	RADIUM 226, TOTAL	Drinking Water	5.	28	0	0.00	10	0	0.00	13	0	0.00	5	0	0.00			
11501	RADIUM 228, TOTAL	Drinking Water	5.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	9	5	0.56	4	4	1.00	3	0	0.00	1	1	1.00	1	0	0.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	9	3	0.33	4	2	0.50	3	0	0.00	1	1	1.00	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			

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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-09/30/99	19	22.	17.498	24.7	1.4	64.998	8.062	1.9	13.1	23.26	24.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/16/85-12/09/99	15	927.	917.667	1518.	348.	94769.952	307.847	429.6	671.	1174.	1383.6
00300	OXYGEN, DISSOLVED MG/L	07/16/85-12/09/99	15	6.9	7.327	9.	6.	1.142	1.069	6.06	6.4	8.2	9.
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	9	1.5	1.778	3.	1.	0.319	0.565	1.	1.5	2.	3.
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	17	8.4	8.382	8.9	8.	0.049	0.222	8.	8.245	8.5	8.66
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	17	8.4	8.33	8.9	8.	0.052	0.228	8.	8.245	8.5	8.66
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	17	0.004	0.005	0.01	0.001	0.	0.002	0.002	0.003	0.006	0.01
61027	ANIONS, SUM, TOTAL IN WATER MG/L	04/29/93-12/09/99	6	0.	0.	0.	0.	0.	0.	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	04/29/93-12/09/99	6	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-09/30/99	21	4.9	5.651	13.1	0.	18.12	4.257	0.292	1.99	9.91	12.28
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/16/85-12/09/99	23	1066.	1015.043	1438.	132.	76174.589	275.997	577.	960.	1150.	1283.2
00300	OXYGEN, DISSOLVED MG/L	07/16/85-12/09/99	20	10.15	9.872	12.28	6.7	2.169	1.473	7.6	8.838	11.11	11.494
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	15 ##	1.5	1.667	3.	0.5	0.56	0.748	0.8	1.5	1.5	3.
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	23	8.34	8.341	8.9	7.6	0.097	0.312	8.	8.1	8.52	8.82
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	23	8.34	8.23	8.9	7.6	0.11	0.331	8.	8.1	8.52	8.82
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	23	0.005	0.006	0.025	0.001	0.	0.005	0.002	0.003	0.008	0.01
61027	ANIONS, SUM, TOTAL IN WATER MG/L	04/29/93-12/09/99	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	04/29/93-12/09/99	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-09/30/99	9	13.	12.804	18.8	6.84	11.19	3.345	6.84	10.7	14.8	18.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/16/85-12/09/99	9	562.	571.	922.	383.	36076.	189.937	383.	420.5	703.5	922.
00300	OXYGEN, DISSOLVED MG/L	07/16/85-12/09/99	9	8.5	8.248	9.67	6.4	0.96	0.98	6.4	7.5	8.83	9.67
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	6 ##	1.5	2.5	6.	1.5	3.3	1.817	**	**	**	**
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	8	8.135	8.089	8.4	7.8	0.043	0.207	**	**	**	**
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	8	8.13	8.046	8.4	7.8	0.045	0.212	**	**	**	**
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	8	0.007	0.009	0.016	0.004	0.	0.004	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	04/29/93-12/09/99	6	0.	30.5	183.	0.	5581.5	74.709	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	04/29/93-12/09/99	6	0.	15.167	91.	0.	1380.167	37.151	**	**	**	**

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-09/30/99	2	10.25	10.25	18.9	1.6	149.645	12.233	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/16/85-12/09/99	1	1040.	1040.	1040.	1040.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/16/85-12/09/99	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	2 ##	1.25	1.25	1.5	1.	0.125	0.354	**	**	**	**
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	2	7.8	7.8	8.2	7.4	0.32	0.566	**	**	**	**
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	2	7.637	7.637	8.2	7.4	0.373	0.611	**	**	**	**
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	2	0.023	0.023	0.04	0.006	0.001	0.024	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	04/29/93-12/09/99	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

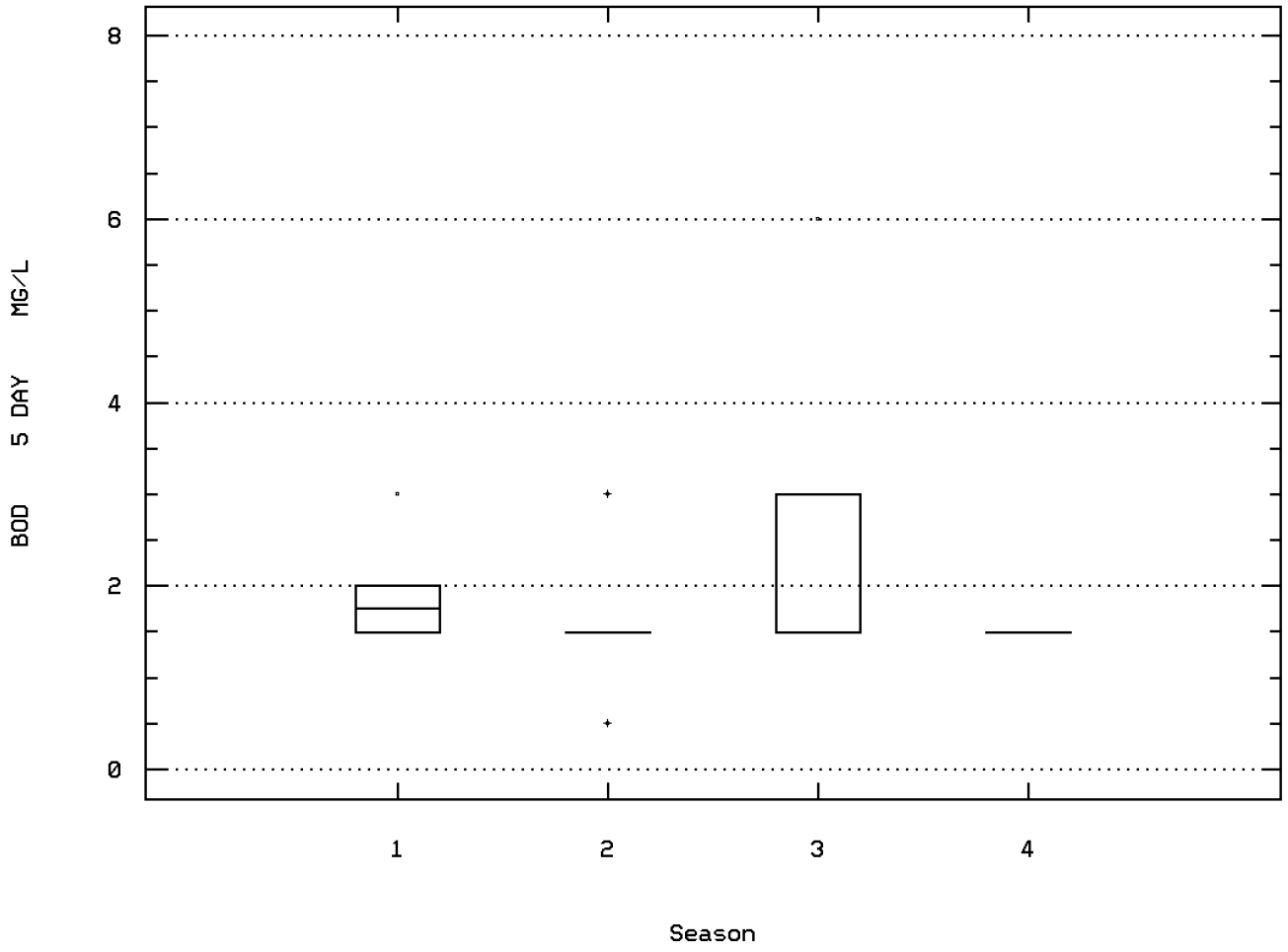
Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	04/29/93-12/09/99	1	0.	0.	0.	0.	0.	0.	**	**	**	**

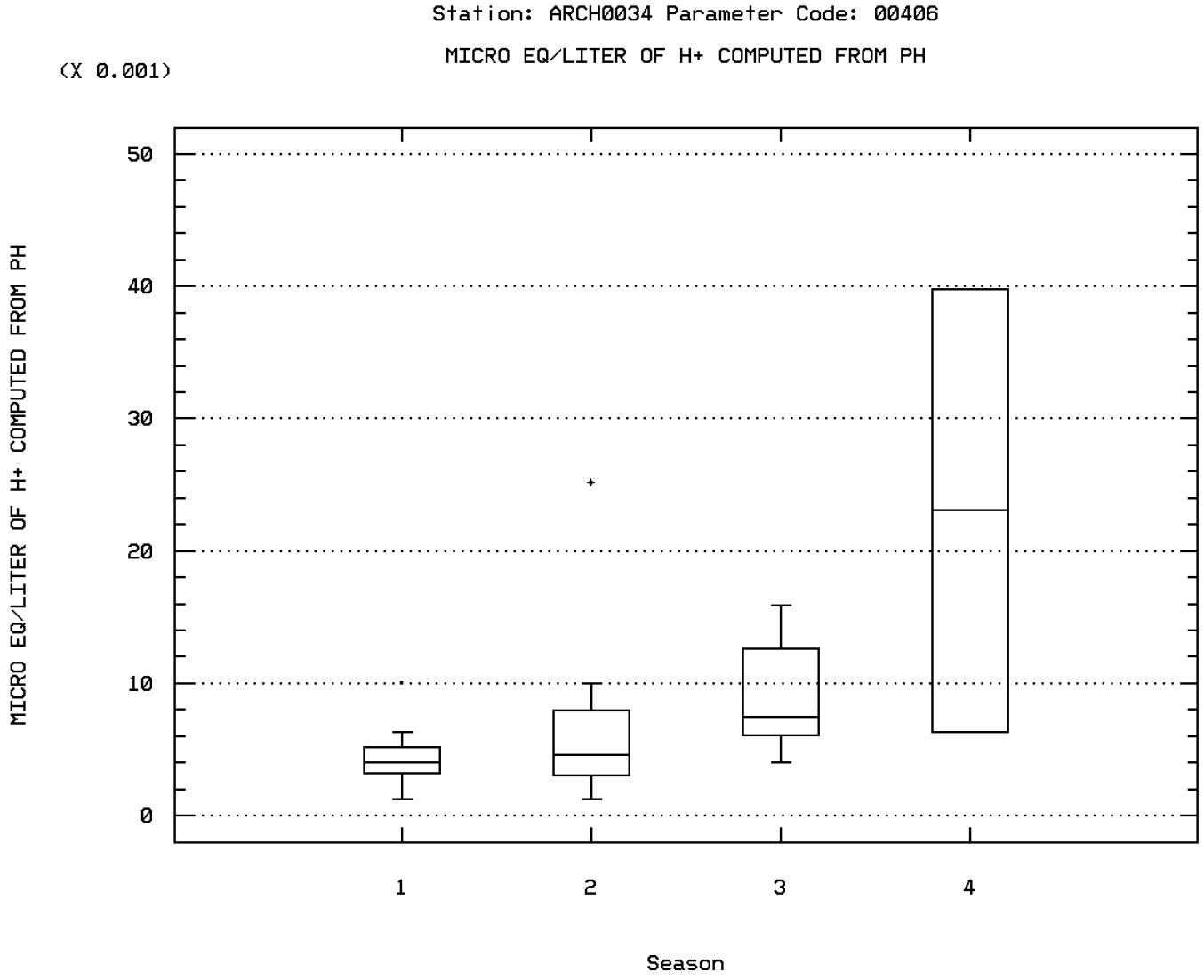
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: ARCH0034 Parameter Code: 00310

BOD, 5 DAY, 20 DEG C



COLORADO R BL MOAB WWTP OUTFALL



COLORADO R BL MOAB WWTP OUTFALL

Station Inventory for Station: ARCH0035

NPS Station ID: ARCH0035
LAT/LON: 38.571000/-109.550100
Agency: 21UTAH
Date Created: 11/30/85
Location: MILL CK AT U191 XING
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495639
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005014
RF1 Mile Point: 1.510
Distance from RF1: 1.10
On/Off RF1: OFF
RF3 Index: 14060008000700.00
RF3 Mile Point: 0.08
Distance from RF3: 0.05
On/Off RF3:
Description:
HYDROLOGIC CATALOGING UNIT-14030005
UTAH STATE CLASSIFICATION-3A,4
USGS 7.5 QUADRANGLE-MOAB 38700

Parameter Inventory for Station: ARCH0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/95-12/13/99	20	15.55	14.774	26.7	3.7	60.174	7.757	3.996	7.323	21.075	25.18
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/95-12/13/99	7	23.8	20.6	35.5	5.9	111.33	10.551	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/95-12/13/99	19	8.	8.934	50.	0.25	121.768	11.035	0.8	2.7	12.5	15.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/24/95-12/13/99	20	3.23	31.994	231.	0.641	4832.842	69.519	0.734	0.9	17.825	210.59
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/24/95-12/13/99	19	294.	428.263	2530.	172.	269623.871	519.253	177.	253.	345.	601.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/95-12/13/99	20	298.5	317.4	618.	195.	10058.042	100.29	196.7	257.	350.25	474.9
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/24/95-12/13/99	20	0.	42.7	854.	0.	36465.8	190.96	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	10/23/96-04/07/99	14	9.195	9.27	11.75	7.2	2.715	1.648	7.31	7.715	10.82	11.725
00400	PH (STANDARD UNITS)	07/24/95-12/13/99	20	8.215	8.197	8.77	7.72	0.063	0.252	7.884	7.988	8.365	8.544
00400	CONVERTED PH (STANDARD UNITS)	07/24/95-12/13/99	20	8.215	8.131	8.77	7.72	0.068	0.261	7.884	7.987	8.365	8.544
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/95-12/13/99	20	0.006	0.007	0.019	0.002	0.	0.004	0.003	0.004	0.01	0.013
00405	CARBON DIOXIDE (MG/L AS CO2)	07/24/95-12/13/99	19	2.	1.632	4.	0.	0.801	0.895	1.	1.	2.	3.
00406	PH, FIELD, STANDARD UNITS SU	07/24/95-12/13/99	20	8.45	8.319	8.8	6.2	0.333	0.577	7.811	8.163	8.695	8.8
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/24/95-12/13/99	20	8.45	7.444	8.8	6.2	1.14	1.067	7.811	8.162	8.695	8.8
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/95-12/13/99	20	0.004	0.036	0.631	0.002	0.02	0.14	0.002	0.002	0.007	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/24/95-12/13/99	20	119.	121.35	182.	80.	737.924	27.165	82.4	104.25	132.75	162.3
00440	BICARBONATE ION (MG/L AS HCO3)	07/24/95-12/13/99	20	144.5	143.15	222.	0.	2083.503	45.645	101.4	127.25	162.25	198.1
00445	CARBONATE ION (MG/L AS CO3)	07/24/95-12/13/99	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/24/95-12/13/99	20	6.4	81.92	899.	2.	47983.273	219.051	2.	2.	35.7	436.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/95-06/28/99	18 ##	0.025	0.037	0.18	0.025	0.001	0.037	0.025	0.025	0.025	0.069
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/95-05/05/97	4 ##	0.202	0.176	0.25	0.05	0.008	0.091	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/18/97-12/13/99	3	0.1	0.117	0.2	0.05	0.006	0.076	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/24/95-06/28/99	17	0.12	0.146	0.49	0.03	0.013	0.112	0.046	0.07	0.205	0.306
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/95-12/13/99	14	0.025	0.057	0.241	0.005	0.006	0.077	0.006	0.01	0.074	0.217
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/24/95-06/28/99	13 ##	0.01	0.019	0.088	0.005	0.001	0.023	0.005	0.008	0.02	0.068
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/95-12/13/99	20	149.1	155.03	279.8	89.7	1946.192	44.116	94.1	130.05	175.875	210.07
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/95-12/13/99	20	39.75	41.84	73.9	27.7	116.713	10.803	28.11	36.725	43.675	57.66
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/95-12/13/99	20	11.05	12.306	23.2	5.01	23.193	4.816	5.816	9.64	15.4	21.77
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/95-12/13/99	20	7.065	8.217	25.6	3.02	22.858	4.781	3.646	6.01	8.898	12.93
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/95-12/13/99	20	1.36	1.553	3.68	0.5	0.439	0.663	1.016	1.14	1.778	2.36
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/24/95-12/13/99	20	3.75	4.885	24.	1.5	25.007	5.001	1.5	1.5	5.375	8.85
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/24/95-12/13/99	20	29.25	34.649	104.	10.51	537.645	23.187	12.77	22.075	36.448	81.815
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/24/95-12/13/99	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5

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Parameter Inventory for Station: ARCH0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/24/95-12/13/99	12	130.	130.833	180.	100.	444.697	21.088	103.	120.	145.	171.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/24/95-12/13/99	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/24/95-12/13/99	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01040	COPPER, DISSOLVED (UG/L AS CU)	07/24/95-12/13/99	12 ##	6.	6.	6.	6.	0.	0.	6.	6.	6.	6.
01046	IRON, DISSOLVED (UG/L AS FE)	07/24/95-12/13/99	12	25.95	27.533	57.	10.	272.622	16.511	10.	10.	43.425	54.36
01049	LEAD, DISSOLVED (UG/L AS PB)	07/24/95-12/13/99	12 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/95-12/13/99	12	27.	48.667	230.	18.	3514.97	59.287	18.	19.	51.	180.5
01075	SILVER, DISSOLVED (UG/L AS AG)	07/24/95-12/13/99	12 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/24/95-12/13/99	12 ##	15.	16.333	31.	15.	21.333	4.619	15.	15.	15.	26.2
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/24/95-12/13/99	12 ##	15.	23.917	83.	15.	471.902	21.723	15.	15.	15.	74.3
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/24/95-12/13/99	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/24/95-12/13/99	20	103.5	112.85	237.	63.	1663.818	40.79	64.6	92.25	118.	183.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/24/95-12/13/99	20	60.5	64.1	126.	37.	395.147	19.878	38.5	54.25	70.25	88.7
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/95-12/13/99	20	175.	191.7	386.	122.	3759.274	61.313	124.2	158.5	207.5	285.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/24/95-12/13/99	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1

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EPA Water Quality Criteria Analysis for Station: ARCH0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	20	3	0.15	5	1	0.20	6	0	0.00	5	2	0.40	4	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00
00400	PH	Fresh Chronic	9.	20	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	20	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	20	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	20	1	0.05	5	0	0.00	6	0	0.00	5	1	0.20	4	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	17	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	20	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00
		Drinking Water	250.	20	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	20	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00	4	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	50.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	5.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	1300.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	15.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	100.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	5000.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	50.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	2.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00

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

Station Inventory for Station: ARCH0036

NPS Station ID: ARCH0036
LAT/LON: 38.572167/-109.560167
Agency: 21UTAH
Date Created: 03/24/79
Location: MILL CK BL CNFL / PACK CK
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495636
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005014
RF1 Mile Point: 0.960
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14030005000900.00
RF3 Mile Point: 0.59
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/77-02/26/81	21	10.7	12.667	31.	0.9	78.593	8.865	1.58	4.5	20.	25.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/10/77-04/09/81	8	7.55	11.138	45.	3.	194.54	13.948	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/15/77-04/09/81	23	7.7	17.365	149.	1.8	957.709	30.947	2.42	3.3	16.	44.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/19/78-02/26/81	15	565.	595.	1100.	255.	47403.571	217.724	255.	500.	690.	944.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/15/77-04/09/81	27	570.	684.185	1850.	255.	124694.08	353.12	288.	500.	860.	1252.
00300	OXYGEN, DISSOLVED MG/L	09/15/77-02/26/81	18	9.95	9.05	12.8	5.1	5.801	2.409	5.28	6.775	10.725	12.17
00310	BOD, 5 DAY, 20 DEG C MG/L	07/15/77-11/08/79	18	1.	1.722	7.	1.	1.977	1.406	1.	1.	2.	2.5
00335	COD, .025N K2CR2O7 MG/L	07/15/77-04/09/81	20	12.	24.275	242.	4.	2686.539	51.832	4.	7.5	16.	32.3
00400	PH (STANDARD UNITS)	07/15/77-11/08/79	21	8.2	8.224	8.7	7.7	0.06	0.245	7.84	8.1	8.35	8.66
00400	CONVERTED PH (STANDARD UNITS)	07/15/77-11/08/79	21	8.2	8.158	8.7	7.7	0.064	0.254	7.84	8.1	8.35	8.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/77-11/08/79	21	0.006	0.007	0.02	0.002	0.	0.004	0.002	0.004	0.008	0.015
00405	CARBON DIOXIDE (MG/L AS CO2)	07/15/77-04/09/81	39	2.	2.718	10.	1.	3.524	1.877	1.	2.	4.	5.
00406	PH, FIELD, STANDARD UNITS SU	09/15/77-02/26/81	18	8.	8.106	8.7	7.6	0.097	0.311	7.78	7.9	8.325	8.7
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/77-02/26/81	18	8.	8.015	8.7	7.6	0.106	0.325	7.78	7.9	8.325	8.7
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/77-02/26/81	18	0.01	0.01	0.025	0.002	0.	0.006	0.002	0.005	0.013	0.017
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/15/77-04/09/81	24	160.	174.792	282.	80.	3015.129	54.91	93.	142.75	222.75	247.5
00440	BICARBONATE ION (MG/L AS HCO3)	07/15/77-04/09/81	25	188.	208.48	344.	98.	4685.427	68.45	112.4	171.	269.	301.6
00445	CARBONATE ION (MG/L AS CO3)	11/08/79-02/26/80	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/15/77-04/09/81	21	10.	492.976	9200.	1.	4011284.812	2002.819	1.	3.75	45.5	670.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/15/77-04/09/81	22	0.1	0.136	0.6	0.05	0.015	0.124	0.05	0.1	0.1	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/18/77-04/09/81	13 ##	0.025	0.061	0.25	0.02	0.005	0.068	0.022	0.025	0.075	0.21
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/15/77-04/09/81	24	0.25	1.063	12.35	0.1	6.974	2.641	0.125	0.163	0.488	3.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/15/77-04/09/81	25	0.6	1.26	15.7	0.1	9.46	3.076	0.2	0.3	0.8	2.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-04/09/81	20	0.2	1.125	12.5	0.05	8.612	2.935	0.055	0.113	0.338	5.08
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/15/77-04/09/81	24	0.05	0.331	6.5	0.02	1.729	1.315	0.023	0.04	0.078	0.205
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/18/77-04/09/81	17	5.8	8.041	30.	1.4	62.379	7.898	1.48	2.5	12.25	23.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/15/77-04/09/81	24	277.	417.625	2360.	116.	197087.375	443.945	151.	241.	427.5	700.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/15/77-04/09/81	25	66.	81.8	180.	35.	1581.5	39.768	38.8	56.5	100.	155.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/15/77-04/09/81	25	24.	28.28	83.	7.	289.627	17.018	8.	20.5	35.	55.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/15/77-04/09/81	25	23.	30.88	128.	5.	634.027	25.18	6.6	17.5	37.5	63.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/15/77-04/09/81	25	3.	3.22	11.	0.5	4.793	2.189	1.	2.	4.	5.4
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/15/77-04/09/81	24	12.	21.708	155.	4.	949.868	30.82	5.	10.25	20.75	51.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/15/77-04/09/81	25	134.	175.8	635.	33.	19803.917	140.726	39.2	92.	209.5	396.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/15/77-04/09/81	24	0.295	0.29	0.5	0.04	0.009	0.096	0.155	0.243	0.338	0.425
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/15/77-04/09/81	24	11.5	12.083	20.	7.	10.428	3.229	9.	10.	13.	18.5
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/15/77-03/15/78	5	3.	3.5	8.	1.	7.75	2.784	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/13/77-03/15/78	2	100.	100.	100.	100.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/15/77-04/09/81	24	87.5	108.125	210.	60.	1923.505	43.858	70.	76.25	120.	187.5

** - 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: ARCH0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/10/77-03/15/78	2	7.	7.	10.	4.	18.	4.243	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/15/78-03/15/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	08/18/77-04/09/81	15 ##	2.5	2.633	5.	2.	0.517	0.719	2.	2.5	2.5	3.8
01040	COPPER, DISSOLVED (UG/L AS CU)	07/15/77-03/15/78	3	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/15/77-03/15/78	4	15.	15.	20.	10.	33.333	5.774	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/15/78-03/15/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/15/77-03/15/78	4	15.	48.75	160.	5.	5539.583	74.428	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/15/78-03/15/78	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	07/15/77-03/15/78	3	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/18/77-03/15/78	3	10.	13.333	20.	10.	33.333	5.774	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/15/77-03/15/78	5	0.5	0.94	2.5	0.2	0.843	0.918	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	04/19/78-04/09/81	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
03501	BETA, TOTAL	10/28/80-04/09/81	4	6.5	7.5	13.	4.	16.333	4.041	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	08/13/80-04/09/81	4	26.	25.	43.	5.	252.667	15.895	**	**	**	**
09501	RADIUM 226, TOTAL	12/10/80-04/09/81	2 ##	643.5	643.5	1037.	250.	309684.5	556.493	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/15/77-11/08/79	20	1665.	19460.95	240000.	23.	3114054346.787	55803.713	23.	215.	8850.	85200.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/15/77-11/08/79	20	3.174	3.098	5.38	1.362	1.327	1.152	1.362	2.332	3.945	4.889
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1252.693								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/15/77-11/08/79	20	930.	13053.775	93000.	4.	556588163.855	23592.121	14.35	52.5	23250.	43000.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/15/77-11/08/79	20	2.968	2.951	4.968	0.602	1.78	1.334	1.115	1.69	4.366	4.633
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			893.431								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/10/77-03/15/79	3	0.03	0.182	0.5	0.015	0.076	0.276	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/15/77-04/09/81	29	356.	456.172	1368.	154.	69312.005	263.272	190.	319.	549.	908.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/15/77-04/09/81	20	0.03	0.027	0.07	0.01	0.	0.015	0.01	0.013	0.03	0.04
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/78-04/09/81	16	1.	1.344	3.	0.5	0.757	0.87	0.5	0.5	2.	3.
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/19/78-04/09/81	17	0.06	0.08	0.22	0.025	0.003	0.054	0.025	0.038	0.105	0.172
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/19/78-04/09/81	11 ##	0.5	1.5	5.	0.5	3.2	1.789	0.5	0.5	2.	5.
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/19/78-04/09/81	11 ##	2.5	4.318	10.	2.5	8.864	2.977	2.5	2.5	5.	10.
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	12/14/77-04/09/81	15 ##	5.	5.833	15.	2.5	8.631	2.938	4.	5.	5.	12.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/15/77-04/09/81	22	0.3	0.406	2.03	0.05	0.172	0.415	0.106	0.15	0.463	0.826
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/19/78-04/09/81	11 ##	5.	8.909	20.	2.5	57.591	7.589	2.5	2.5	18.	20.
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/19/78-04/09/81	16	125.	193.875	725.	80.	33619.583	183.356	80.	89.	200.	609.5
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/18/77-04/09/81	14	0.1	0.125	0.5	0.05	0.014	0.119	0.05	0.05	0.125	0.35
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/16/78-04/09/81	12 ##	7.5	28.792	225.	5.	3899.794	62.448	5.	5.	21.875	167.4
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/19/78-04/09/81	12 ##	1.75	2.792	5.	1.	3.975	1.994	1.	1.	5.	5.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	12/14/77-04/09/81	15	25.	34.	95.	5.	907.857	30.131	5.	10.	65.	83.

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

EPA Water Quality Criteria Analysis for Station: ARCH0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	23	2	0.09	7	0	0.00	11	0	0.00	4	2	0.50	1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	18	0	0.00	4	0	0.00	11	0	0.00	3	0	0.00			
00400	PH	Fresh Chronic	9.	21	0	0.00	7	0	0.00	10	0	0.00	3	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	21	0	0.00	7	0	0.00	10	0	0.00	3	0	0.00	1	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	18	0	0.00	5	0	0.00	10	0	0.00	2	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	18	0	0.00	5	0	0.00	10	0	0.00	2	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	13	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	24	1	0.04	7	0	0.00	12	0	0.00	4	1	0.25	1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	20	1	0.05	4	0	0.00	10	0	0.00	5	1	0.20	1	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	24	0	0.00	8	0	0.00	11	0	0.00	4	0	0.00	1	0	0.00
		Drinking Water	250.	24	0	0.00	8	0	0.00	11	0	0.00	4	0	0.00	1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	25	5	0.20	8	4	0.50	11	0	0.00	5	1	0.20	1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	24	0	0.00	8	0	0.00	11	0	0.00	4	0	0.00	1	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	5	0	0.00	3	0	0.00	2	0	0.00						
		Drinking Water	50.	5	0	0.00	3	0	0.00	2	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	2	1.00				2	2	1.00						
		Drinking Water	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: ARCH0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	15	0	0.00	3	0	0.00	8	0	0.00	4	0	0.00			
		Drinking Water	100.	15	0	0.00	3	0	0.00	8	0	0.00	4	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	1300.	3	0	0.00	2	0	0.00	1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	1	1.00				1	1	1.00						
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						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	3	3	1.00	2	2	1.00	1	1	1.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	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						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	5	0	0.00	3	0	0.00	2	0	0.00						
		Drinking Water	50.	5	0	0.00	3	0	0.00	2	0	0.00						
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	50.	12	0	0.00	2	0	0.00	6	0	0.00	4	0	0.00			
07000	TRITIUM, TOTAL	Drinking Water	20000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
09501	RADIUM 226, TOTAL	Drinking Water	5.	1 &	1	1.00				1	1	1.00						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	20	10	0.50	6	6	1.00	10	3	0.30	3	1	0.33	1	0	0.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	20	12	0.60	6	4	0.67	10	4	0.40	3	3	1.00	1	1	1.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	16	0	0.00	4	0	0.00	7	0	0.00	4	0	0.00	1	0	0.00
		Drinking Water	50.	16	0	0.00	4	0	0.00	7	0	0.00	4	0	0.00	1	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	17	0	0.00	4	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	11	2	0.18	1	0	0.00	6	0	0.00	4	2	0.50			
		Drinking Water	5.	11	2	0.18	1	0	0.00	6	0	0.00	4	2	0.50			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	11	0	0.00	1	0	0.00	6	0	0.00	4	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	15	0	0.00	1	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00
		Drinking Water	1300.	15	0	0.00	1	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	11	0	0.00	1	0	0.00	6	0	0.00	4	0	0.00			
		Drinking Water	15.	11	4	0.36	1	0	0.00	6	0	0.00	4	4	1.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	14	0	0.00	2	0	0.00	8	0	0.00	4	0	0.00			
		Drinking Water	2.	14	0	0.00	2	0	0.00	8	0	0.00	4	0	0.00			
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	12	0	0.00	1	0	0.00	7	0	0.00	4	0	0.00			
		Drinking Water	100.	12	1	0.08	1	0	0.00	7	0	0.00	4	1	0.25			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	11 &	4	0.36	1	1	1.00	5	0	0.00	4	2	0.50	1	1	1.00
		Drinking Water	100.	12	0	0.00	1	0	0.00	6	0	0.00	4	0	0.00	1	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	15	0	0.00	2	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00
		Drinking Water	5000.	15	0	0.00	2	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00

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

Station Inventory for Station: ARCH0037

NPS Station ID: ARCH0037
LAT/LON: 38.572199/-109.629698
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17001
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): ARCH_NURE_06 /1041141
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GOLD BAR CANYON UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/78-06/28/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	1	25.9	25.9	25.9	25.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	1	37.	37.	37.	37.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	1	311.	311.	311.	311.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	1	16008.	16008.	16008.	16008.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0038

NPS Station ID: ARCH0038 LAT/LON: 38.573000/-109.573333 Agency: 21UTAH Date Created: / /
Location: MOAB READY MIX-MILL CK-300YARDS AB COLO R. FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM STORET Station ID(s): 495634
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 21.10 On/Off RF1:
RF3 Index: 14030001009800.00 RF3 Mile Point: 4.77 Distance from RF3: 0.10 On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/06/89-04/06/89	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	04/06/89-04/06/89	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/15/89-04/10/96	22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/06/89-04/06/89	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/06/89-04/06/89	1	1085.	1085.	1085.	1085.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/06/89-04/06/89	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	04/06/89-04/06/89	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/06/89-04/06/89	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/06/89-04/06/89	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/06/89-04/06/89	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00560	OIL & GREASE (FREON EXTR.-IR METHOD) TOT,REC,MG/L	04/06/89-04/06/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/06/89-04/06/89	1	2488.	2488.	2488.	2488.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0038

				Total	Exceed	Prop.	----------7/15-10/14----------			----------10/15-3/31----------			----------4/01-5/31----------			----------6/01-7/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	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			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: ARCH0039

NPS Station ID: ARCH0039
LAT/LON: 38.575282/-109.578060
Agency: 112WRD
Date Created: / /
Location: COLORADO R ABOVE MILL CREEK NEAR MOAB, UTAH
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 09183210
RMI-Indexes: 1101000
Within Park Boundary: No
RMI-Miles: 0992.40
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 0.390
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 140300050019O3.19
RF3 Mile Point: 3.19
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	157	12.	12.328	30.	0.	69.124	8.314	0.	5.	19.25	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	152	19.	17.036	39.5	-10.	128.742	11.346	5.	8.625	26.	31.35
00060	FLOW, STREAM, MEAN DAILY CFS	02/26/74-09/25/74	15	6000.	6695.333	16700.	1700.	18087755.238	4252.97	1880.	4000.	7000.	15380.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	142	4000.	5841.69	34230.	1250.	33117026.91	5754.74	2000.	2802.5	5507.5	13080.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	54	37.5	104.722	650.	2.	21336.506	146.07	9.5	18.75	112.5	375.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/25/76-09/20/79	10	96.5	179.46	520.	5.6	38976.018	197.423	5.68	7.3	357.5	515.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/20/80-11/20/80	1	1120.	1120.	1120.	1120.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	157	1300.	1251.21	2200.	360.	180361.026	424.689	548.	1070.	1550.	1754.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	136	9.65	10.249	16.1	7.	4.908	2.215	7.6	8.4	11.975	13.6
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	64	21.5	30.734	170.	4.	851.912	29.188	9.	12.	36.	67.
00400	PH (STANDARD UNITS)	02/26/74-09/22/81	154	8.1	8.034	8.8	7.1	0.123	0.351	7.5	7.835	8.3	8.4
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	154	8.1	7.874	8.8	7.1	0.149	0.386	7.5	7.835	8.3	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	154	0.008	0.013	0.079	0.002	0.	0.014	0.004	0.005	0.015	0.032
00403	PH, LAB, STANDARD UNITS SU	11/20/80-09/22/81	11	8.1	8.109	8.3	7.9	0.013	0.114	7.92	8.	8.2	8.28
00403	CONVERTED PH, LAB, STANDARD UNITS	11/20/80-09/22/81	11	8.1	8.095	8.3	7.9	0.013	0.115	7.92	8.	8.2	8.28
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/20/80-09/22/81	11	0.008	0.008	0.013	0.005	0.	0.002	0.005	0.006	0.01	0.012
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	71	1.8	2.873	21.	0.1	10.666	3.266	0.92	1.3	3.	5.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	74	160.	155.311	223.	12.	1125.697	33.551	106.	140.	172.5	191.
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	73	190.	184.877	260.	15.	1507.554	38.827	127.2	170.	209.	229.2
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	67	0.	2.418	16.	0.	15.065	3.881	0.	0.	5.	7.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/78-09/22/81	33	91.	323.667	2490.	0.	291291.729	539.714	4.4	25.5	380.	1080.
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	88	1.7	2.03	7.9	0.46	1.294	1.137	1.09	1.3	2.375	3.61
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	87	0.7	0.862	2.8	0.	0.413	0.643	0.186	0.44	1.2	1.76
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/30/81-07/30/81	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	87	0.1	0.328	3.7	0.	0.49	0.7	0.01	0.04	0.23	0.572
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/26/74-02/26/74	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/26/74-02/26/74	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	88	0.91	1.178	4.5	0.22	0.755	0.869	0.469	0.565	1.575	2.42
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	88	0.755	0.851	3.4	0.05	0.239	0.489	0.393	0.62	1.	1.31
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/81-07/30/81	2	1.05	1.05	2.1	0.	2.205	1.485	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/03/79-05/23/79	2	1.7	1.7	2.1	1.3	0.32	0.566	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	88	0.095	0.232	2.3	0.	0.122	0.349	0.02	0.04	0.24	0.646
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	63	5.4	7.925	31.	2.6	37.718	6.141	3.4	4.2	9.1	16.2
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	11/15/79-09/22/81	22	0.	0.001	0.01	0.	0.	0.002	0.	0.	0.	0.003
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	88	380.	394.886	830.	140.	21540.217	146.766	189.	310.	497.5	600.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	78	215.	237.705	650.	0.	18075.899	134.447	58.3	157.5	322.5	420.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	88	93.5	100.352	200.	37.	1317.495	36.297	51.6	77.25	130.	150.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	88	34.	34.977	79.	11.	191.816	13.85	14.	27.	42.75	53.1

** - 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

Parameter Inventory for Station: ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	88	130.	120.103	250.	0.1	2490.621	49.906	31.9	94.75	150.	171.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	88	2.8	2.583	5.	0.	0.763	0.874	1.09	2.225	3.1	3.51
00932	SODIUM, PERCENT	02/26/74-09/22/81	88	39.	38.693	53.	0.	62.56	7.909	28.	35.	44.	48.
00933	SODIUM,PLUS POTASSIUM (MG/L)	05/03/79-02/22/80	8	130.	117.5	150.	35.	1485.714	38.545	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	88	5.5	5.097	9.1	0.8	2.732	1.653	2.2	4.325	6.1	6.9
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	88	140.	126.739	310.	14.	3467.253	58.883	30.5	95.75	160.	190.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	88	315.	336.943	820.	70.	25612.675	160.04	118.	250.	457.5	560.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/26/74-07/30/80	13	0.3	0.3	0.4	0.1	0.008	0.091	0.14	0.25	0.4	0.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	65	9.4	9.549	13.	3.3	4.266	2.065	7.18	8.55	11.	12.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	05/25/76-05/25/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	05/25/76-09/26/78	8	90.	121.25	350.	50.	9269.643	96.279	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/25/76-05/25/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/25/76-05/25/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	02/22/80-09/17/80	7	192.	193.	259.	114.	2144.333	46.307	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	05/25/76-05/25/76	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	02/26/74-03/26/74	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/26/74-03/26/74	2	2050.	2050.	3000.	1100.	1805000.	1343.503	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/25/76-05/25/76	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/25/76-05/25/76	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/26/74-03/26/74	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/26/74-03/26/74	2	65.	65.	100.	30.	2450.	49.497	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/25/76-05/25/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/25/76-05/25/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/15/79-09/22/81	22	0.	27.727	100.	0.	2056.494	45.349	0.	0.	100.	100.
01075	SILVER, DISSOLVED (UG/L AS AG)	11/15/77-11/15/77	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	11/15/79-09/22/81	22	0.	0.136	1.	0.	0.123	0.351	0.	0.	0.	1.
01085	VANADIUM, DISSOLVED (UG/L AS V)	05/25/76-05/25/76	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/25/76-05/25/76	1	710.	710.	710.	710.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/26/74-09/22/81	24	30.	93.75	860.	10.	30763.587	175.396	10.	20.	107.5	215.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	05/25/76-05/25/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	02/26/74-03/26/74	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
09511	RADIUM 226, DISSOLVED, RADON METHOD	06/10/74-04/29/77	3	0.12	0.127	0.17	0.09	0.002	0.04	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/10/74-04/29/77	3	2.8	8.433	20.	2.5	100.363	10.018	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/79-09/22/81	19	24.	129.368	900.	0.5	58239.551	241.329	0.5	7.	100.	640.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/15/79-09/22/81	19	1.38	1.407	2.954	-0.301	0.849	0.922	-0.301	0.845	2.	2.806
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			25.503								
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	54	89.	243.259	1430.	2.	111354.384	333.698	14.5	34.25	339.	833.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-12/06/79	134	890.5	886.104	2000.	230.	118234.41	343.852	358.	684.5	1122.5	1315.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	62	858.	843.194	1590.	229.	110498.126	332.413	317.	617.25	1102.5	1247.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-12/06/79	132	9775.	10260.076	24900.	2920.	12793426.712	3576.79	6513.	7812.5	11750.	15040.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-12/06/79	130	1.205	1.202	2.72	0.31	0.225	0.474	0.482	0.928	1.54	1.798
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/03/79-01/29/81	20	0.075	0.112	0.4	0.	0.018	0.133	0.001	0.02	0.1	0.4
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/30/81-07/30/81	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/03/79-09/22/81	28	0.37	0.971	7.1	0.	2.506	1.583	0.03	0.098	1.25	2.71
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	88	7.5	9.001	35.	2.	25.552	5.055	4.69	5.625	10.75	16.
71890	MERCURY, DISSOLVED (UG/L AS HG)	04/30/81-04/30/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	02/26/74-03/26/74	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/29/81-06/25/81	6	3.55	3.583	4.6	2.8	0.486	0.697	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	54	23	0.43	14	9	0.64	26	5	0.19	9	8	0.89	5	1	0.20
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	10	5	0.50	3	1	0.33	4	1	0.25	3	3	1.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	136	0	0.00	35	0	0.00	56	0	0.00	29	0	0.00	16	0	0.00
00400	PH	Fresh Chronic	9.	154	0	0.00	38	0	0.00	69	0	0.00	28	0	0.00	19	0	0.00
		Other-Lo Lim.	6.5	154	0	0.00	38	0	0.00	69	0	0.00	28	0	0.00	19	0	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: ARCH0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00403	PH, LAB	Fresh Chronic	9.	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	88	0	0.00	23	0	0.00	41	0	0.00	17	0	0.00	7	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
00720	CYANIDE, TOTAL	Fresh Acute	0.022	22	0	0.00	6	0	0.00	10	0	0.00	4	0	0.00	2	0	0.00
		Drinking Water	0.2	22	0	0.00	6	0	0.00	10	0	0.00	4	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	88	0	0.00	23	0	0.00	41	0	0.00	17	0	0.00	7	0	0.00
		Drinking Water	250.	88	2	0.02	23	0	0.00	41	2	0.05	17	0	0.00	7	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	88	67	0.76	23	22	0.96	41	37	0.90	17	5	0.29	7	3	0.43
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	13	0	0.00	4	0	0.00	5	0	0.00	4	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00							1	0	0.00			
		Drinking Water	4.	1	1	1.00							1	1	1.00			
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			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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			
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.	1	0	0.00							1	0	0.00			
		Drinking Water	15.	1	1	1.00							1	1	1.00			
01051	LEAD, TOTAL	Fresh Acute	82.	0 &	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.	22	0	0.00	6	0	0.00	10	0	0.00	4	0	0.00	2	0	0.00
		Drinking Water	100.	22	6	0.27	6	1	0.17	10	4	0.40	4	1	0.25	2	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	22	0	0.00	6	0	0.00	10	0	0.00	4	0	0.00	2	0	0.00
		Drinking Water	100.	22	0	0.00	6	0	0.00	10	0	0.00	4	0	0.00	2	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00							1	1	1.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	24	5	0.21	6	1	0.17	12	3	0.25	4	1	0.25	2	0	0.00
		Drinking Water	5000.	24	0	0.00	6	0	0.00	12	0	0.00	4	0	0.00	2	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00				2	0	0.00						
		Drinking Water	50.	2	0	0.00				2	0	0.00						
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	3	1	0.33							1	1	1.00	2	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	19	4	0.21	5	3	0.60	10	0	0.00	2	0	0.00	2	1	0.50
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	2	0	0.00				2	0	0.00						
		Drinking Water	2.	2	0	0.00				2	0	0.00						

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

Annual Analysis for 1974 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	21	14.5	14.333	26.5	0.	63.758	7.985	1.6	8.75	22.	24.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	20	24.5	21.025	37.5	-1.	114.986	10.723	4.55	14.5	30.	31.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	19	4610.	6787.368	22000.	2000.	29348109.357	5417.39	2000.	3240.	6700.	16700.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	11	30.	53.455	200.	8.	3263.273	57.125	8.4	20.	90.	180.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	21	1200.	1198.095	1700.	410.	165196.19	406.443	504.	955.	1605.	1700.
00300p	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	19	10.4	10.837	15.8	9.1	3.591	1.895	9.2	9.3	11.6	14.2
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	11	15.	16.364	28.	9.	35.855	5.988	9.2	10.	22.	27.
00400p	PH (STANDARD UNITS)	02/26/74-09/22/81	19	7.6	7.728	8.4	7.1	0.2	0.447	7.2	7.4	8.24	8.3
00400p	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	19	7.6	7.543	8.4	7.1	0.236	0.486	7.2	7.4	8.24	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	19	0.025	0.029	0.079	0.004	0.001	0.024	0.005	0.006	0.04	0.063
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	11	2.6	6.327	21.	1.6	43.93	6.628	1.6	1.7	9.2	20.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	11	140.	139.	171.	87.	839.2	28.969	87.4	133.	162.	171.
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	11	171.	169.364	208.	106.	1234.055	35.129	106.6	162.	197.	208.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00600p	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	11	1.5	1.378	2.2	0.46	0.245	0.495	0.568	1.	1.7	2.16
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	10	0.52	0.53	0.97	0.13	0.069	0.263	0.138	0.338	0.747	0.956
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	10	0.105	0.141	0.43	0.03	0.013	0.116	0.032	0.065	0.183	0.406
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	11	0.64	0.653	1.	0.34	0.051	0.225	0.364	0.47	0.91	1.
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	11	0.85	0.731	1.3	0.05	0.183	0.428	0.05	0.4	1.	1.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	11	0.1	0.133	0.4	0.03	0.013	0.115	0.03	0.03	0.19	0.368
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	10	5.4	5.63	8.8	3.4	4.193	2.048	3.41	3.575	7.475	8.72
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	11	390.	383.636	630.	170.	24585.455	156.797	174.	260.	560.	620.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	11	230.	242.636	490.	79.	18814.455	137.166	83.2	120.	390.	474.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	11	100.	97.545	150.	45.	1450.073	38.08	46.4	65.	140.	150.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	11	32.	33.818	61.	13.	236.764	15.387	13.4	23.	51.	59.
00930p	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	11	110.	107.727	160.	30.	1798.618	42.41	33.	87.	150.	158.
00931p	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	11	2.7	2.355	2.9	1.	0.387	0.622	1.08	2.2	2.8	2.88
00932p	SODIUM, PERCENT	02/26/74-09/22/81	11	37.	37.273	44.	28.	21.418	4.628	29.	35.	41.	43.8
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	11	4.4	4.5	7.3	0.8	4.144	2.036	1.08	2.4	6.2	7.2
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	11	110.	106.727	160.	24.	1832.018	42.802	28.	91.	140.	158.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	11	320.	318.182	610.	100.	28056.364	167.5	106.	190.	510.	592.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	11	10.	10.073	13.	7.	3.1	1.761	7.26	8.6	11.	12.8
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	10	77.5	139.2	449.	11.	24930.178	157.893	11.8	24.25	251.75	442.7
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-12/06/79	20	841.	819.25	1320.	270.	106407.355	326.201	330.7	606.75	1113.5	1303.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	11	770.	762.182	1230.	275.	97944.764	312.961	290.	567.	1120.	1208.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-12/06/79	20	10800.	11351.	24900.	2920.	17733209.474	4211.082	7165.	9980.	13450.	14660.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-12/06/79	20	1.145	1.115	1.8	0.37	0.197	0.444	0.446	0.823	1.515	1.771
71887p	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	11	6.4	6.073	9.8	2.	4.66	2.159	2.48	4.6	7.4	9.58

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Annual Analysis for 1975 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	24	10.	11.083	23.	0.	60.036	7.748	0.	4.375	19.125	22.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	23	14.5	15.152	31.	-2.	111.578	10.563	3.9	7.	26.	30.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	24	4685.	8122.083	27000.	2970.	55344851.993	7439.412	3000.	3862.5	8830.	24000.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	12	40.	112.917	380.	7.	20400.083	142.829	7.9	20.75	230.	377.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	24	1250.	1121.667	2000.	380.	193094.928	439.426	420.	707.5	1300.	1717.5
00300p	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	22	10.4	10.5	15.	7.1	4.853	2.203	7.29	8.525	12.225	13.5
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	12	18.5	21.	61.	5.	230.364	15.178	6.2	10.25	26.	52.9
00400p	PH (STANDARD UNITS)	02/26/74-09/22/81	23	8.1	8.137	8.6	7.8	0.058	0.242	7.808	7.98	8.3	8.56
00400p	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	23	8.1	8.078	8.6	7.8	0.062	0.249	7.808	7.98	8.3	8.56
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	23	0.008	0.008	0.016	0.003	0.	0.004	0.003	0.005	0.01	0.016
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	11	1.2	1.691	4.7	0.1	1.637	1.279	0.26	0.9	2.4	4.34
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	12	152.5	139.417	192.	12.	2768.629	52.618	35.1	100.75	183.	190.5
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	12	184.	164.5	228.	15.	3592.455	59.937	42.9	122.75	207.	223.8

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Annual Analysis for 1975 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	11	0.	2.909	10.	0.	18.091	4.253	0.	0.	7.	10.
00600p	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	12	1.5	1.642	3.1	1.	0.395	0.629	1.	1.175	1.775	2.95
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	12	0.645	0.83	2.2	0.23	0.321	0.566	0.275	0.463	1.183	1.99
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	12	0.07	0.13	0.42	0.005	0.021	0.144	0.005	0.013	0.273	0.387
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	12	0.785	0.955	2.2	0.39	0.248	0.498	0.414	0.712	1.21	1.99
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	12	0.65	0.691	1.6	0.19	0.144	0.38	0.208	0.42	0.91	1.414
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	12	0.11	0.218	0.64	0.03	0.053	0.23	0.03	0.043	0.383	0.64
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	12	9.8	10.958	29.	4.6	52.184	7.224	4.75	5.2	13.75	26.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	12	340.	339.167	580.	140.	17299.242	131.527	143.	247.5	440.	556.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	12	190.	200.333	390.	51.	9915.333	99.576	54.6	127.5	267.5	369.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	12	85.	87.417	150.	39.	1125.174	33.544	39.6	64.5	114.5	144.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	12	30.5	29.417	50.	11.	138.083	11.751	11.3	20.5	37.5	47.9
00930p	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	12	130.	102.667	140.	22.	2328.788	48.258	22.3	54.25	140.	140.
00931p	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	12	2.55	2.342	3.4	0.8	0.897	0.947	0.8	1.45	3.25	3.37
00932p	SODIUM, PERCENT	02/26/74-09/22/81	12	38.5	37.5	48.	24.	70.636	8.405	24.6	29.5	46.25	47.7
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	12	5.2	4.65	6.7	1.7	2.512	1.585	2.	3.05	5.575	6.67
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	12	110.	109.833	260.	17.	4882.879	69.878	17.	50.	147.5	233.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	12	260.	256.833	520.	72.	18465.788	135.889	74.4	160.	352.5	493.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	12	9.9	10.058	13.	8.2	1.834	1.354	8.38	9.225	10.75	12.7
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	12	164.	349.417	1430.	20.	195176.811	441.788	20.6	41.	516.	1290.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-12/06/79	24	811.	756.542	1370.	247.	98711.129	314.183	275.	477.	959.	1210.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	12	773.5	684.5	1110.	229.	82728.455	287.626	230.8	415.25	914.	1062.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-12/06/79	24	11050.	11731.667	19300.	7330.	12551805.797	3542.853	7845.	9257.5	13200.	18150.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-12/06/79	24	1.1	1.028	1.86	0.34	0.182	0.426	0.375	0.653	1.308	1.645
71887p	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	12	6.65	7.333	14.	4.4	8.288	2.879	4.46	5.325	7.65	13.4

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Annual Analysis for 1976 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	24	12.75	12.104	27.	0.	74.195	8.614	0.	4.125	17.375	25.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	23	16.	16.674	35.	-3.	129.355	11.373	4.4	8.	27.	32.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	24	4030.	4696.667	12100.	2000.	6761797.101	2600.346	2225.	3570.	4950.	9700.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	11	31.	73.182	480.	10.	18574.564	136.289	11.	15.	64.	398.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	24	1345.	1304.167	1900.	590.	117527.536	342.823	687.5	1082.5	1530.	1722.5
00300p	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	20	9.15	9.61	13.6	7.	3.177	1.782	7.42	8.325	10.7	12.19
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	11	11.	17.818	62.	4.	269.364	16.412	4.6	8.	24.	55.4
00400p	PH (STANDARD UNITS)	02/26/74-09/22/81	24	8.1	7.978	8.5	7.2	0.181	0.425	7.35	7.543	8.4	8.4
00400p	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	24	8.089	7.777	8.5	7.2	0.223	0.472	7.35	7.542	8.4	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	24	0.008	0.017	0.063	0.003	0.	0.017	0.004	0.004	0.029	0.045
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	12	1.3	1.417	2.1	1.	0.112	0.335	1.03	1.2	1.75	2.01
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	12	161.	159.667	180.	131.	228.242	15.108	133.7	149.25	171.75	179.7
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	12	185.5	188.25	220.	160.	348.023	18.655	160.	180.	206.	217.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	12	4.	3.167	7.	0.	6.333	2.517	0.	0.	5.	6.4
00600p	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	12	2.5	2.525	4.7	1.1	1.055	1.027	1.22	1.625	3.3	4.37
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	12	0.955	0.877	2.4	0.	0.507	0.712	0.	0.133	1.35	2.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	12	0.455	0.605	2.1	0.005	0.424	0.651	0.016	0.115	0.855	1.95
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	12	1.45	1.465	2.7	0.54	0.472	0.687	0.552	0.865	1.9	2.61
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	12	0.835	1.048	2.3	0.52	0.291	0.539	0.559	0.705	1.25	2.18
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	12	0.075	0.181	0.79	0.04	0.06	0.245	0.04	0.05	0.163	0.73
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	11	4.4	5.909	17.	2.6	17.307	4.16	2.66	3.4	8.2	15.3
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	12	355.	412.5	660.	210.	18438.636	135.789	240.	330.	557.5	630.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	12	200.	253.25	510.	79.	16364.932	127.925	103.3	170.	380.	471.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	12	89.5	105.25	160.	58.	1092.386	33.051	64.6	84.25	140.	157.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	12	33.	36.667	64.	17.	172.788	13.145	20.	27.25	48.25	59.8
00930p	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	12	135.	122.917	170.	38.	1419.174	37.672	50.6	92.75	150.	164.

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Annual Analysis for 1976 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00931p	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	12	2.7	2.617	3.6	1.1	0.46	0.678	1.34	2.225	2.9	3.57
00932p	SODIUM, PERCENT	02/26/74-09/22/81	12	37.	38.667	49.	28.	36.242	6.02	29.8	35.	42.5	48.7
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	12	5.45	5.225	7.2	2.	2.084	1.444	2.45	4.3	6.1	7.05
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	12	140.	128.333	180.	31.	1837.515	42.866	46.6	94.5	162.5	177.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	12	285.	346.667	610.	150.	19824.242	140.799	180.	250.	490.	583.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	12	9.35	9.608	12.	7.3	2.046	1.43	7.39	8.725	11.	11.7
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	12	89.	214.583	1040.	32.	101417.538	318.461	32.	38.25	171.	938.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-12/06/79	24	878.	889.625	1430.	392.	69281.201	263.213	553.5	679.75	1127.5	1275.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	12	817.5	850.75	1280.	385.	63048.386	251.094	458.5	654.75	1090.	1229.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-12/06/79	24	9360.	9935.	15400.	6360.	5628434.783	2372.432	7085.	7957.5	12100.	13300.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-12/06/79	24	1.195	1.209	1.94	0.53	0.128	0.358	0.755	0.923	1.535	1.735
71887p	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	12	11.5	11.308	21.	4.7	21.623	4.65	5.3	7.25	15.	19.5

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Annual Analysis for 1977 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	23	13.	13.196	30.	0.	89.449	9.458	0.	5.	22.	25.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	23	22.5	20.391	37.	-1.	139.658	11.818	4.8	10.	31.5	36.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	24	2005.	2243.333	4380.	1250.	511666.667	715.309	1595.	1807.5	2460.	3450.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	12	50.	121.083	650.	2.	33711.356	183.607	3.5	9.25	170.	524.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	23	1750.	1728.696	2200.	1010.	70830.04	266.139	1358.	1600.	1900.	2086.
00300p	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	24	9.85	10.6	15.2	7.	8.372	2.893	7.4	8.125	13.05	15.
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	12	38.	52.833	170.	10.	2062.879	45.419	10.9	23.	80.5	147.2
00400p	PH (STANDARD UNITS)	02/26/74-09/22/81	23	8.2	8.215	8.8	7.58	0.064	0.253	7.868	8.1	8.4	8.56
00400p	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	23	8.2	8.141	8.8	7.58	0.07	0.264	7.868	8.1	8.4	8.56
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	23	0.006	0.007	0.026	0.002	0.	0.005	0.003	0.004	0.008	0.014
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	11	1.6	1.764	2.8	0.8	0.375	0.612	0.88	1.4	2.4	2.76
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	12	185.	179.25	220.	120.	806.932	28.407	125.7	167.25	200.	214.
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	12	220.	212.5	250.	150.	1025.	32.016	156.	182.5	240.	247.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	12	0.	2.667	14.	0.	17.697	4.207	0.	0.	4.	11.6
00600p	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	12	2.5	3.225	7.9	1.2	3.611	1.9	1.35	1.8	4.475	6.97
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	12	0.695	0.733	2.	0.	0.345	0.588	0.051	0.238	1.113	1.85
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	12	0.18	1.157	3.7	0.06	2.238	1.496	0.06	0.083	2.9	3.58
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	12	1.15	1.893	4.5	0.49	2.265	1.505	0.493	0.673	3.575	4.35
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	12	1.2	1.335	3.4	0.57	0.561	0.749	0.612	0.835	1.525	2.95
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	12	0.105	0.178	0.81	0.005	0.052	0.227	0.005	0.028	0.248	0.672
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	12	5.	5.617	14.	2.6	9.136	3.023	2.72	3.525	6.75	11.84
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	12	575.	564.167	830.	360.	17935.606	133.924	369.	462.5	630.	791.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	12	395.	382.5	650.	160.	19402.273	139.292	178.	282.5	445.	626.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	12	140.	140.5	200.	93.	1110.455	33.323	93.	112.5	167.5	191.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	12	52.	51.5	79.	32.	157.545	12.552	33.8	41.75	55.	75.1
00930p	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	12	175.	183.333	250.	140.	842.424	29.025	146.	162.5	200.	238.
00931p	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	12	3.05	3.417	5.	2.8	0.451	0.671	2.8	2.925	3.875	4.7
00932p	SODIUM, PERCENT	02/26/74-09/22/81	12	38.5	41.5	53.	34.	40.818	6.389	34.3	37.	47.25	52.1
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	12	6.5	6.708	9.1	5.5	1.381	1.175	5.5	5.625	7.725	8.83
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	12	175.	190.833	310.	130.	2444.697	49.444	136.	160.	227.5	286.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	12	535.	528.333	820.	300.	25106.061	158.449	306.	427.5	570.	811.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	12	9.05	8.592	13.	3.3	10.288	3.208	3.54	5.825	11.	12.7
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	12	104.5	206.333	1130.	9.	98989.879	314.627	9.3	19.25	267.25	902.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-12/06/79	24	1270.	1266.833	2000.	778.	74052.406	272.126	884.	1047.5	1372.5	1620.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	12	1235.	1216.75	1590.	912.	38525.295	196.279	927.9	1033.	1285.	1551.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-12/06/79	24	7005.	7290.	9880.	5540.	1425382.609	1193.894	5895.	6330.	8227.5	9185.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-12/06/79	24	1.725	1.724	2.72	1.06	0.137	0.37	1.2	1.428	1.87	2.205
71887p	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	12	11.15	14.267	35.	5.4	70.166	8.377	6.03	7.925	19.5	30.8

** - 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 1978 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	22	11.5	11.591	27.	0.	54.158	7.359	2.15	4.5	17.25	21.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	22	19.	14.364	29.	-10.	96.504	9.824	2.3	8.75	23.25	27.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	22	3700.	6061.364	21100.	2000.	30042793.29	5481.131	2030.	2460.	8035.	17600.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	8	102.	181.75	460.	10.	32270.214	179.639	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	22	1385.	1159.545	1700.	420.	196156.926	442.896	470.	627.5	1500.	1644.
00300p	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	20	9.95	10.475	16.1	7.3	5.168	2.273	7.82	9.025	11.975	14.35
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	10	32.	43.7	120.	15.	1110.9	33.33	15.5	20.75	61.75	116.2
00400p	PH (STANDARD UNITS)	02/26/74-09/22/81	22	8.	7.946	8.4	7.18	0.107	0.327	7.404	7.7	8.175	8.37
00400p	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	22	8.	7.812	8.4	7.18	0.126	0.355	7.404	7.7	8.175	8.37
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	22	0.01	0.015	0.066	0.004	0.	0.015	0.004	0.007	0.02	0.041
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	9	2.	2.711	5.4	1.3	2.194	1.481	1.3	1.5	4.1	5.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	9	160.	153.556	180.	90.	858.778	29.305	90.	135.	176.	180.
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	9	200.	185.556	220.	110.	1177.778	34.319	110.	165.	210.	220.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	9	0.	1.	6.	0.	4.5	2.121	0.	0.	1.5	6.
00600p	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	10	1.65	1.654	2.7	0.84	0.262	0.512	0.876	1.275	1.875	2.64
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	10	0.63	0.769	2.	0.06	0.326	0.571	0.089	0.44	0.997	1.95
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	10	0.07	0.076	0.23	0.005	0.005	0.074	0.006	0.01	0.125	0.221
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	10	0.645	0.839	2.	0.29	0.297	0.545	0.297	0.51	1.09	1.96
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	10	0.895	0.799	1.	0.48	0.039	0.196	0.486	0.623	0.955	1.
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	10	0.13	0.295	0.97	0.03	0.112	0.334	0.034	0.078	0.478	0.956
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	10	7.2	10.58	31.	4.1	79.953	8.942	4.11	4.8	13.75	30.1
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	10	425.	387.	560.	170.	20534.444	143.298	173.	207.5	502.5	558.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	9	270.	230.889	420.	26.	19574.111	139.908	26.	81.	350.	420.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	10	105.	98.6	140.	45.	1251.822	35.381	46.	55.75	132.5	140.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	10	40.	34.	50.	13.	185.778	13.63	13.2	16.5	43.	49.6
00930p	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	10	125.	112.5	180.	29.	3063.833	55.352	29.7	46.5	162.5	179.
00931p	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	10	2.4	2.4	3.8	1.	0.942	0.971	1.01	1.4	3.35	3.77
00932p	SODIUM, PERCENT	02/26/74-09/22/81	10	34.5	36.7	48.	27.	50.678	7.119	27.1	31.75	44.25	47.7
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	10	5.45	4.67	6.9	1.4	4.173	2.043	1.47	2.175	6.35	6.89
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	10	135.	121.4	210.	15.	4752.267	68.937	17.3	40.25	190.	208.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	10	345.	316.	490.	100.	21271.111	145.846	102.	135.	442.5	489.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	10	9.35	9.55	13.	4.3	6.043	2.458	4.68	8.7	12.	12.9
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	8	125.	312.5	1040.	2.	145412.	381.329	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-12/06/79	22	992.	817.955	1210.	279.	104976.807	324.001	318.4	429.5	1065.	1110.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	9	967.	784.556	1060.	296.	110543.028	332.48	296.	369.5	1025.	1060.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-12/06/79	22	8925.	9452.273	16400.	5830.	8893561.255	2982.207	6029.	6730.	11000.	15030.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-12/06/79	22	1.35	1.112	1.65	0.38	0.195	0.441	0.431	0.585	1.448	1.51
71887p	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	10	7.15	7.28	12.	3.7	5.317	2.306	3.87	5.55	8.375	11.75

** - 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 1979 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	22	10.75	10.295	25.	0.	77.206	8.787	0.	0.375	16.625	23.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	20	2.75	11.1	31.	-7.	126.989	11.269	4.55	7.625	23.125	25.45
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	17	5470.	9695.882	34230.	3340.	78284013.235	8847.825	3620.	3730.	15270.	26238.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	22	1100.	1043.636	1430.	360.	114207.576	337.946	433.5	893.75	1300.	1400.
00300p	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	10	10.45	10.52	13.6	7.8	4.122	2.03	7.87	8.575	12.225	13.53
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	8	36.5	33.5	72.	8.	364.	19.079	**	**	**	**
00400p	PH (STANDARD UNITS)	02/26/74-09/22/81	22	8.05	8.149	8.7	7.6	0.094	0.306	7.8	7.975	8.425	8.6
00400p	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	22	8.047	8.054	8.7	7.6	0.103	0.321	7.8	7.975	8.425	8.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	22	0.009	0.009	0.025	0.002	0.	0.006	0.003	0.004	0.011	0.016
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	8	2.4	2.888	8.	0.7	6.184	2.487	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	8	164.	160.375	174.	131.	171.411	13.092	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	8	185.	186.25	200.	160.	198.214	14.079	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	9	0.	4.333	16.	0.	44.5	6.671	0.	0.	11.5	16.

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

Annual Analysis for 1979 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00600p	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	10	1.25	1.41	2.6	0.5	0.361	0.601	0.56	1.1	1.75	2.56
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	10	0.5	0.697	1.7	0.19	0.247	0.497	0.196	0.378	1.15	1.66
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	10	0.08	0.106	0.33	0.02	0.01	0.1	0.021	0.03	0.148	0.32
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	10	0.56	0.799	1.8	0.22	0.276	0.525	0.246	0.495	1.225	1.78
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	10	0.66	0.624	1.	0.05	0.071	0.267	0.088	0.453	0.79	0.991
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	10	0.03	0.205	0.7	0.01	0.077	0.277	0.01	0.018	0.483	0.694
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	8	5.6	9.163	24.	2.6	54.16	7.359	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	10	320.	316.	460.	140.	10360.	101.784	145.	250.	385.	460.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	9	180.	176.556	300.	0.	10454.278	102.246	0.	99.5	280.	300.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	10	79.	81.5	120.	37.	676.944	26.018	38.6	65.75	99.75	120.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	10	29.5	27.3	40.	11.	95.122	9.753	11.2	19.75	33.75	39.9
00930p	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	10	120.	87.51	130.	0.1	2543.223	50.43	2.29	29.5	122.5	130.
00931p	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	10	2.5	2.07	3.3	0.	1.176	1.084	0.08	0.95	2.825	3.26
00932p	SODIUM, PERCENT	02/26/74-09/22/81	10	43.5	37.2	52.	0.	252.178	15.88	2.5	26.5	48.25	51.7
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	10	5.1	4.76	5.9	2.6	1.527	1.236	2.61	3.9	5.8	5.89
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	10	120.	98.	150.	14.	2820.222	53.106	15.2	32.75	142.5	150.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	10	255.	279.7	460.	70.	17943.122	133.952	72.7	204.25	415.	460.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	8	9.15	9.413	12.	7.8	2.07	1.439	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-12/06/79	20	757.5	722.3	1050.	230.	69558.326	263.739	292.6	465.25	968.25	1029.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	6	631.5	634.833	992.	264.	101645.367	318.819	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-12/06/79	18	10550.	12466.667	21300.	7600.	18193541.176	4265.389	8086.	9282.5	14950.	21300.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-12/06/79	16	0.975	0.905	1.39	0.31	0.128	0.358	0.366	0.535	1.185	1.362
71887p	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	10	5.5	6.32	12.	2.2	7.695	2.774	2.47	4.975	7.65	11.79

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

Annual Analysis for 1980 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	12	10.5	11.292	24.	2.	56.748	7.533	2.15	3.625	17.75	23.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	12	16.	16.5	31.	3.5	102.545	10.126	3.95	7.625	27.625	30.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	3	4220.	4213.333	4280.	4140.	4933.333	70.238	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	12	1170.	1042.5	1460.	410.	130602.273	361.389	437.	647.5	1285.	1436.
00300p	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	12	9.1	9.717	12.4	7.2	3.136	1.771	7.53	8.425	11.575	12.37
00400p	PH (STANDARD UNITS)	02/26/74-09/22/81	12	8.05	8.025	8.4	7.5	0.071	0.267	7.53	7.925	8.25	8.37
00400p	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	12	8.047	7.942	8.4	7.5	0.079	0.28	7.53	7.925	8.25	8.37
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	12	0.009	0.011	0.032	0.004	0.	0.008	0.004	0.006	0.012	0.03
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	9	3.	3.544	8.6	1.3	4.403	2.098	1.3	2.35	4.05	8.6
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	10	153.	155.9	223.	90.	1174.767	34.275	94.9	142.	171.	219.6
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	9	190.	187.778	260.	110.	1719.444	41.466	110.	170.	210.	260.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	9	0.	1.333	6.	0.	7.	2.646	0.	0.	3.	6.
00600p	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	12	1.95	2.106	3.8	0.47	1.053	1.026	0.689	1.3	2.875	3.77
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	12	1.15	1.323	2.8	0.32	0.835	0.914	0.335	0.508	2.35	2.77
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	12	0.065	0.113	0.36	0.	0.019	0.139	0.	0.01	0.265	0.351
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	12	1.2	1.438	3.2	0.32	0.964	0.982	0.389	0.64	2.375	3.14
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	12	0.67	0.653	1.1	0.15	0.07	0.265	0.204	0.497	0.825	1.07
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	12	0.105	0.423	2.3	0.	0.528	0.726	0.006	0.033	0.468	2.06
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	12	340.	325.833	470.	140.	12735.606	112.852	146.	207.5	427.5	461.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	11	190.	161.091	280.	21.	8796.891	93.792	25.	50.	230.	280.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	12	84.	81.917	120.	39.	748.083	27.351	39.9	54.	107.5	117.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	12	33.	29.417	41.	11.	114.629	10.706	11.9	17.25	38.25	40.7
00930p	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	12	120.	103.417	150.	28.	1888.083	43.452	28.9	59.	130.	147.
00931p	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	12	2.8	2.425	3.1	1.	0.631	0.794	1.03	1.65	3.05	3.1
00932p	SODIUM, PERCENT	02/26/74-09/22/81	12	42.	39.083	45.	29.	35.72	5.977	29.3	33.5	44.	45.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	12	5.5	4.892	7.5	1.9	2.628	1.621	1.96	3.8	5.675	6.99
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	12	125.	107.833	170.	21.	2570.333	50.698	22.2	56.	140.	164.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	12	285.	273.5	450.	86.	14125.909	118.852	89.	160.	375.	438.

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

Annual Analysis for 1980 - Station ARCH0039

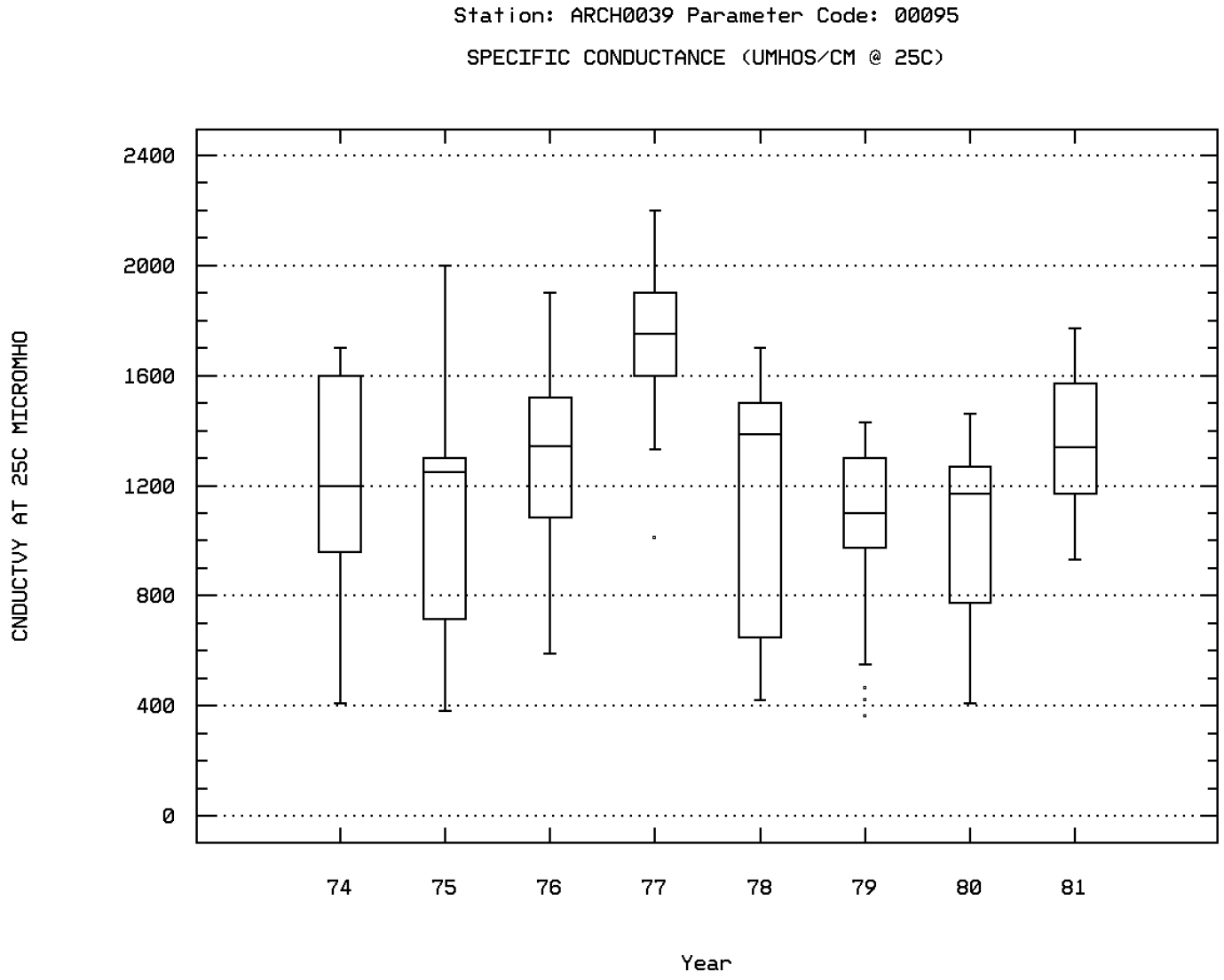
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71887p	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	12	8.5	9.242	17.	2.1	20.394	4.516	3.06	5.725	12.75	16.7

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

Annual Analysis for 1981 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	9	19.5	17.5	27.	3.	71.688	8.467	3.	9.5	25.	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	9	28.5	25.778	39.5	7.	137.507	11.726	7.	15.5	36.5	39.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	9	2820.	3138.889	4820.	1960.	781036.111	883.762	1960.	2465.	3675.	4820.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	9	1340.	1368.889	1770.	930.	77786.111	278.902	930.	1145.	1635.	1770.
00300p	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	9	7.9	8.789	12.4	7.2	3.731	1.932	7.2	7.4	10.5	12.4
00400p	PH (STANDARD UNITS)	02/26/74-09/22/81	9	8.1	8.056	8.2	7.9	0.015	0.124	7.9	7.9	8.15	8.2
00400p	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	9	8.1	8.04	8.2	7.9	0.016	0.125	7.9	7.9	8.15	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	9	0.008	0.009	0.013	0.006	0.	0.003	0.006	0.007	0.013	0.013
00600p	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	9	2.	2.1	4.	1.2	0.665	0.815	1.2	1.5	2.3	4.
00605p	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	9	1.	1.1	2.2	0.	0.365	0.604	0.	0.8	1.45	2.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	9	0.09	0.139	0.51	0.06	0.02	0.143	0.06	0.065	0.14	0.51
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	9	1.1	1.229	2.3	0.34	0.304	0.551	0.34	0.91	1.55	2.3
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	9	0.65	0.876	1.7	0.33	0.189	0.435	0.33	0.62	1.19	1.7
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	9	0.15	0.219	0.81	0.04	0.06	0.245	0.04	0.06	0.3	0.81
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	9	380.	422.222	600.	280.	13319.444	115.41	280.	340.	545.	600.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	2	200.	200.	200.	200.	0.	0.	**	**	**	**
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	9	94.	108.444	158.	73.	993.528	31.52	73.	84.	142.	158.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	9	35.	36.556	53.	23.	86.278	9.289	23.	30.5	44.5	53.
00930p	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	9	140.	137.333	180.	86.	794.	28.178	86.	120.	160.	180.
00931p	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	9	3.1	3.011	4.	2.2	0.266	0.516	2.2	2.65	3.3	4.
00932p	SODIUM, PERCENT	02/26/74-09/22/81	9	40.	41.667	50.	36.	26.	5.099	36.	37.	47.	50.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	9	5.3	5.222	7.	3.8	1.127	1.062	3.8	4.2	6.05	7.
00940p	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	9	150.	149.222	230.	93.	1442.944	37.986	93.	125.	165.	230.
00945p	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	9	330.	370.	570.	220.	15650.	125.1	220.	285.	500.	570.
71887p	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	9	8.9	9.278	18.	5.5	13.367	3.656	5.5	6.7	10.	18.

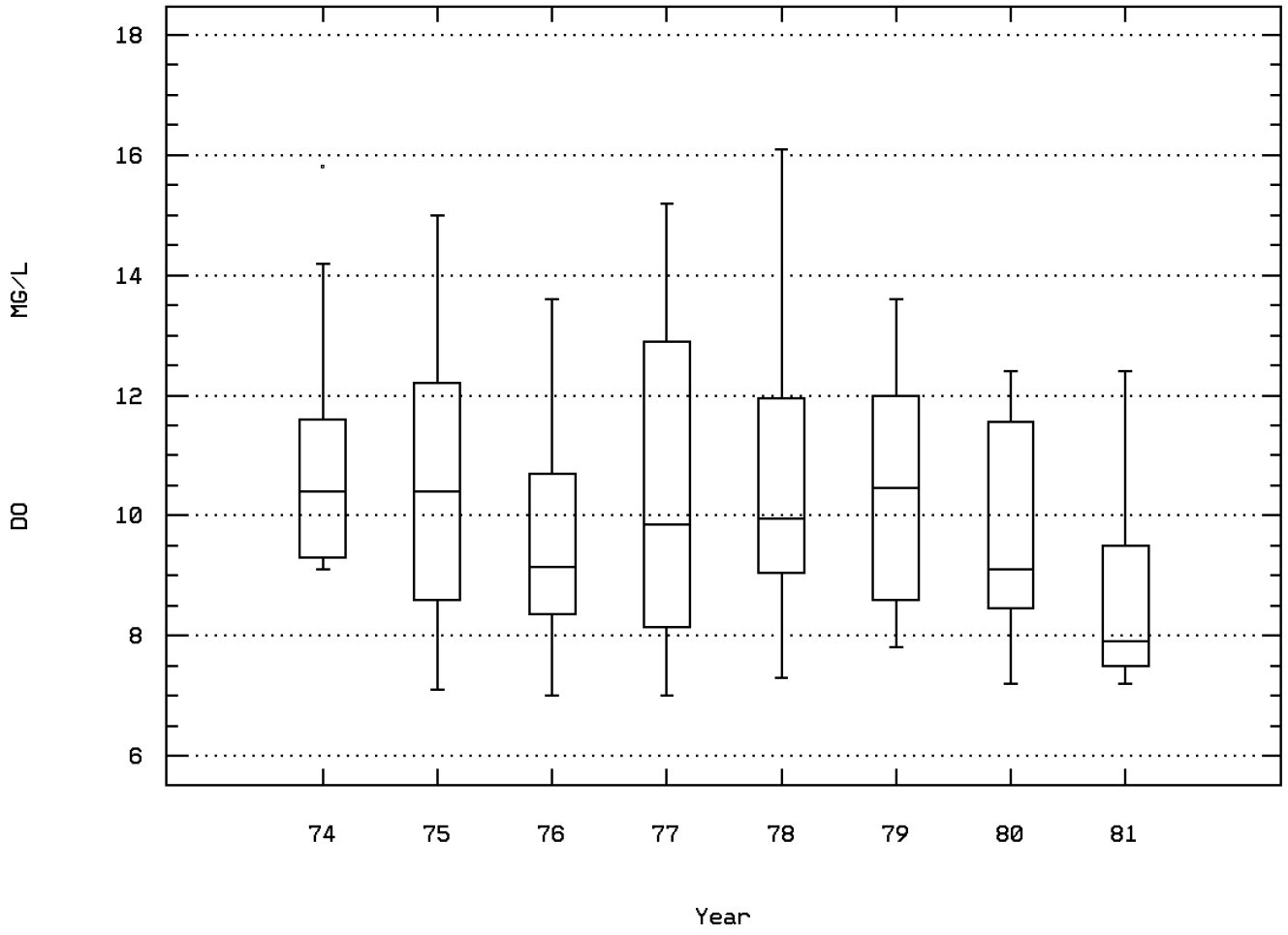
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



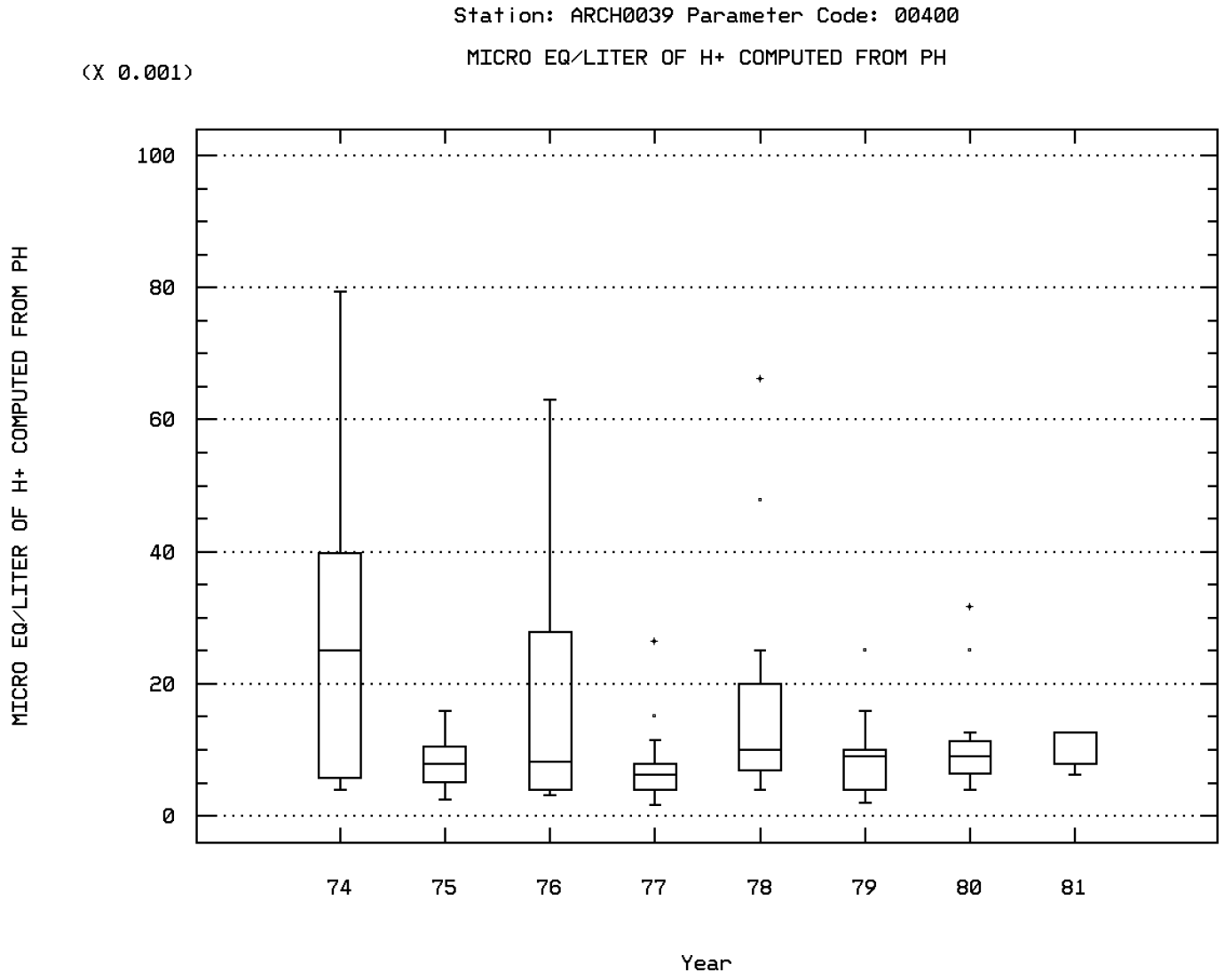
COLORADO R ABOVE MILL CREEK NEAR MOAB,

Station: ARCH0039 Parameter Code: 00300

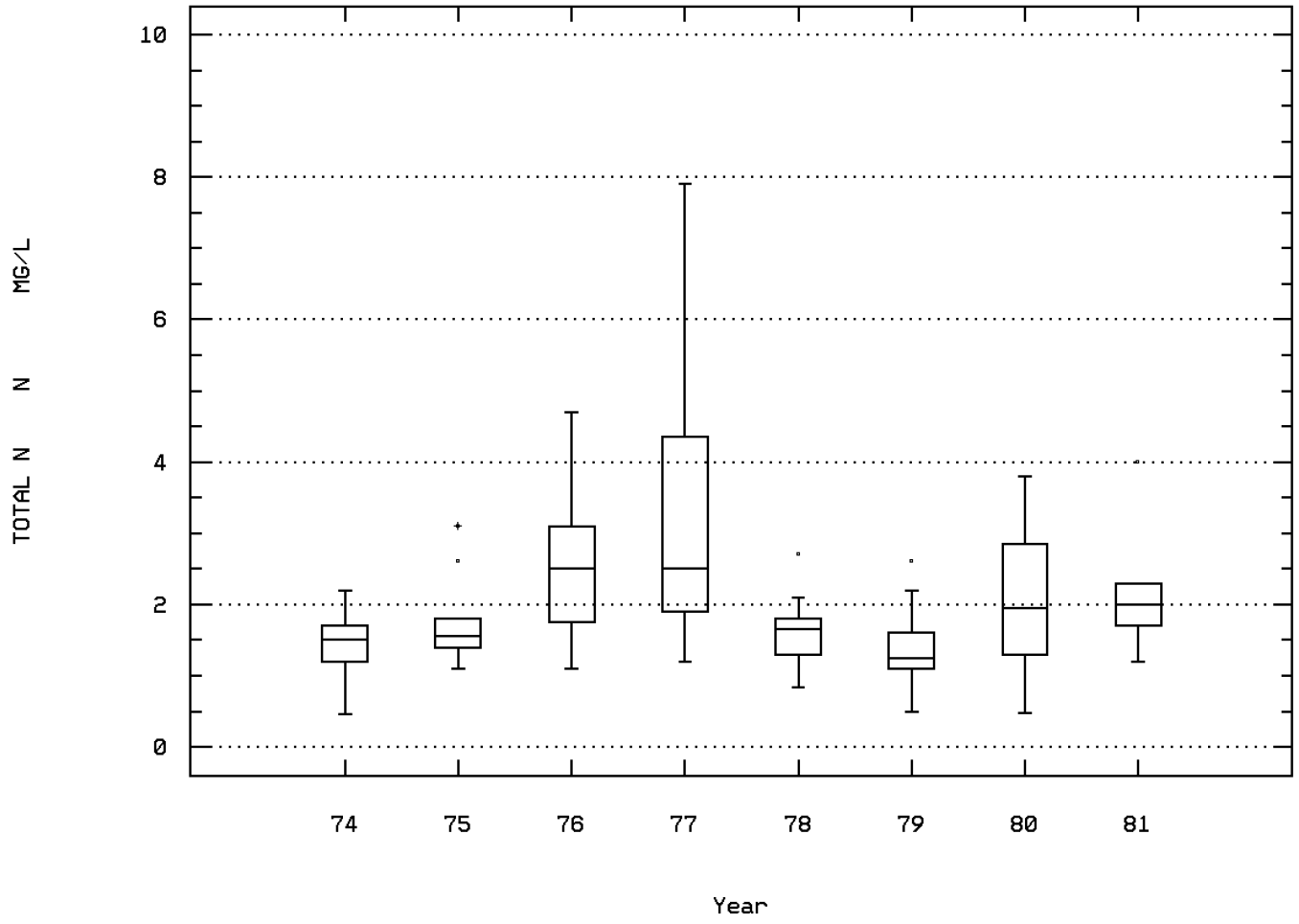
OXYGEN, DISSOLVED



COLORADO R ABOVE MILL CREEK NEAR MOAB,



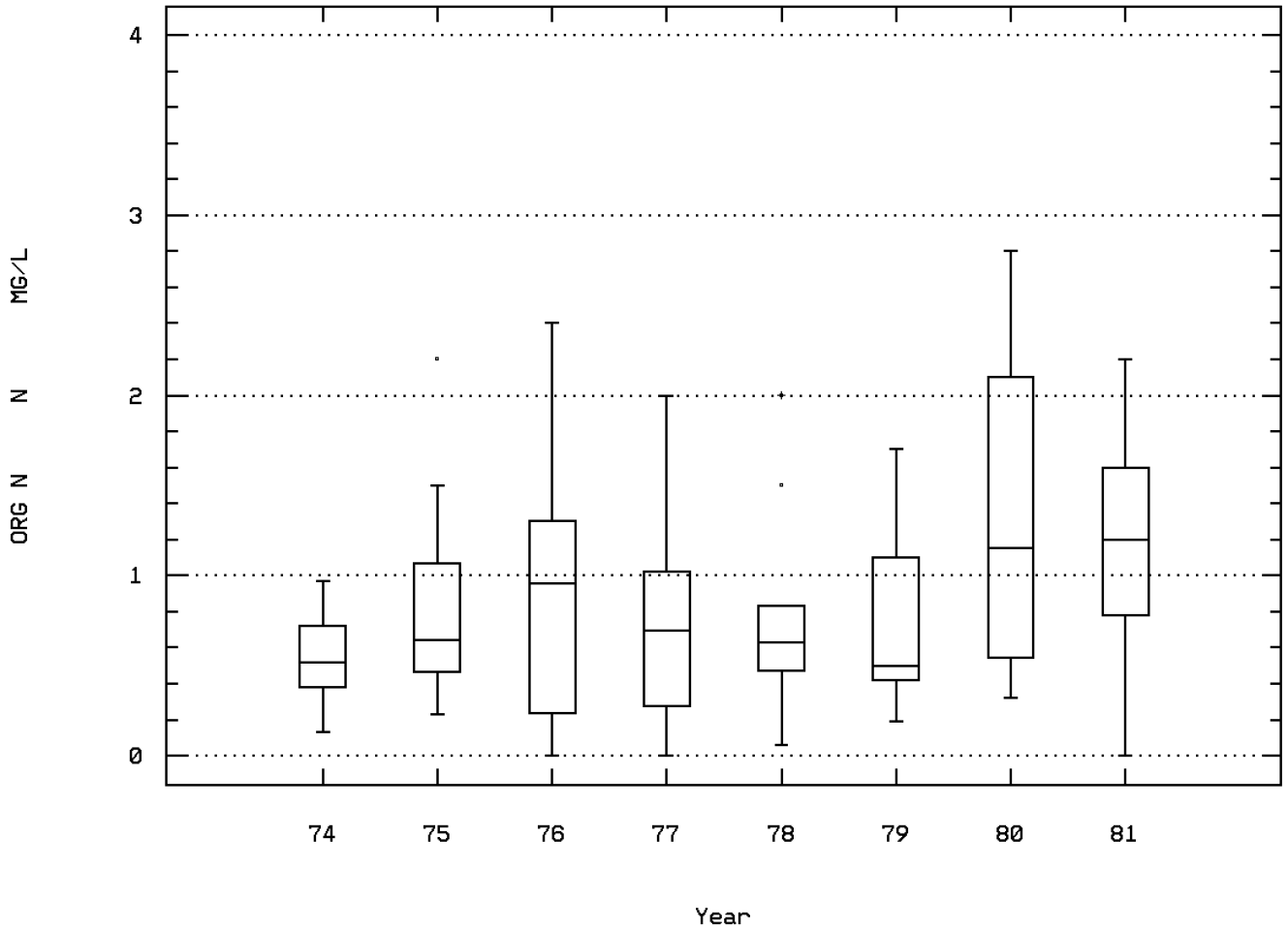
COLORADO R ABOVE MILL CREEK NEAR MOAB,



COLORADO R ABOVE MILL CREEK NEAR MOAB,

Station: ARCH0039 Parameter Code: 00605

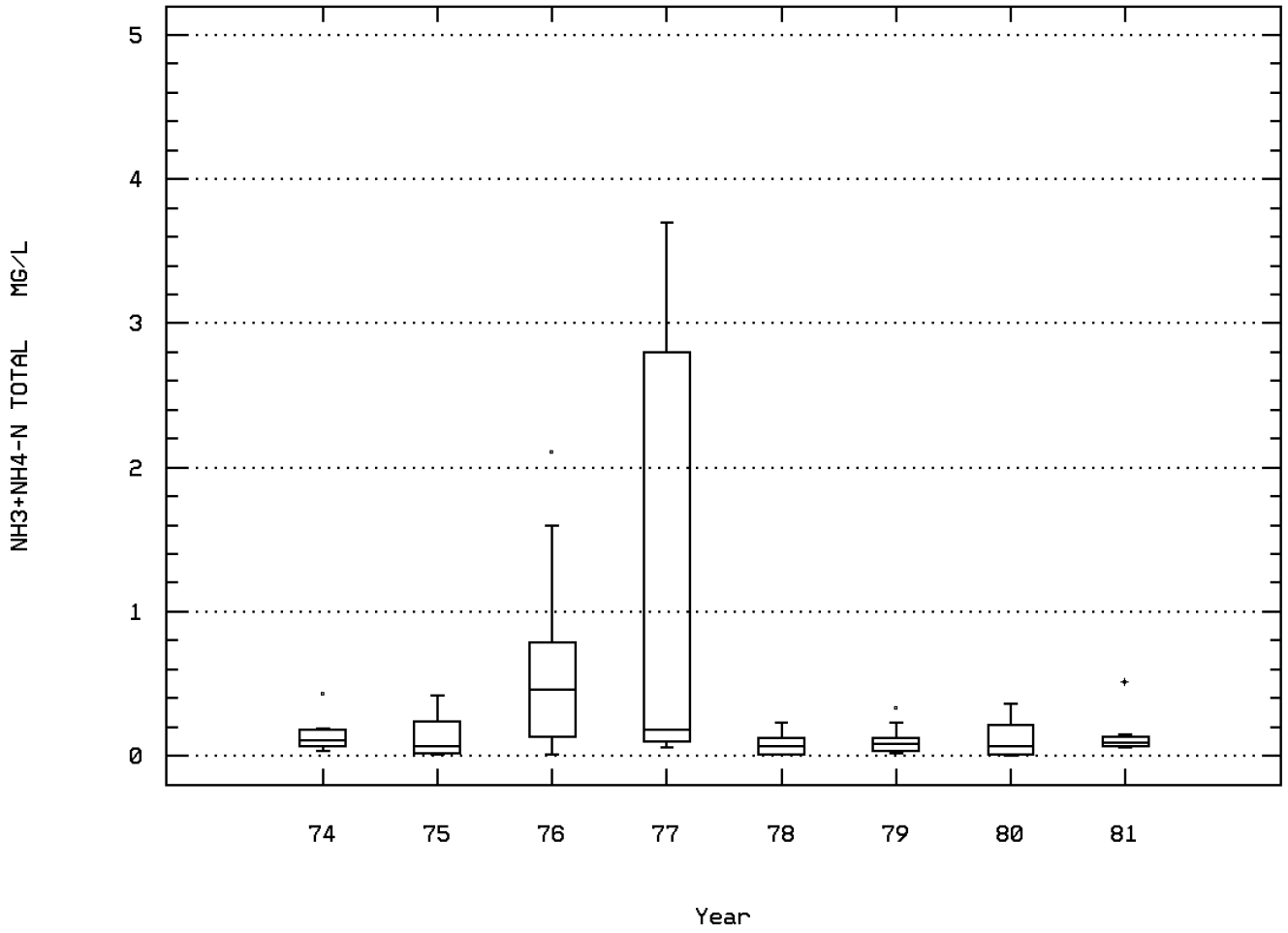
NITROGEN, ORGANIC, TOTAL (MG/L AS N)



COLORADO R ABOVE MILL CREEK NEAR MOAB,

Station: ARCH0039 Parameter Code: 00610

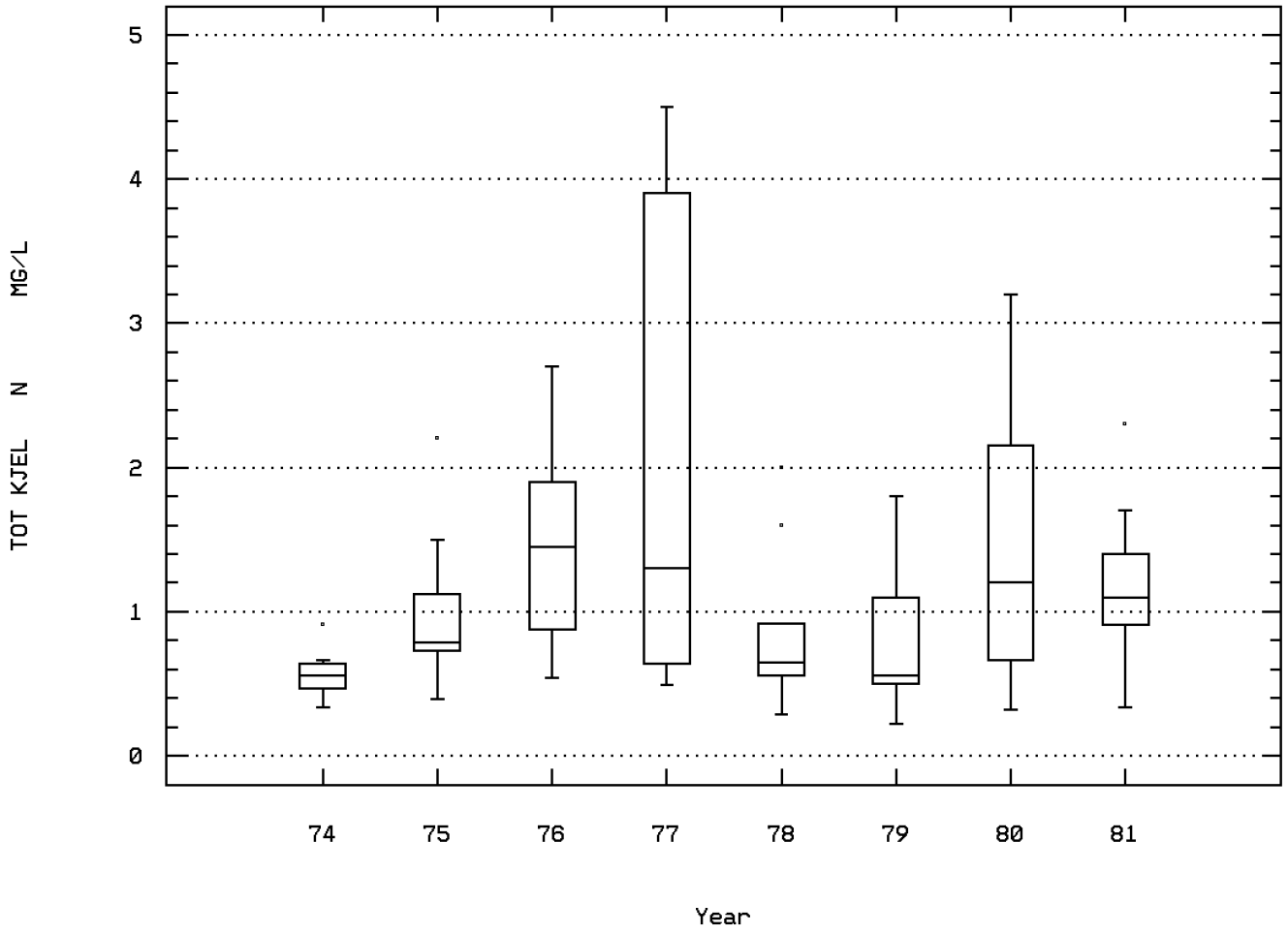
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



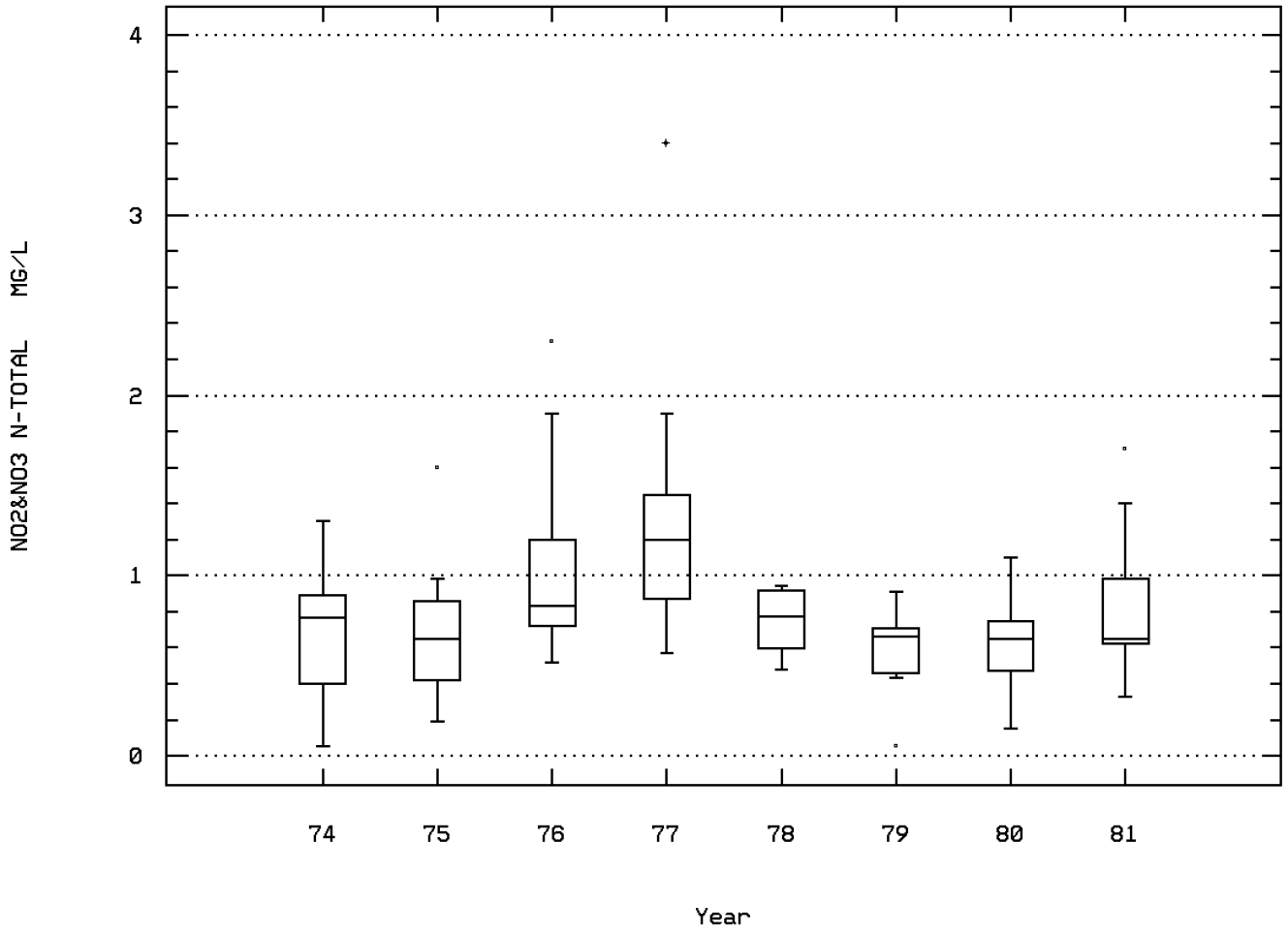
COLORADO R ABOVE MILL CREEK NEAR MOAB,

Station: ARCH0039 Parameter Code: 00625

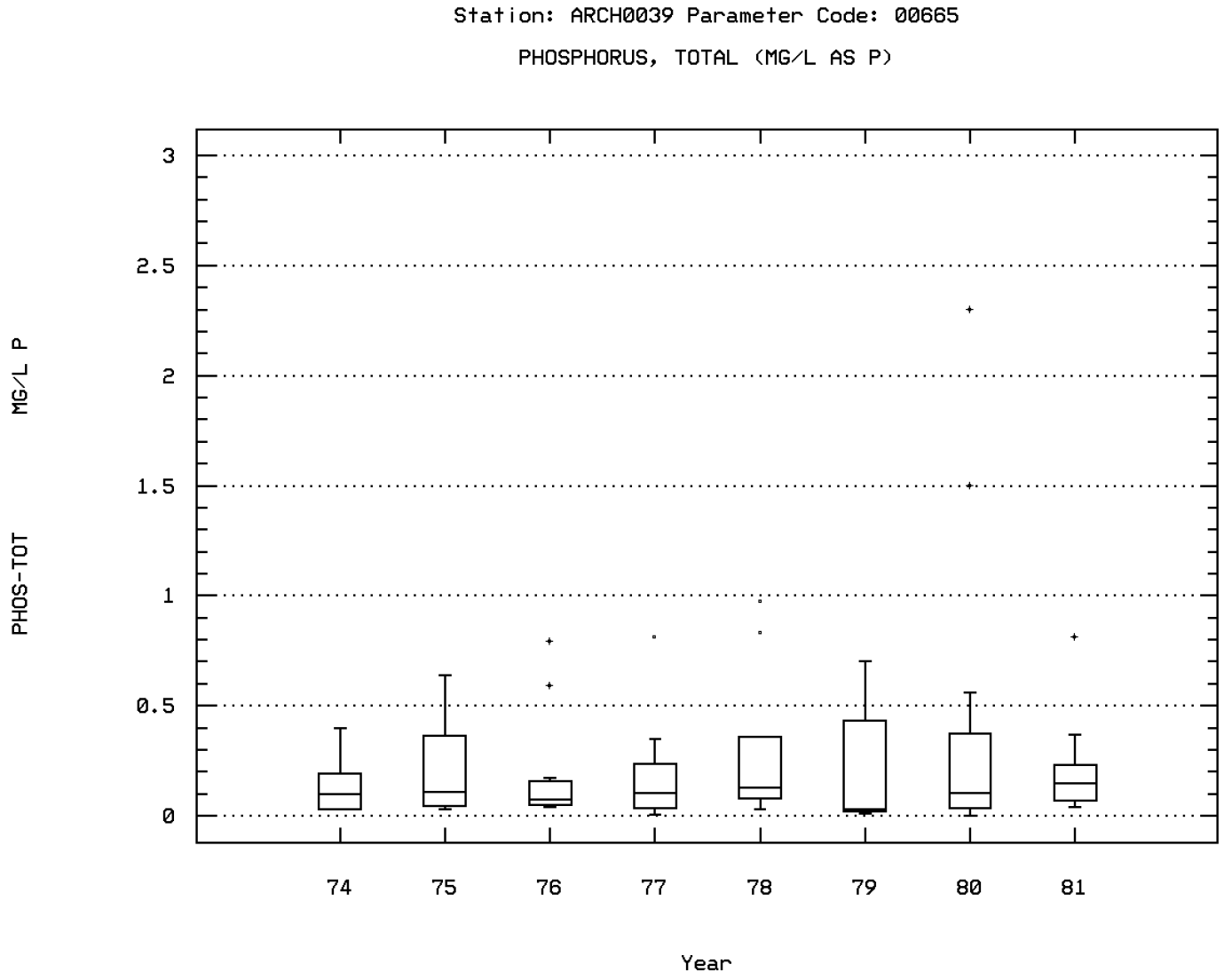
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



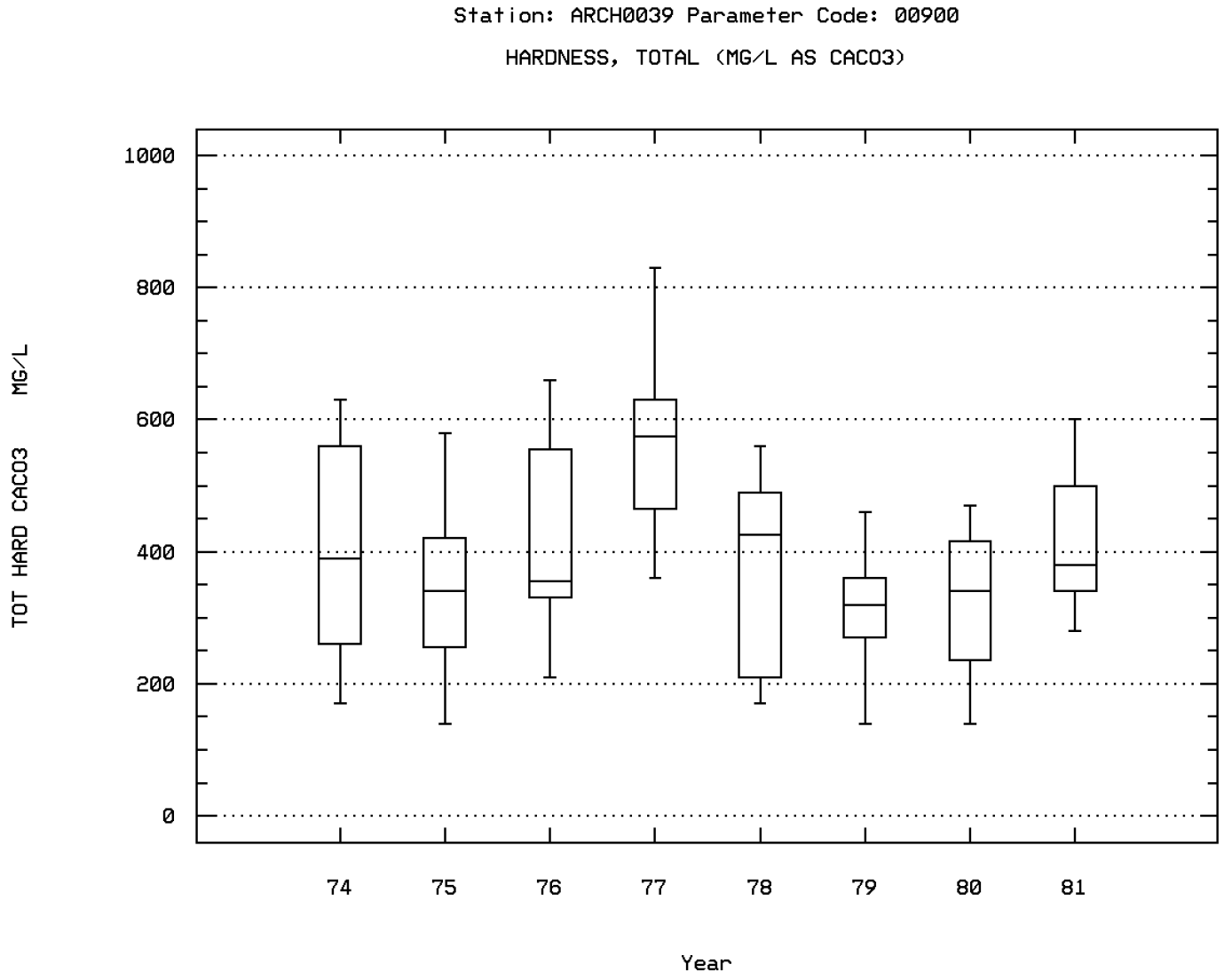
COLORADO R ABOVE MILL CREEK NEAR MOAB,



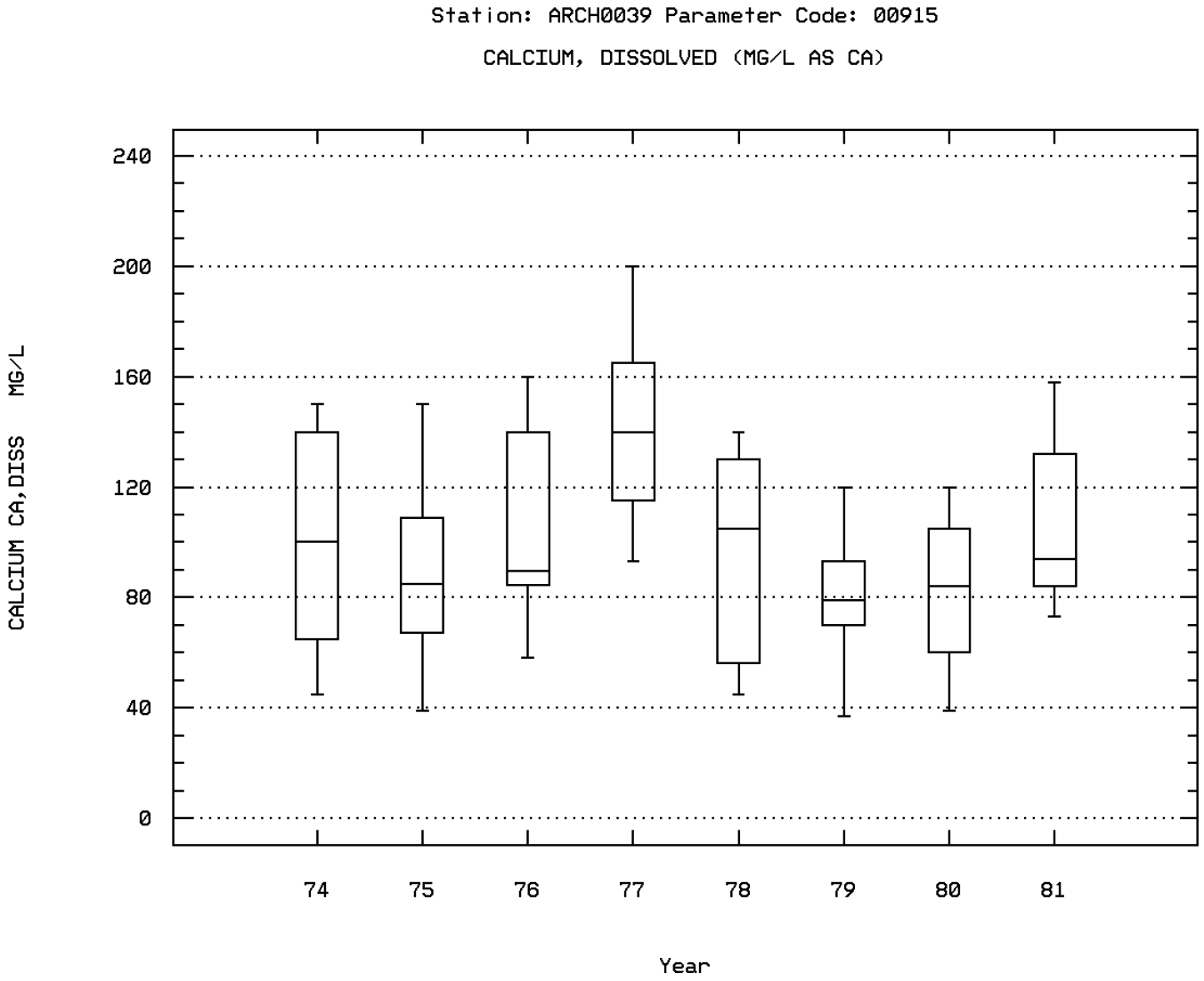
COLORADO R ABOVE MILL CREEK NEAR MOAB,



COLORADO R ABOVE MILL CREEK NEAR MOAB,



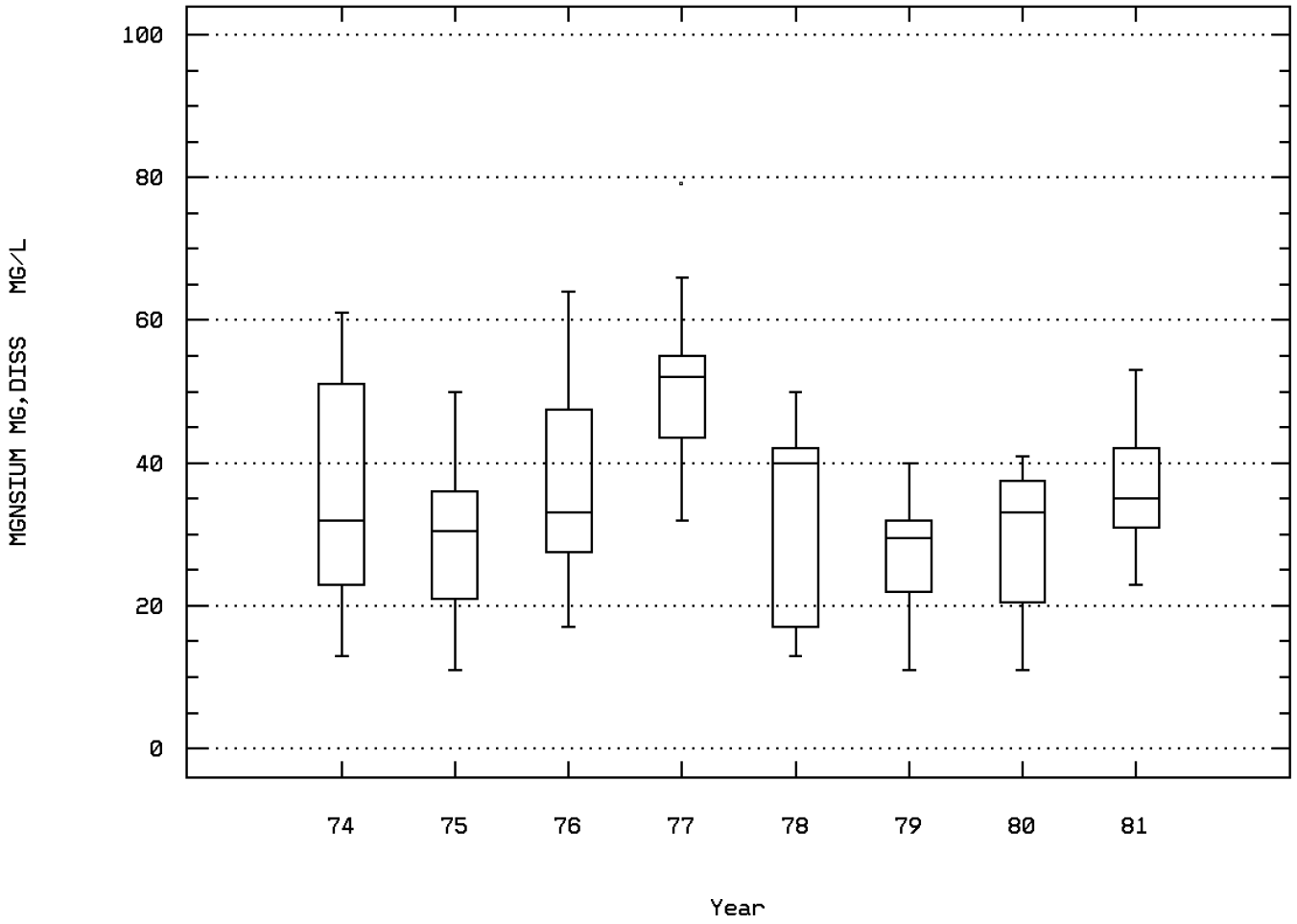
COLORADO R ABOVE MILL CREEK NEAR MOAB,



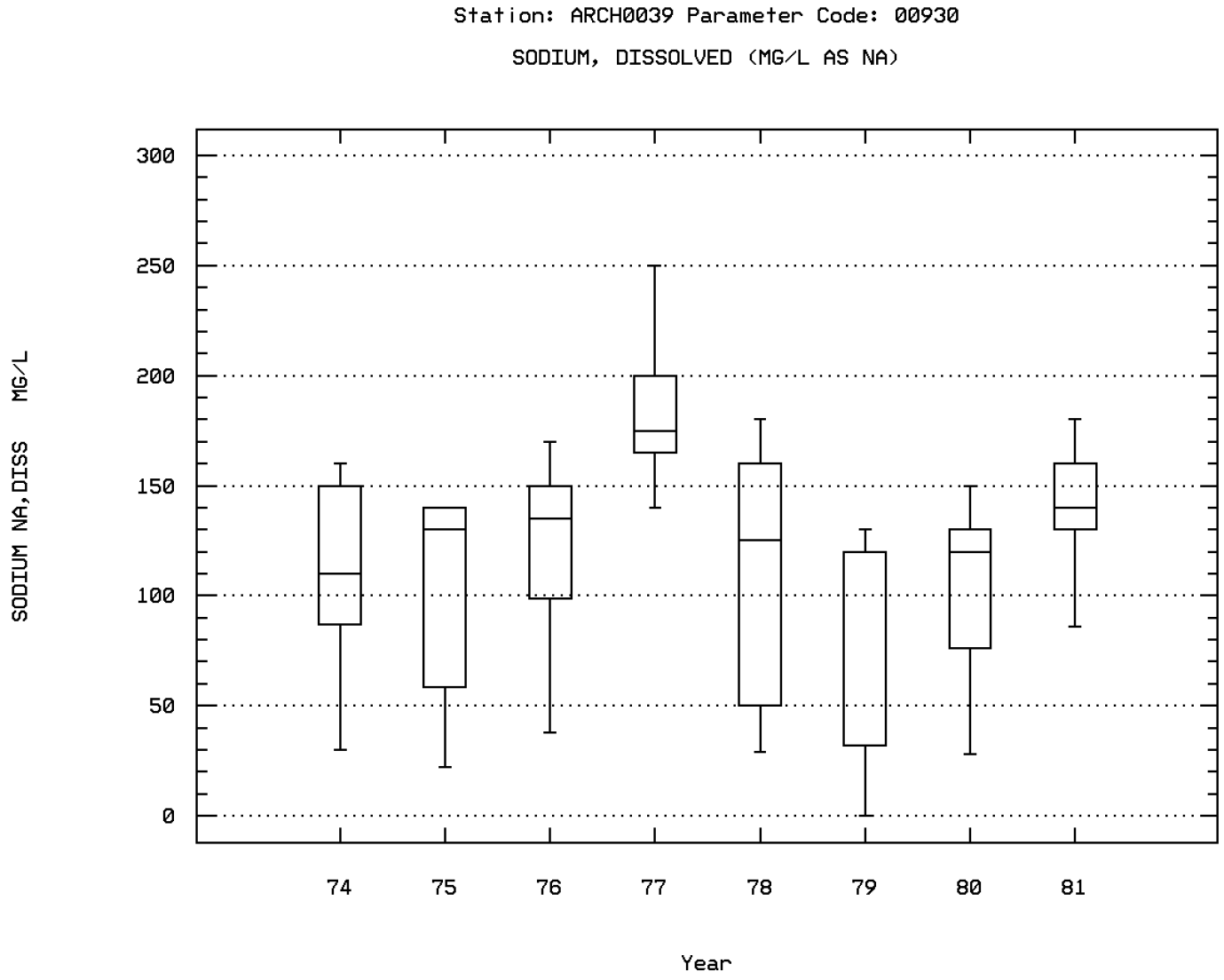
COLORADO R ABOVE MILL CREEK NEAR MOAB,

Station: ARCH0039 Parameter Code: 00925

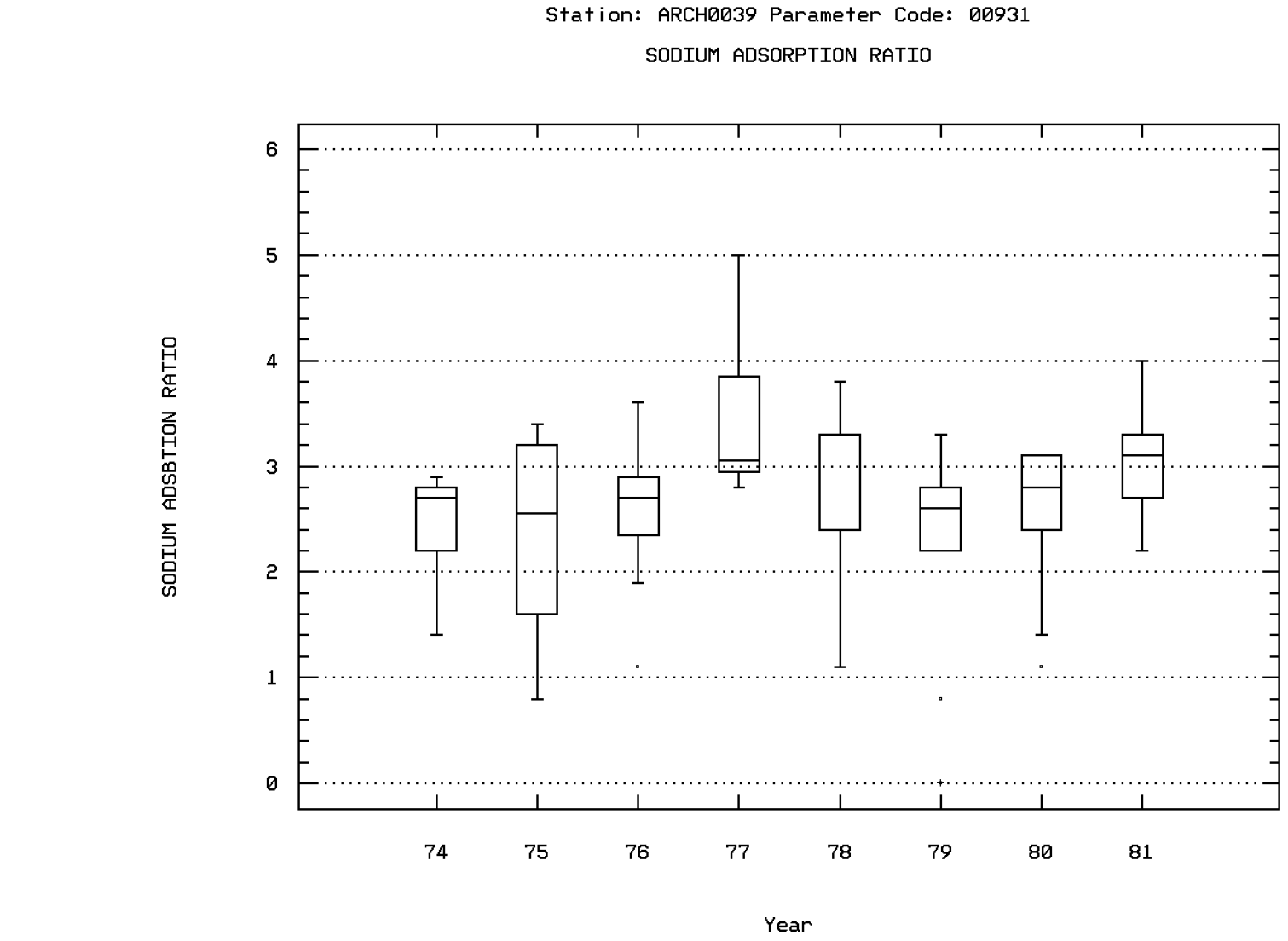
MAGNESIUM, DISSOLVED (MG/L AS MG)



COLORADO R ABOVE MILL CREEK NEAR MOAB,



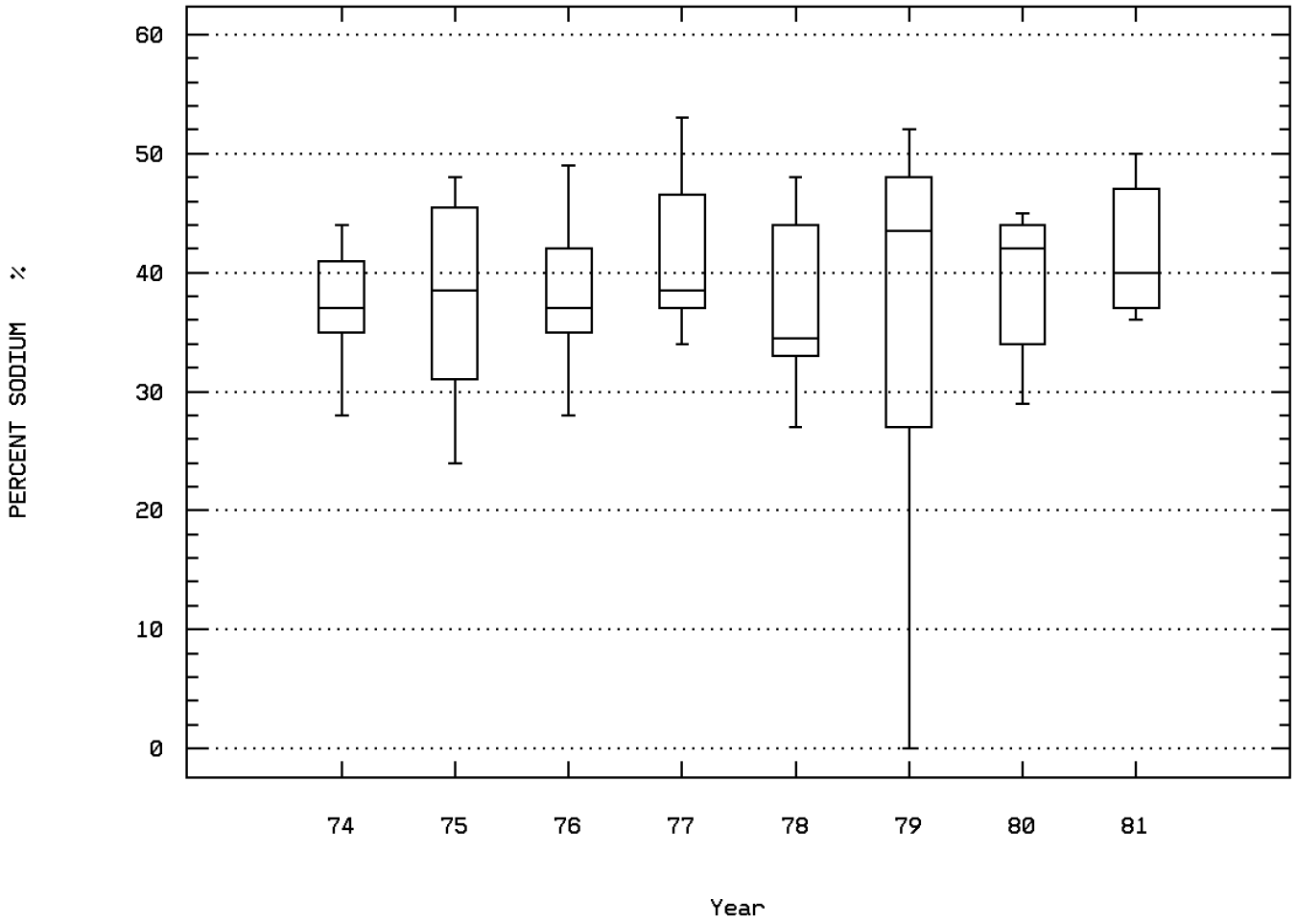
COLORADO R ABOVE MILL CREEK NEAR MOAB,



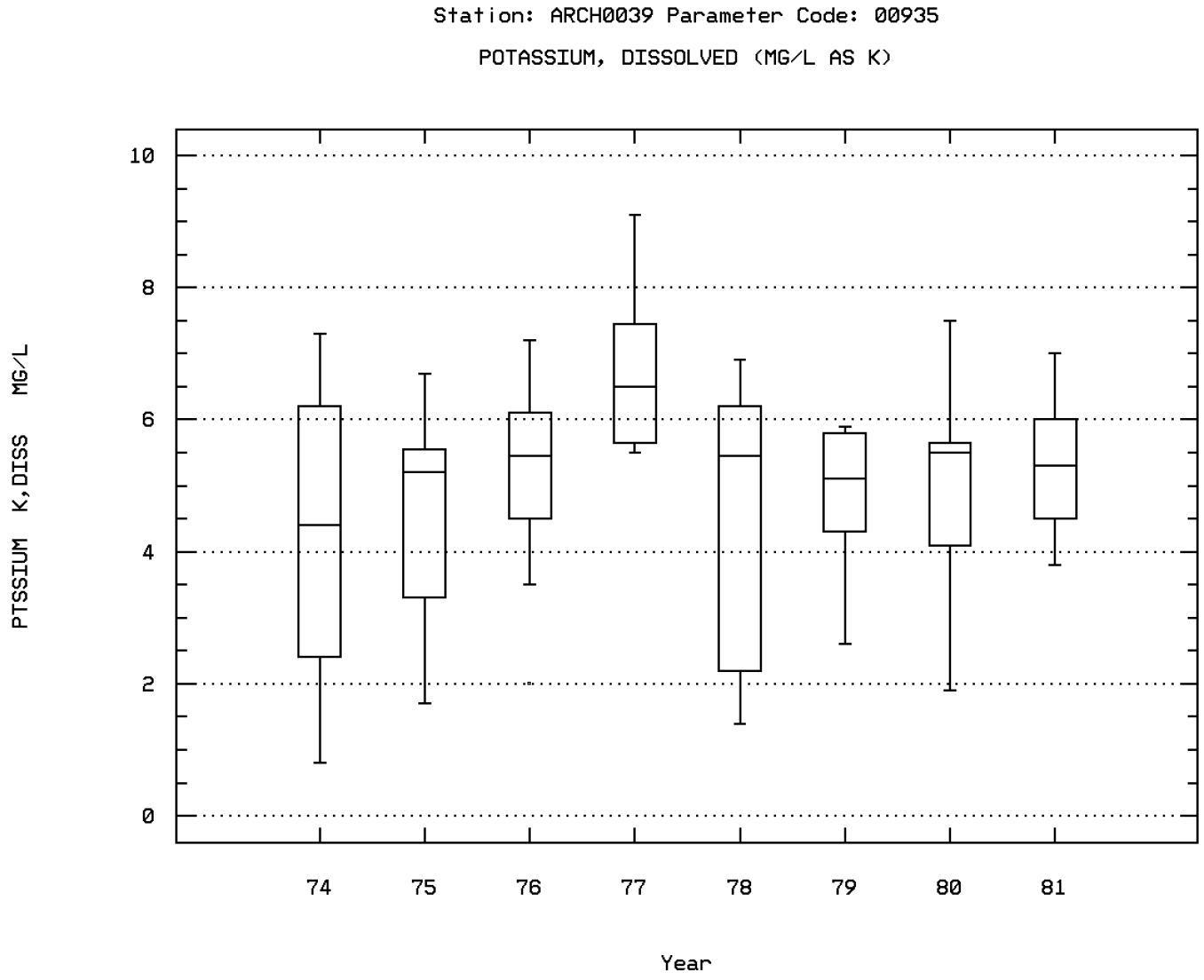
COLORADO R ABOVE MILL CREEK NEAR MOAB,

Station: ARCH0039 Parameter Code: 00932

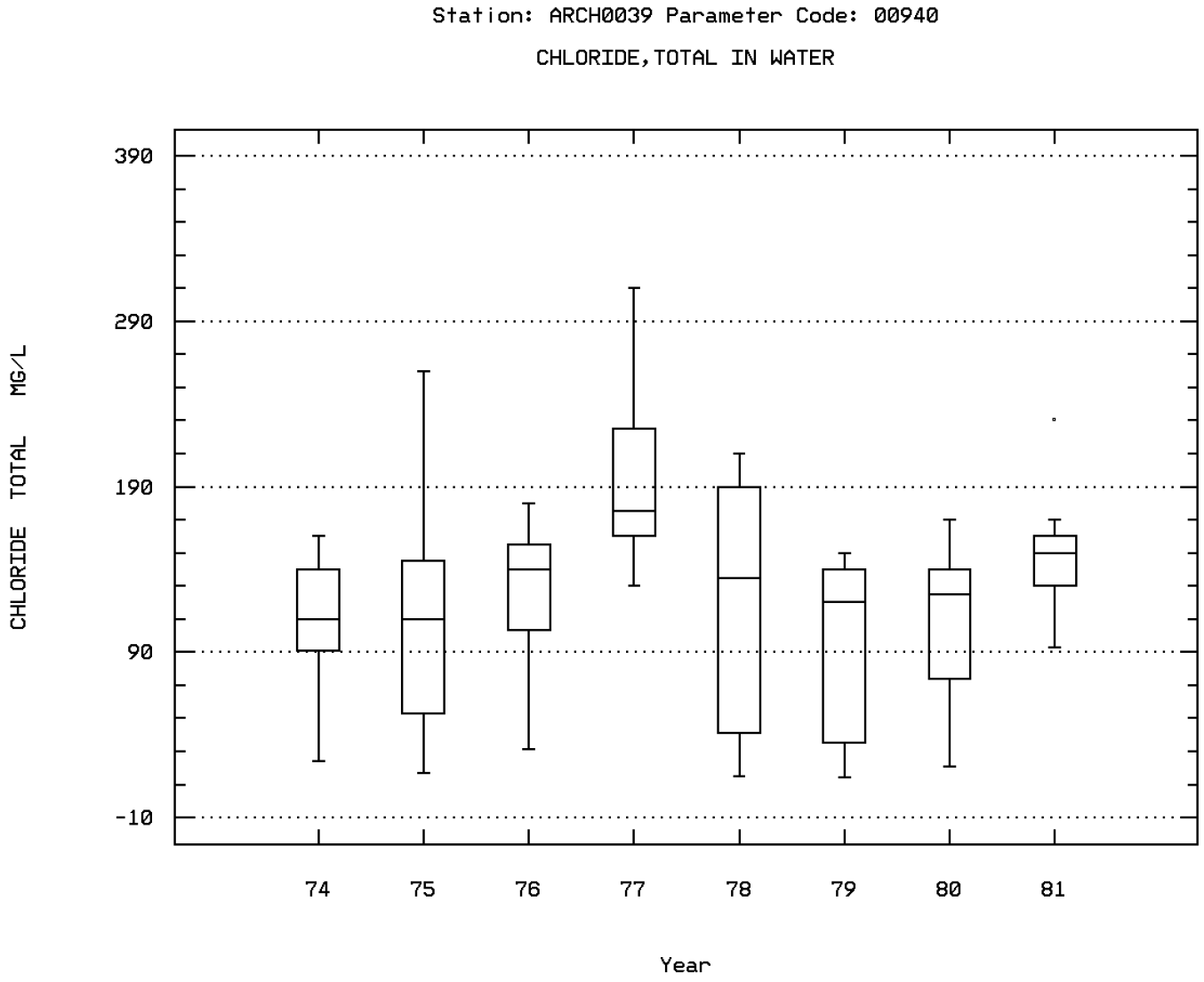
SODIUM, PERCENT



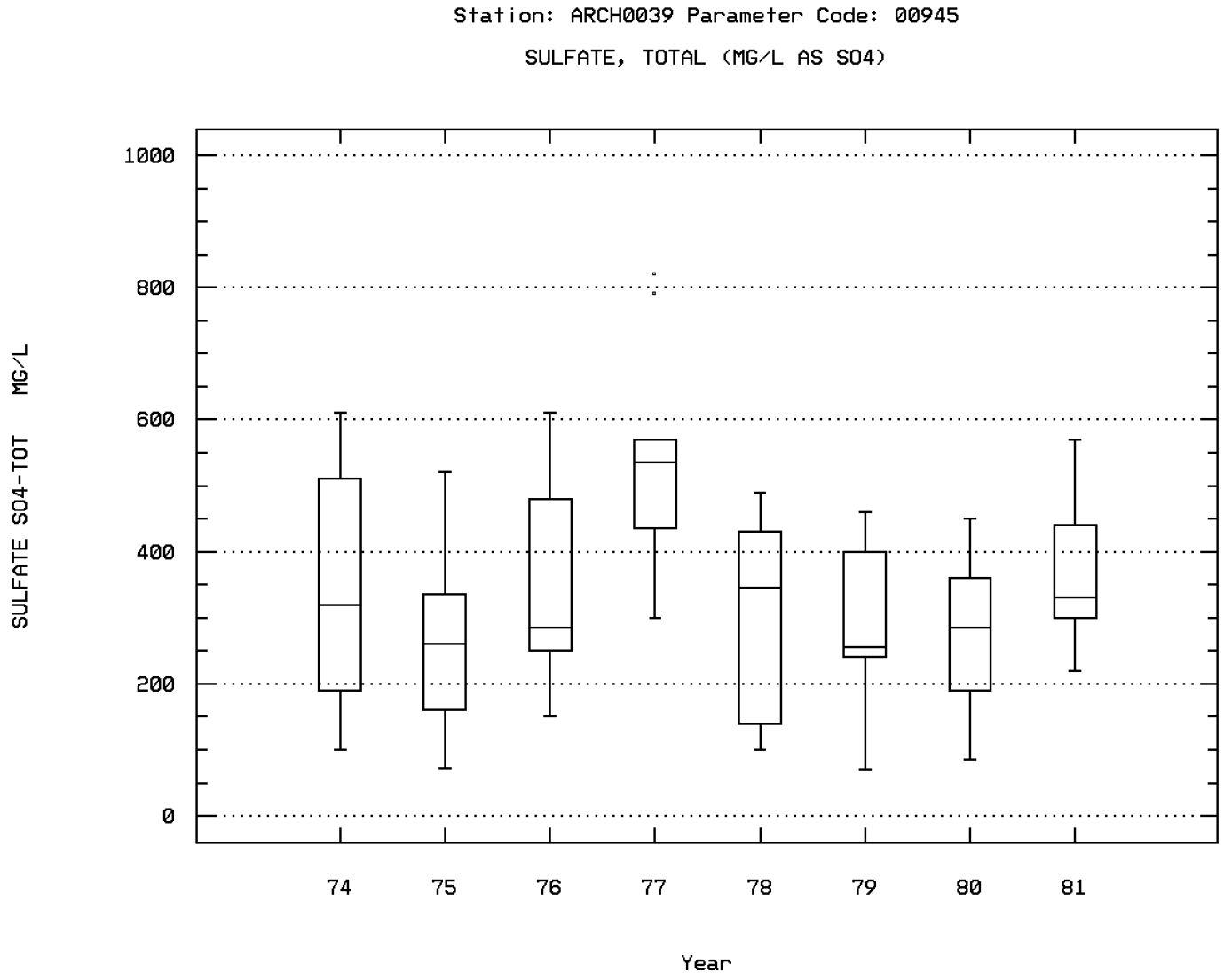
COLORADO R ABOVE MILL CREEK NEAR MOAB,



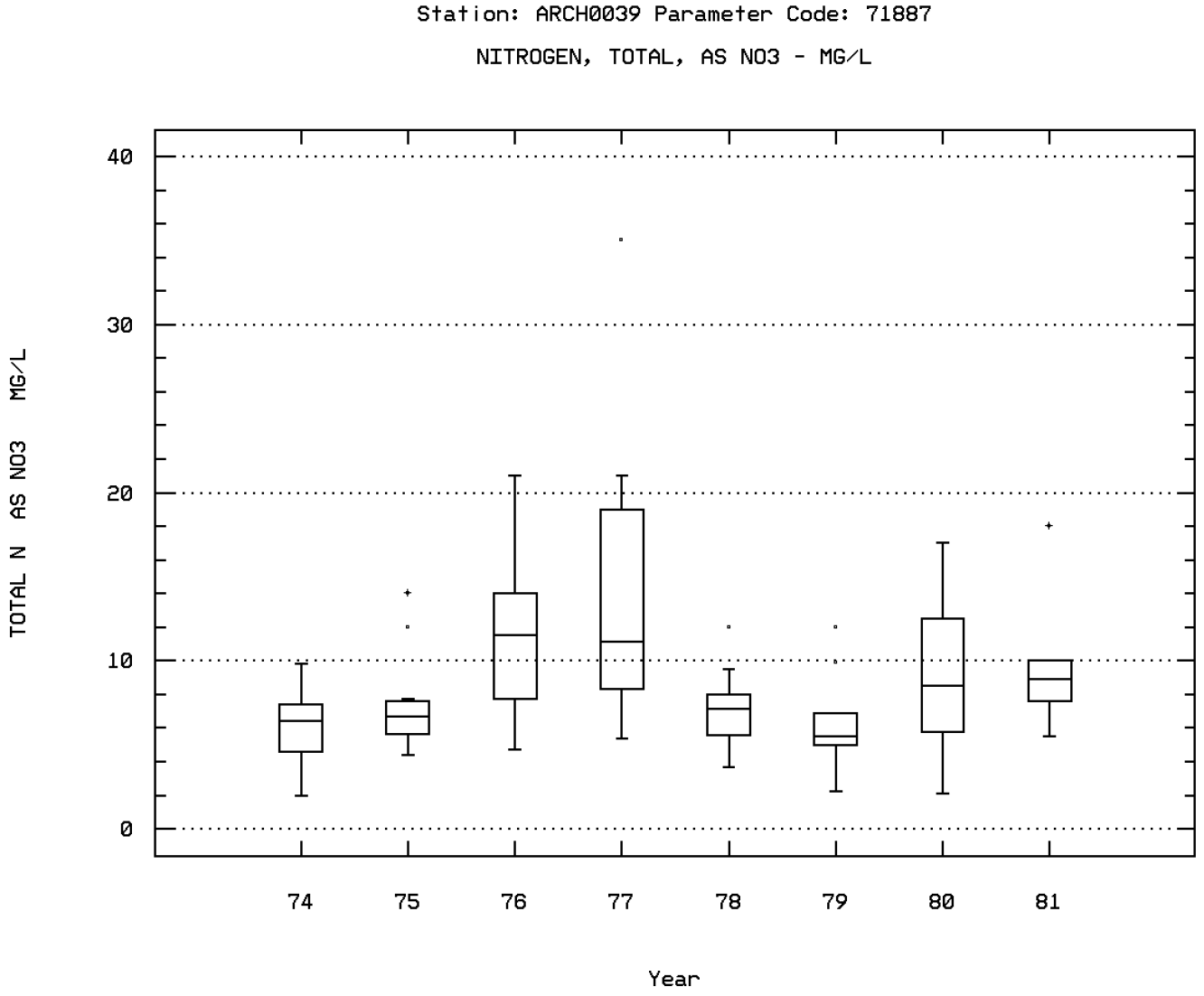
COLORADO R ABOVE MILL CREEK NEAR MOAB,



COLORADO R ABOVE MILL CREEK NEAR MOAB,



COLORADO R ABOVE MILL CREEK NEAR MOAB,



COLORADO R ABOVE MILL CREEK NEAR MOAB,

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	40	21.75	21.488	30.	10.	16.16	4.02	16.1	18.5	24.375	26.45
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	39	28.5	27.103	37.	13.5	40.581	6.37	17.	22.5	31.5	36.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	36	3000.	3266.944	9040.	1250.	2622570.397	1619.435	1934.	2000.	3940.	5000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	41	1600.	1538.902	2150.	730.	79810.64	282.508	1150.	1390.	1700.	1880.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	35	8.4	8.531	11.2	7.	1.336	1.156	7.16	7.6	9.2	10.24
00400	PH (STANDARD UNITS)	02/26/74-09/22/81	38	8.1	8.077	8.6	7.1	0.107	0.326	7.527	7.93	8.3	8.502
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	38	8.1	7.928	8.6	7.1	0.129	0.359	7.527	7.93	8.3	8.502
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	38	0.008	0.012	0.079	0.003	0.	0.014	0.003	0.005	0.012	0.03
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	17	1.9	3.435	21.	0.1	24.32	4.932	0.74	1.6	2.9	11.56
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	19	170.	158.737	200.	12.	1603.76	40.047	130.	148.	180.	189.
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	19	200.	191.316	240.	15.	2304.561	48.006	160.	180.	220.	230.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	15	0.	1.8	16.	0.	19.457	4.411	0.	0.	0.	10.6
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	23	2.1	2.135	4.7	0.5	1.166	1.08	1.04	1.3	2.8	4.06
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	23	0.72	0.966	2.4	0.03	0.386	0.621	0.282	0.59	1.2	2.12
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	23	0.05	0.109	0.66	0.005	0.028	0.169	0.005	0.01	0.13	0.414
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	23	0.91	1.074	2.4	0.22	0.367	0.606	0.482	0.61	1.3	2.26
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	23	1.	1.064	2.3	0.05	0.304	0.551	0.198	0.66	1.4	1.82
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	23	0.16	0.342	2.3	0.01	0.254	0.504	0.024	0.06	0.4	0.81
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	23	550.	524.348	830.	270.	15725.692	125.402	318.	460.	600.	648.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	20	355.	366.	650.	230.	11109.474	105.401	260.	280.	420.	508.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	23	140.	134.522	200.	70.	902.988	30.05	83.2	120.	152.	166.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	23	46.	45.652	79.	22.	161.237	12.698	26.	40.	51.	62.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	23	140.	136.13	200.	50.	1001.664	31.649	88.6	120.	160.	170.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	23	2.6	2.604	3.1	1.3	0.161	0.402	2.2	2.4	2.9	3.1
00932	SODIUM, PERCENT	02/26/74-09/22/81	23	35.	36.696	49.	28.	19.494	4.415	33.4	35.	37.	44.4
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	23	5.8	5.665	7.5	0.8	2.298	1.516	3.4	5.3	6.7	7.26
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	23	140.	132.913	170.	47.	851.992	29.189	95.	120.	150.	170.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	23	490.	479.13	820.	190.	17190.119	131.111	282.	430.	560.	610.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	23	9.1	9.47	21.	2.2	23.289	4.826	4.6	5.6	12.	18.

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Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	69	4.	4.638	14.	0.	16.83	4.102	0.	0.5	7.75	11.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	68	8.25	7.441	23.5	-10.	50.541	7.109	2.45	6.625	11.375	19.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	61	3700.	3702.295	8200.	1720.	1455034.645	1206.248	2152.	2690.	4330.	5000.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	68	1310.	1347.353	1890.	960.	45091.396	212.347	1099.	1205.	1482.5	1681.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	56	11.95	11.932	16.1	8.4	3.934	1.983	9.27	10.45	13.5	14.86
00400	PH (STANDARD UNITS)	02/26/74-09/22/81	69	8.1	8.115	8.7	7.2	0.107	0.327	7.6	8.	8.4	8.5
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	69	8.1	7.971	8.7	7.2	0.128	0.358	7.6	8.	8.4	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	69	0.008	0.011	0.063	0.002	0.	0.011	0.003	0.004	0.01	0.025
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	33	1.5	1.788	4.7	0.7	0.841	0.917	0.84	1.2	2.35	3.26
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	34	166.	170.235	223.	133.	433.094	20.811	149.	156.	180.	200.
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	33	195.	200.121	260.	162.	559.547	23.655	177.	182.	212.	240.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	34	4.	3.735	14.	0.	16.867	4.107	0.	0.	6.	10.
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	41	1.7	1.893	4.6	1.	0.7	0.836	1.2	1.3	2.1	3.5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	40	0.475	0.614	2.7	0.	0.278	0.527	0.006	0.235	0.83	1.29
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	40	0.155	0.435	3.7	0.	0.579	0.761	0.051	0.08	0.39	1.532
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	41	0.77	1.026	3.9	0.29	0.631	0.794	0.406	0.555	1.15	2.46
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	41	0.79	0.862	1.9	0.57	0.066	0.256	0.63	0.66	0.98	1.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	41	0.05	0.077	0.36	0.	0.005	0.071	0.012	0.03	0.105	0.168
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	41	370.	394.878	630.	260.	7640.61	87.411	312.	340.	440.	556.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	37	200.	228.378	430.	120.	6319.52	79.495	140.	175.	270.	380.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	41	93.	98.927	160.	65.	491.02	22.159	78.2	84.	110.	140.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	41	34.	35.927	55.	23.	61.97	7.872	28.	30.	39.5	49.6

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	41	140.	142.024	250.	93.	838.524	28.957	110.	120.	155.	180.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	41	3.	3.12	5.	2.4	0.268	0.517	2.6	2.8	3.35	3.8
00932	SODIUM, PERCENT	02/26/74-09/22/81	41	44.	43.878	53.	34.	20.21	4.496	37.	41.	47.5	49.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	41	5.6	5.744	9.1	4.4	0.862	0.928	4.54	5.25	6.1	6.88
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	41	150.	159.22	310.	98.	1977.976	44.474	112.	130.	180.	230.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	41	300.	325.122	570.	160.	8350.61	91.382	242.	260.	360.	478.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	41	7.3	8.398	20.	4.6	14.031	3.746	5.32	5.75	9.15	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 #3: 4/01 to 5/31 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	29	13.	13.362	21.	7.	11.391	3.375	9.5	10.5	16.	19.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	27	21.	19.574	31.	5.	55.36	7.44	8.6	12.5	25.	29.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	27	7000.	9980.	34230.	1680.	65046215.385	8065.123	2016.	4600.	16700.	22400.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	29	700.	879.655	1920.	360.	210451.663	458.75	410.	510.	1145.	1800.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	29	9.2	9.838	12.8	7.5	2.933	1.713	7.8	8.3	11.75	12.2
00400	PH (STANDARD UNITS)	02/26/74-09/22/81	28	7.905	7.961	8.8	7.2	0.111	0.333	7.5	7.8	8.2	8.4
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	28	7.905	7.841	8.8	7.2	0.125	0.354	7.5	7.8	8.2	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	28	0.012	0.014	0.063	0.002	0.	0.012	0.004	0.006	0.016	0.032
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	15	3.2	4.407	16.	1.	16.051	4.006	1.06	1.4	5.4	11.56
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	15	139.	138.067	168.	87.	568.067	23.834	90.	131.	160.	165.6
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	15	170.	167.333	205.	106.	811.952	28.495	109.6	160.	190.	202.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	13	0.	0.231	3.	0.	0.692	0.832	0.	0.	0.	1.8
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	17	2.1	2.635	7.9	1.	2.671	1.634	1.32	1.65	2.8	5.42
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	17	1.3	1.432	2.8	0.55	0.436	0.66	0.558	0.965	1.85	2.64
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	17	0.1	0.481	3.3	0.01	1.029	1.014	0.01	0.03	0.265	3.06
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	17	1.6	1.912	4.5	0.64	1.214	1.102	0.664	1.2	2.4	4.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	17	0.62	0.717	3.4	0.19	0.506	0.711	0.302	0.425	0.715	1.32
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	17	0.43	0.501	1.5	0.05	0.137	0.371	0.122	0.175	0.67	1.076
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	17	210.	261.176	550.	140.	14298.529	119.576	140.	170.	315.	478.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	15	79.	112.533	410.	0.	12293.552	110.876	12.6	41.	160.	338.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	17	58.	67.471	130.	37.	815.515	28.557	38.6	45.	78.5	122.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	17	17.	22.294	54.	11.	144.846	12.035	11.	13.	29.5	42.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	17	42.	64.947	210.	0.1	2897.623	53.83	17.62	29.5	87.	154.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	17	1.4	1.624	3.9	0.	0.918	0.958	0.64	1.	2.2	3.02
00932	SODIUM, PERCENT	02/26/74-09/22/81	17	33.	31.471	45.	0.	103.515	10.174	20.	27.	39.	41.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	17	3.5	3.594	8.2	1.4	2.888	1.699	1.88	2.2	4.35	6.04
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	17	38.	63.412	220.	14.	3222.257	56.765	14.8	22.5	92.	156.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	17	150.	206.176	560.	70.	20285.029	142.426	71.6	98.5	290.	448.
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	17	9.5	11.665	35.	4.6	52.004	7.211	5.96	7.15	12.5	23.8

** - 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 #4: 6/01 to 7/14 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-09/22/81	19	18.	19.395	27.	15.	15.183	3.897	15.	16.	22.5	26.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-09/22/81	18	27.25	27.667	39.5	16.	38.353	6.193	18.7	23.5	31.	37.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-09/22/81	18	11250.	12033.889	27000.	1510.	66398989.869	8148.558	1798.	4210.	20000.	24516.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-09/22/81	19	625.	853.421	2200.	400.	277672.368	526.946	410.	440.	1120.	1990.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/22/81	16	8.7	8.863	10.8	7.	1.404	1.185	7.14	8.225	9.95	10.66
00400	PH (STANDARD UNITS)	02/26/74-09/22/81	19	7.82	7.764	8.4	7.18	0.146	0.382	7.2	7.4	8.1	8.2
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-09/22/81	19	7.82	7.609	8.4	7.18	0.171	0.414	7.2	7.4	8.1	8.2

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-09/22/81	19	0.015	0.025	0.066	0.004	0.	0.021	0.006	0.008	0.04	0.063
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/17/80	6	3.3	3.417	6.9	1.1	4.918	2.218	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-11/20/80	6	90.	103.	140.	89.	477.6	21.854	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/17/80	6	110.	124.5	160.	108.	568.7	23.847	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/17/80	5	0.	1.	5.	0.	5.	2.236	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/22/81	7	1.	1.024	2.1	0.46	0.309	0.556	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/22/81	7	0.44	0.557	0.85	0.32	0.055	0.235	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/22/81	7	0.08	0.063	0.15	0.	0.003	0.057	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/22/81	7	0.54	0.62	1.	0.32	0.073	0.269	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/22/81	7	0.33	0.411	1.1	0.05	0.12	0.347	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/22/81	7	0.13	0.129	0.24	0.05	0.005	0.068	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/22/81	7	200.	294.286	700.	140.	38895.238	197.219	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-02/26/81	6	105.	180.5	570.	50.	38817.5	197.022	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/22/81	7	56.	76.286	170.	39.	2115.905	45.999	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/22/81	7	15.	25.143	66.	11.	379.143	19.472	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/22/81	7	45.	73.	190.	22.	3647.667	60.396	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/26/74-09/22/81	7	1.4	1.7	3.1	0.8	0.76	0.872	**	**	**	**
00932	SODIUM, PERCENT	02/26/74-09/22/81	7	33.	32.429	41.	24.	32.286	5.682	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/22/81	7	2.4	3.086	6.2	1.7	2.525	1.589	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/22/81	7	44.	70.	160.	17.	2898.333	53.836	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/22/81	7	130.	256.571	790.	80.	64148.952	253.276	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/22/81	7	4.4	4.529	9.3	2.	6.122	2.474	**	**	**	**

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

Station Inventory for Station: ARCH0040

NPS Station ID: ARCH0040 | LAT/LON: 38.576392/-109.408892 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17298 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_24 /1041188
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE RILL CREEK UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/78-06/25/78	1	18.6	18.6	18.6	18.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/78-06/25/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/25/78-06/25/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/78-06/25/78	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/78-06/25/78	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/78-06/25/78	1	61.7	61.7	61.7	61.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/78-06/25/78	1	34.7	34.7	34.7	34.7	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/25/78-06/25/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/25/78-06/25/78	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/25/78-06/25/78	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/25/78-06/25/78	1	187.	187.	187.	187.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/25/78-06/25/78	1	691.	691.	691.	691.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/25/78-06/25/78	1	51.	51.	51.	51.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/25/78-06/25/78	1	63.	63.	63.	63.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/25/78-06/25/78	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/25/78-06/25/78	1	135.	135.	135.	135.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/25/78-06/25/78	1	33.	33.	33.	33.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/25/78-06/25/78	1	0.28	0.28	0.28	0.28	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/25/78-06/25/78	1	34747.	34747.	34747.	34747.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00										1	1	1.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0041

NPS Station ID: ARCH0041
LAT/LON: 38.577504/-109.328616
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17433
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ARCH_NURE_25 /1041226
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WARNER LAKE UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/78-06/23/78	1	12.4	12.4	12.4	12.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/78-06/23/78	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/78-06/23/78	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/23/78-06/23/78	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/78-06/23/78	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/78-06/23/78	1	37.9	37.9	37.9	37.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/78-06/23/78	1	12.8	12.8	12.8	12.8	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/23/78-06/23/78	1	49.	49.	49.	49.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/23/78-06/23/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/78-06/23/78	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/78-06/23/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/78-06/23/78	1	1161.	1161.	1161.	1161.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/78-06/23/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/23/78-06/23/78	1	173.	173.	173.	173.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/23/78-06/23/78	1	84.	84.	84.	84.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/78-06/23/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/23/78-06/23/78	1	29.	29.	29.	29.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/23/78-06/23/78	1	1.46	1.46	1.46	1.46	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/23/78-06/23/78	1	12755.	12755.	12755.	12755.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0042

NPS Station ID: ARCH0042
LAT/LON: 38.577667/-109.579667
Agency: 21UTAH
Date Created: 10/27/77
Location: MOAB WWTP
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/MUN/TREATD/OUTFL/STREAM
STORET Station ID(s): 495655 /XC 992.60
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 0.390
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14030005001400.00
RF3 Mile Point: 0.16
Distance from RF3: 0.16
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	174	18.05	17.701	27.4	1.3	36.132	6.011	10.2	12.9	22.925	25.425
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/11/90-10/24/91	4	9.25	8.125	12.	2.	20.396	4.516	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	10/15/81-10/15/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/29/88-09/12/91	3	0.	0.367	1.1	0.	0.403	0.635	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-07/16/87	12	12.5	13.208	25.	6.4	31.223	5.588	6.43	8.2	16.75	23.5
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	145	801.	784.493	1500.	9.55	25667.497	160.211	666.8	726.	851.5	907.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-07/16/87	24	772.5	940.625	4410.	585.	557139.549	746.418	651.5	735.	881.25	1010.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/16/85-02/21/91	34	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300p	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	142	5.4	5.964	58.	0.	21.816	4.671	4.03	4.6	6.4	7.67
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	173	18.	20.818	95.	0.5	207.898	14.419	7.	11.	26.5	38.2
00311	BOD, DISSOLVED, 5 DAY MG/L	08/10/95-08/10/95	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	07/15/77-11/08/79	16	104.	119.375	230.	67.	2430.25	49.298	71.2	78.	143.75	209.
00400p	PH (STANDARD UNITS)	01/28/75-02/13/92	116	7.5	7.42	7.9	6.3	0.092	0.304	6.973	7.3	7.6	7.7
00400p	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	116	7.5	7.284	7.9	6.3	0.111	0.333	6.973	7.3	7.6	7.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	116	0.032	0.052	0.501	0.013	0.004	0.061	0.02	0.025	0.05	0.107
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-02/21/91	57	14.	23.263	110.	3.	617.626	24.852	5.	7.	27.5	67.
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	163	7.3	7.355	8.3	6.5	0.088	0.296	7.	7.2	7.5	7.7
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	163	7.3	7.255	8.3	6.5	0.098	0.313	7.	7.2	7.5	7.7
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	163	0.05	0.056	0.316	0.005	0.002	0.045	0.02	0.032	0.063	0.1
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-02/21/91	76	193.	181.287	247.	6.79	1808.145	42.522	124.2	152.	212.75	222.5
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-02/21/91	48	240.	220.125	286.	108.	2501.559	50.016	143.1	173.25	259.25	268.2
00445	CARBONATE ION (MG/L AS CO3)	07/16/85-02/21/91	35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	176	18.	22.889	144.	1.	441.797	21.019	6.	13.	27.5	41.3
00560	OIL & GREASE (FREON EXTR.-IR METHOD) TOT,REC,MG/L	08/03/83-11/02/94	11 ##	2.5	3.655	8.	0.2	5.963	2.442	0.66	2.5	5.	8.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	126	11.8	13.036	40.8	0.025	59.204	7.694	3.733	7.695	17.35	23.
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/07/75-05/12/88	20	0.415	3.076	17.5	0.005	31.177	5.584	0.005	0.005	2.9	15.225
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/07/75-05/12/88	27	4.6	5.436	15.94	0.25	19.33	4.397	0.48	1.6	8.5	12.368
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/12/77-05/12/88	45	17.1	19.522	47.2	2.8	103.861	10.191	7.06	11.85	26.35	33.02
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-09/18/97	28	1.305	3.055	19.4	0.1	21.018	4.585	0.33	0.775	2.973	7.66
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/29/97-06/25/98	9	8.15	7.76	11.31	3.54	7.035	2.652	3.54	5.68	10.365	11.31
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/77-06/25/98	86	6.54	7.066	33.3	3.85	10.93	3.306	4.812	5.598	7.6	9.325
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/97-06/25/98	8	3.85	3.713	4.4	2.31	0.401	0.633	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/15/77-02/01/84	16	24.6	24.988	56.	2.1	162.399	12.744	9.03	16.75	30.	44.38
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-06/12/86	12	159.	175.083	340.	24.	5413.356	73.576	60.9	156.	201.	313.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-11/08/79	11	46.	53.273	91.	40.	262.018	16.187	40.4	43.	56.	88.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-11/08/79	11	14.	15.545	27.	10.	29.273	5.41	10.4	12.	18.	26.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-11/08/79	11	60.	59.818	75.	45.	86.564	9.304	45.6	52.	68.	74.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-11/08/79	11	10.	10.	13.	8.	2.8	1.673	8.	9.	12.	12.8

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

Parameter Inventory for Station: ARCH0042

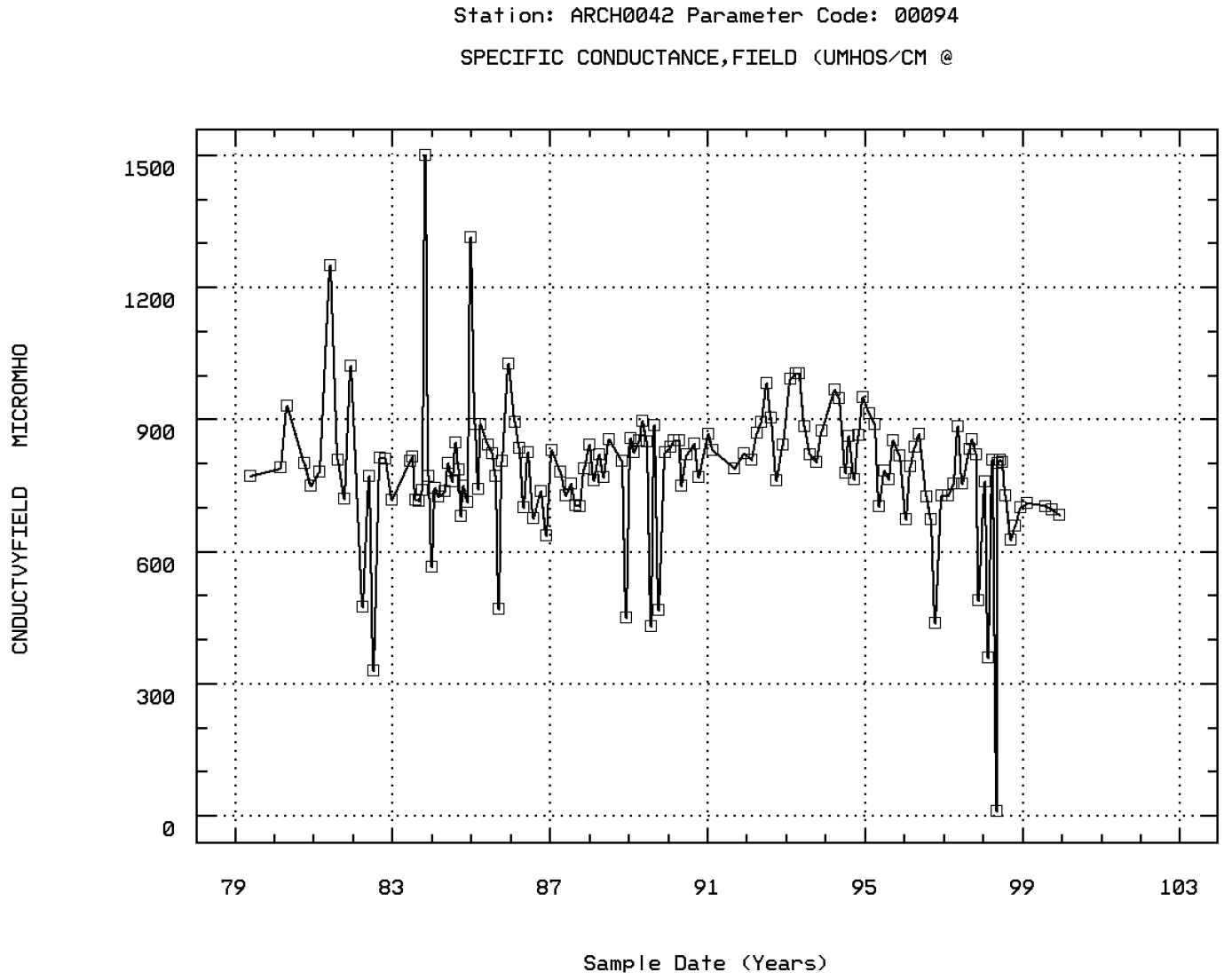
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-11/08/79	11	47.	48.364	70.	36.	101.055	10.053	36.	41.	54.	67.6
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-11/08/79	11	78.	98.273	240.	67.	2733.218	52.28	67.6	70.	104.	221.2
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-11/08/79	11	0.32	0.416	0.75	0.22	0.033	0.181	0.228	0.26	0.6	0.724
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/75-11/08/79	11	16.	16.455	20.	14.	4.473	2.115	14.	15.	18.	20.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/28/75-06/15/77	7	3.4	6.271	20.	2.	42.082	6.487	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/28/75-11/08/79	11	440.	424.545	610.	140.	19452.273	139.471	161.	350.	530.	602.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-03/31/76	3	5.	7.	14.	2.	39.	6.245	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/15/77-06/15/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/28/75-11/08/79	11	6.	13.636	46.	3.	177.255	13.314	3.2	4.	20.	42.2
01040	COPPER, DISSOLVED (UG/L AS CU)	01/28/75-06/15/77	9	22.	20.444	30.	10.	60.778	7.796	10.	12.5	27.5	30.
01046	IRON, DISSOLVED (UG/L AS FE)	01/28/75-06/15/77	8	27.5	31.5	80.	15.	413.714	20.34	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-03/31/76	3	5.6	6.867	10.	5.	7.453	2.73	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/28/75-06/15/77	8	15.	20.	50.	5.	250.	15.811	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-06/15/76	4	5.	6.	10.	4.	7.333	2.708	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-06/15/77	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-06/15/77	9	35.	32.778	55.	10.	256.944	16.029	10.	17.5	47.5	55.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/31/76-06/15/77	6	0.7	0.733	1.2	0.3	0.111	0.333	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/15/79-11/08/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01501	ALPHA, TOTAL	01/28/75-01/28/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
03501	BETA, TOTAL	01/28/75-10/08/80	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	01/28/75-01/28/75	1	434.	434.	434.	434.	0.	0.	**	**	**	**
31506p	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	158	1180.	8070.614	240000.	0.	532500317.805	23075.968	10.	115.	5075.	22650.
31506p	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	158	3.072	2.869	5.38	0.	1.587	1.26	1.	2.059	3.705	4.355
31506p	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			739.587								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	155	23.	3141.581	240000.	0.	479371318.394	21894.55	0.	4.	230.	852.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	155	1.362	1.519	5.38	0.	1.346	1.16	0.	0.602	2.362	2.929
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			33.02								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	68	238.	1009.324	11200.	0.	3743700.491	1934.864	0.	17.	974.	3010.
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	68	2.375	2.046	4.049	0.	1.571	1.253	0.	1.228	2.988	3.479
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			111.273								
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	01/10/91-01/10/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/31/76-03/15/79	5	1.1	0.835	1.4	0.015	0.342	0.584	**	**	**	**
50051p	FLOW, RATE, INSTANTANEOUS MGD	01/19/78-09/30/99	134	0.8	1.034	7.5	0.3	0.98	0.99	0.575	0.7	1.1	1.4
50060p	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	135	1.7	1.664	9.5	0.	1.075	1.037	0.46	0.97	2.2	2.588
61027	ANIONS, SUM, TOTAL IN WATER MG/L	09/12/91-12/09/99	63	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61283	M-XYLENE + P-XYLENE, TOTAL, WATER UG/L	01/10/91-01/10/91	1 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
61291	TOLUENE, TOTAL WATER UG/L	01/10/91-01/10/91	1 ##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	09/12/91-12/09/99	63	0.	2.921	28.	0.	30.945	5.563	0.	0.	6.	11.2
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	148	482.	492.412	2402.	232.	28829.183	169.792	403.8	444.	518.	548.4
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/28/75-11/08/79	11	6.9	7.373	10.5	6.5	1.286	1.134	6.54	6.75	7.4	10.02
80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	01/10/91-01/10/91	1 ##	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/15/79-11/08/79	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-11/08/79	11	0.3	0.38	0.86	0.15	0.066	0.257	0.152	0.2	0.6	0.852
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2	52.5	52.5	65.	40.	312.5	17.678	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/15/77-11/08/79	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2 ##	11.25	11.25	12.5	10.	3.125	1.768	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/15/79-11/08/79	2	44.5	44.5	45.	44.	0.5	0.707	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	0	0.00	3	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	142	14	0.10	39	9	0.23	58	2	0.03	28	1	0.04	17	2	0.12
00400	PH	Fresh Chronic	9.	116	0	0.00	37	0	0.00	48	0	0.00	19	0	0.00	12	0	0.00
		Other-Lo Lim.	6.5	116	2	0.02	37	2	0.05	48	0	0.00	19	0	0.00	12	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	163	0	0.00	46	0	0.00	67	0	0.00	30	0	0.00	20	0	0.00
		Other-Lo Lim.	6.5	163	2	0.01	46	0	0.00	67	1	0.01	30	1	0.03	20	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	20	6	0.30	6	0	0.00	9	4	0.44	4	1	0.25	1	1	1.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	27	5	0.19	10	0	0.00	11	3	0.27	5	2	0.40	1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	28	2	0.07	9	0	0.00	10	1	0.10	4	0	0.00	5	1	0.20
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	9	2	0.22				4	1	0.25	3	1	0.33	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	11	0	0.00	2	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	250.	11	0	0.00	2	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	11	0	0.00	2	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	11	0	0.00	2	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	7	0	0.00	1	0	0.00	4	0	0.00				2	0	0.00
		Drinking Water	50.	7	0	0.00	1	0	0.00	4	0	0.00				2	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3	2	0.67	1	0	0.00	2	2	1.00						
		Drinking Water	5.	3	2	0.67	1	0	0.00	2	2	1.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	11	4	0.36	2	0	0.00	6	3	0.50	1	0	0.00	2	1	0.50
		Drinking Water	100.	11	0	0.00	2	0	0.00	6	0	0.00	1	0	0.00	2	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	5	0.56	2	1	0.50	4	2	0.50	1	0	0.00	2	2	1.00
		Drinking Water	1300.	9	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	15.	3	0	0.00				2	0	0.00	1	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00				2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	4	0	0.00				2	0	0.00	1	0	0.00	1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	2	1	0.50				1	0	0.00				1	1	1.00
		Drinking Water	100.	2	0	0.00				1	0	0.00				1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	5000.	9	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	6	0	0.00	1	0	0.00	3	0	0.00				2	0	0.00
		Drinking Water	50.	6	0	0.00	1	0	0.00	3	0	0.00				2	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	2	0	0.00				2	0	0.00						
		Drinking Water	50.	2	0	0.00				2	0	0.00						
07000	TRITIUM, TOTAL	Drinking Water	20000.	1	0	0.00				1	0	0.00						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	157 &	84	0.54	43	19	0.44	65	39	0.60	31	15	0.48	18	11	0.61
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	155	42	0.27	42	10	0.24	64	18	0.28	31	8	0.26	18	6	0.33
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	134 &	133	0.99	38	37	0.97	56	56	1.00	25	25	1.00	15	15	1.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	2	0	0.00				2	0	0.00						
		Drinking Water	50.	2	0	0.00				2	0	0.00						
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	2	0	0.00				2	0	0.00						
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
		Drinking Water	5.	2	0	0.00				2	0	0.00						
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	2	0	0.00				2	0	0.00						
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	2	1	0.50				2	1	0.50						
		Drinking Water	1300.	2	0	0.00				2	0	0.00						
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	2	0	0.00				2	0	0.00						
		Drinking Water	15.	2	0	0.00				2	0	0.00						
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	3	0	0.00				2	0	0.00				1	0	0.00
		Drinking Water	2.	3	0	0.00				2	0	0.00				1	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1 &	0	0.00				1	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	2	0	0.00				2	0	0.00						
		Drinking Water	5000.	2	0	0.00				2	0	0.00						

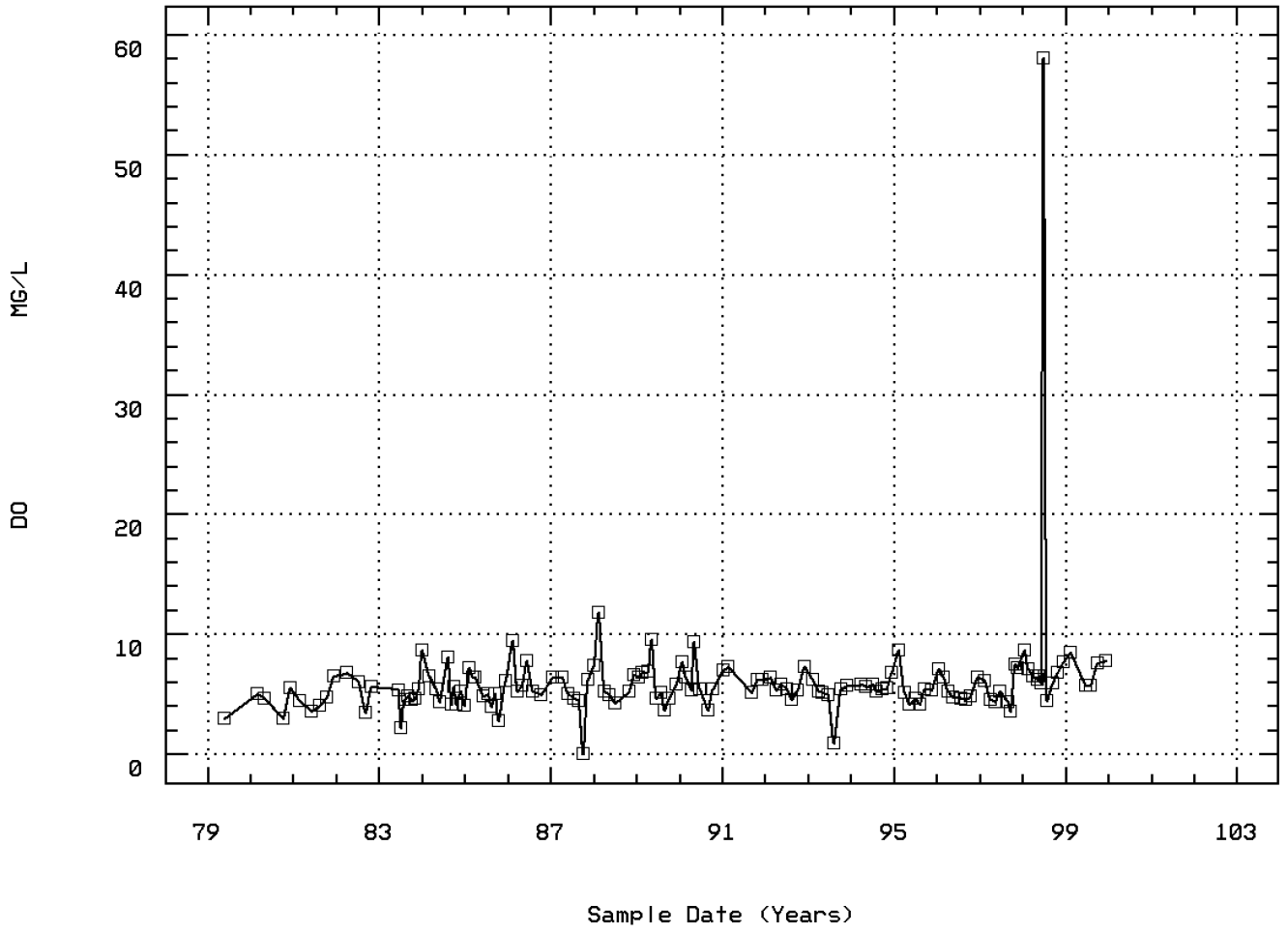
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter


Station: ARCH0042 Parameter Code: 00094
SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @
CNDUCTVYFIELD MICROMHO
1500
1200
900
600
300
0
79
83
87
91
95
99
103
Sample Date (Years)

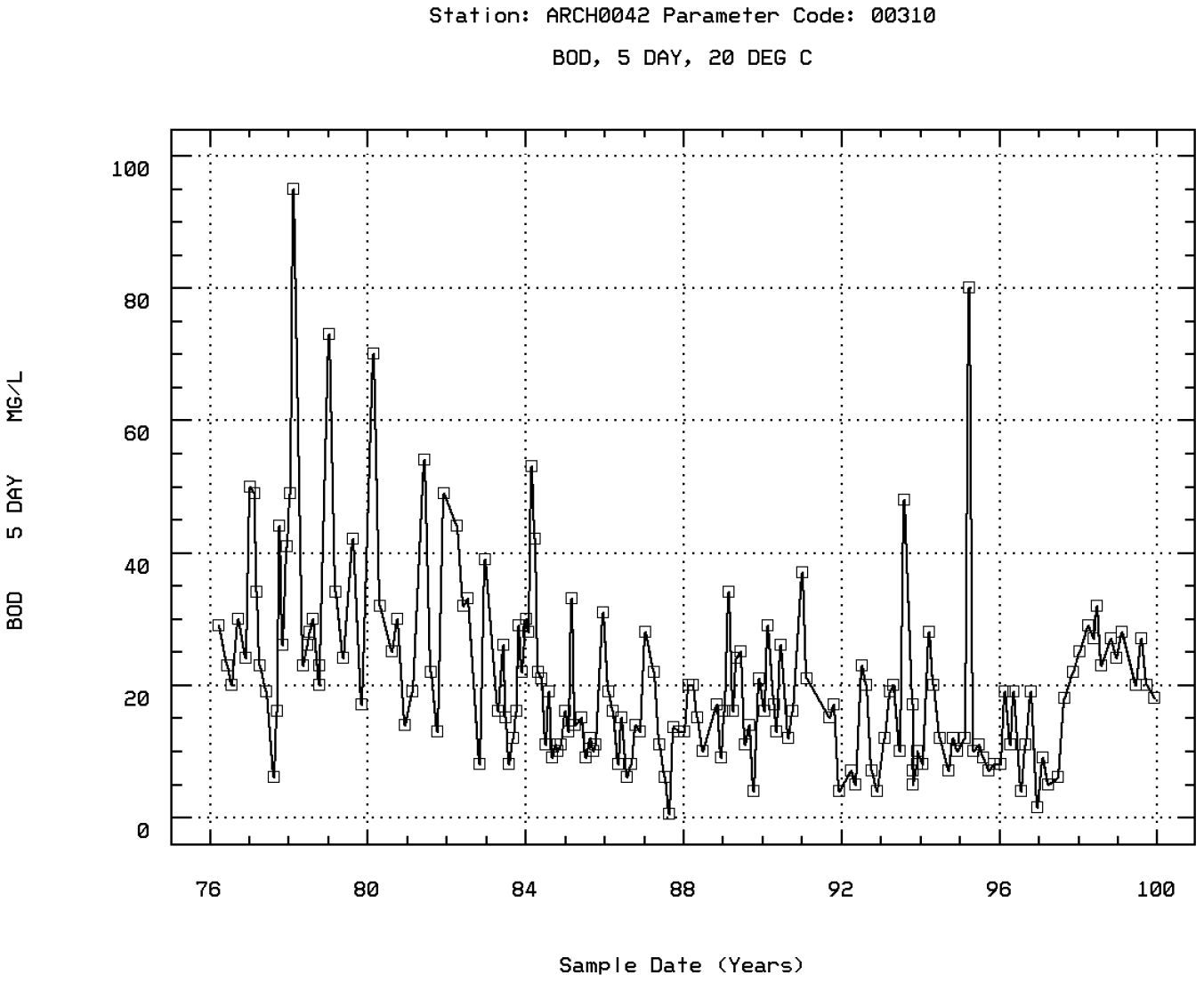
MOAB WWTP

Station: ARCH0042 Parameter Code: 00300

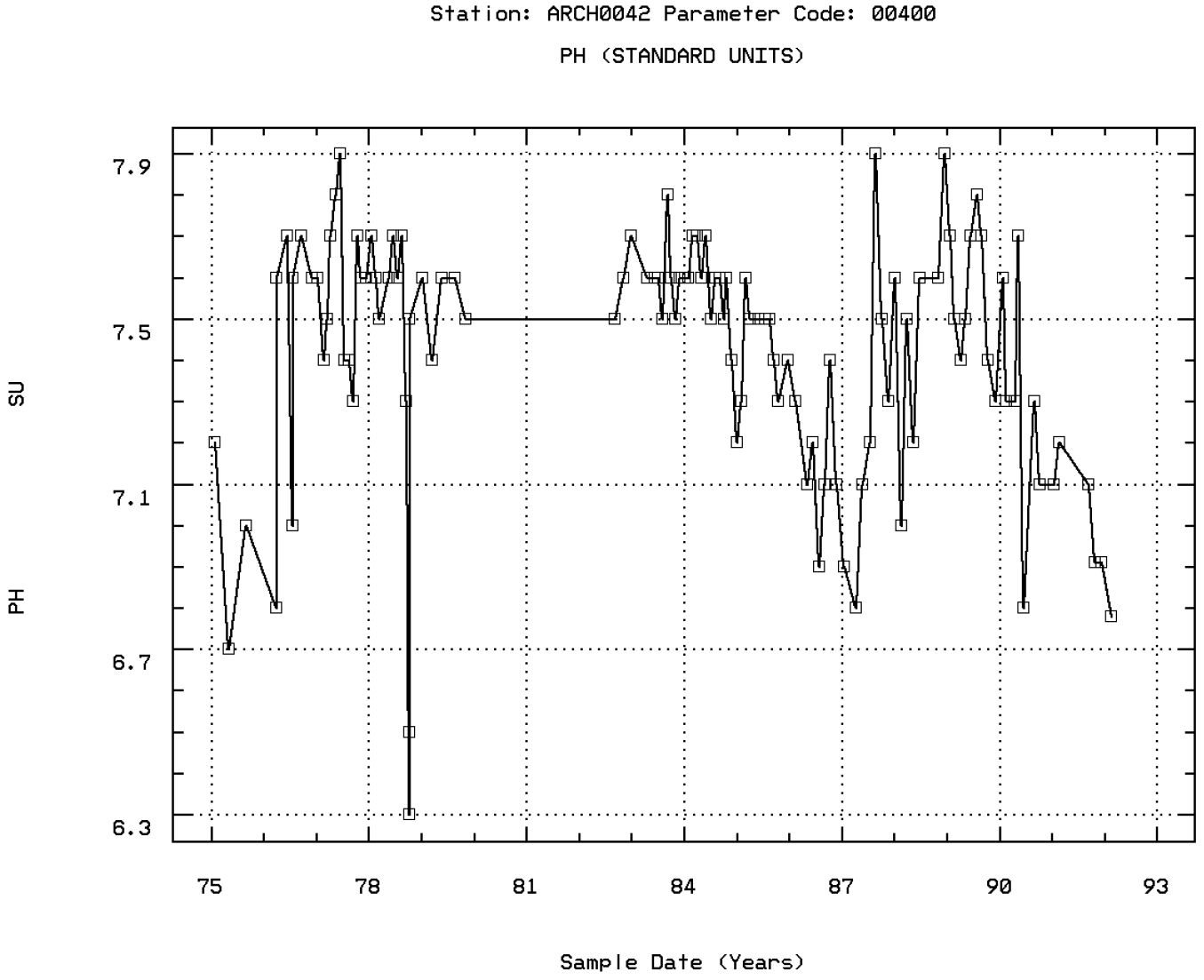
OXYGEN, DISSOLVED



MOAB WWTP


Station: ARCH0042 Parameter Code: 00310
BOD, 5 DAY, 20 DEG C
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60
40
20
0
76
80
84
88
92
96
100
Sample Date (Years)

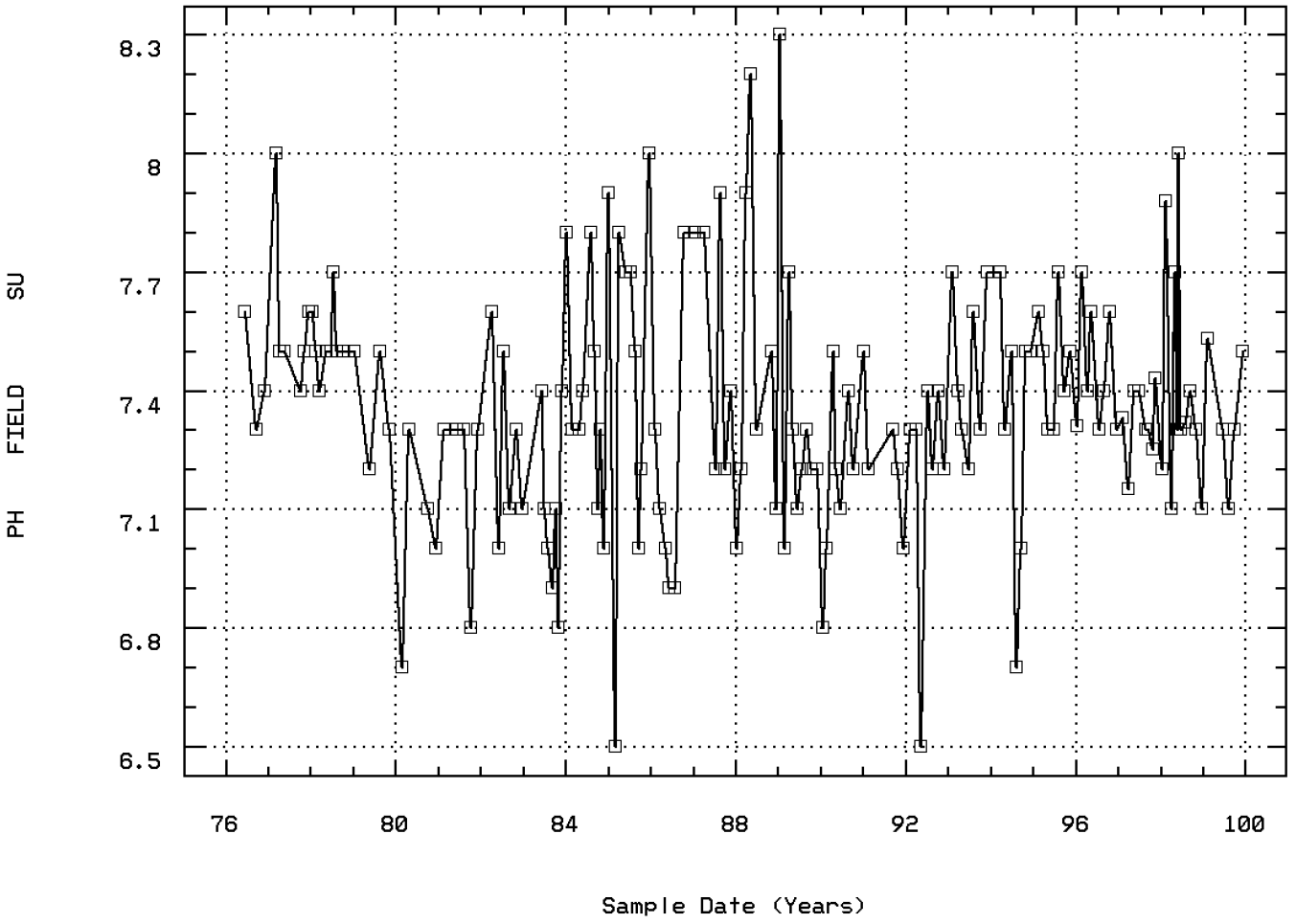
MOAB WWTP


Station: ARCH0042 Parameter Code: 00400
PH (STANDARD UNITS)
7.9
7.5
7.1
6.7
6.3
SU
PH
75
78
81
84
87
90
93
Sample Date (Years)

MOAB WWTP

Station: ARCH0042 Parameter Code: 00406

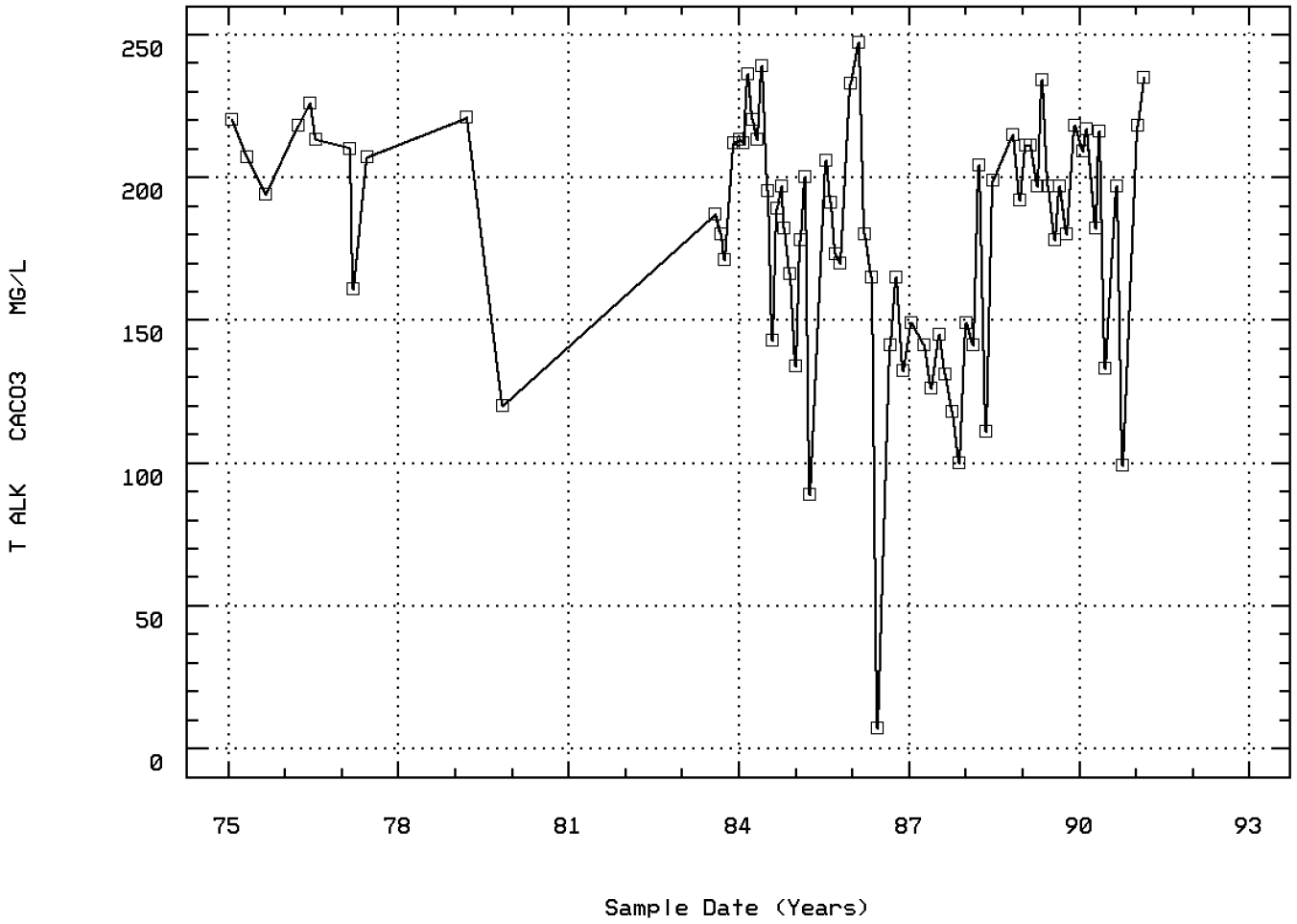
PH, FIELD, STANDARD UNITS



MOAB WWTP

Station: ARCH0042 Parameter Code: 00410

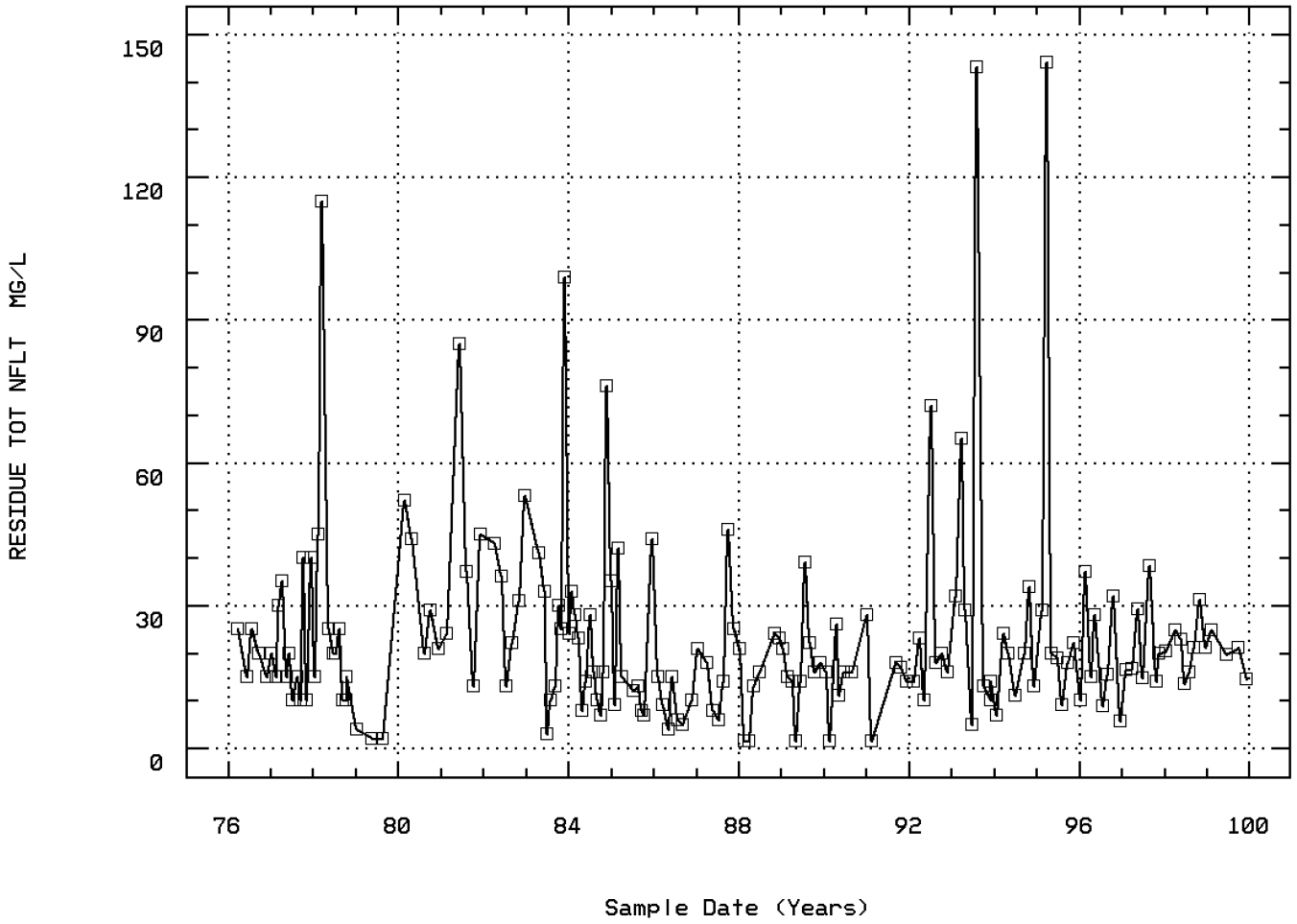
ALKALINITY, TOTAL (MG/L AS CACO3)



MOAB WWTP

Station: ARCH0042 Parameter Code: 00530

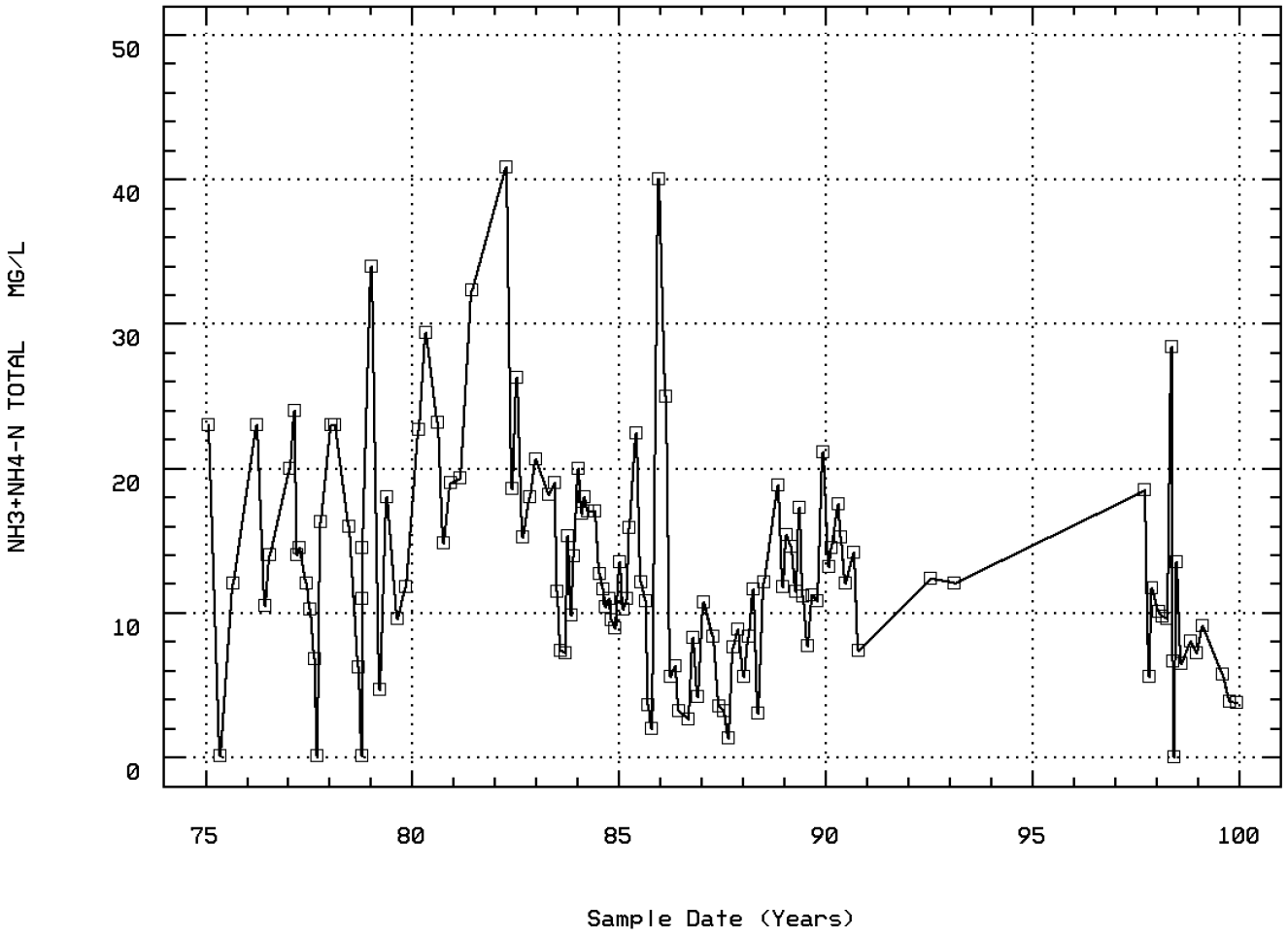
RESIDUE, TOTAL NONFILTRABLE (MG/L)



MOAB WWTP

Station: ARCH0042 Parameter Code: 00610

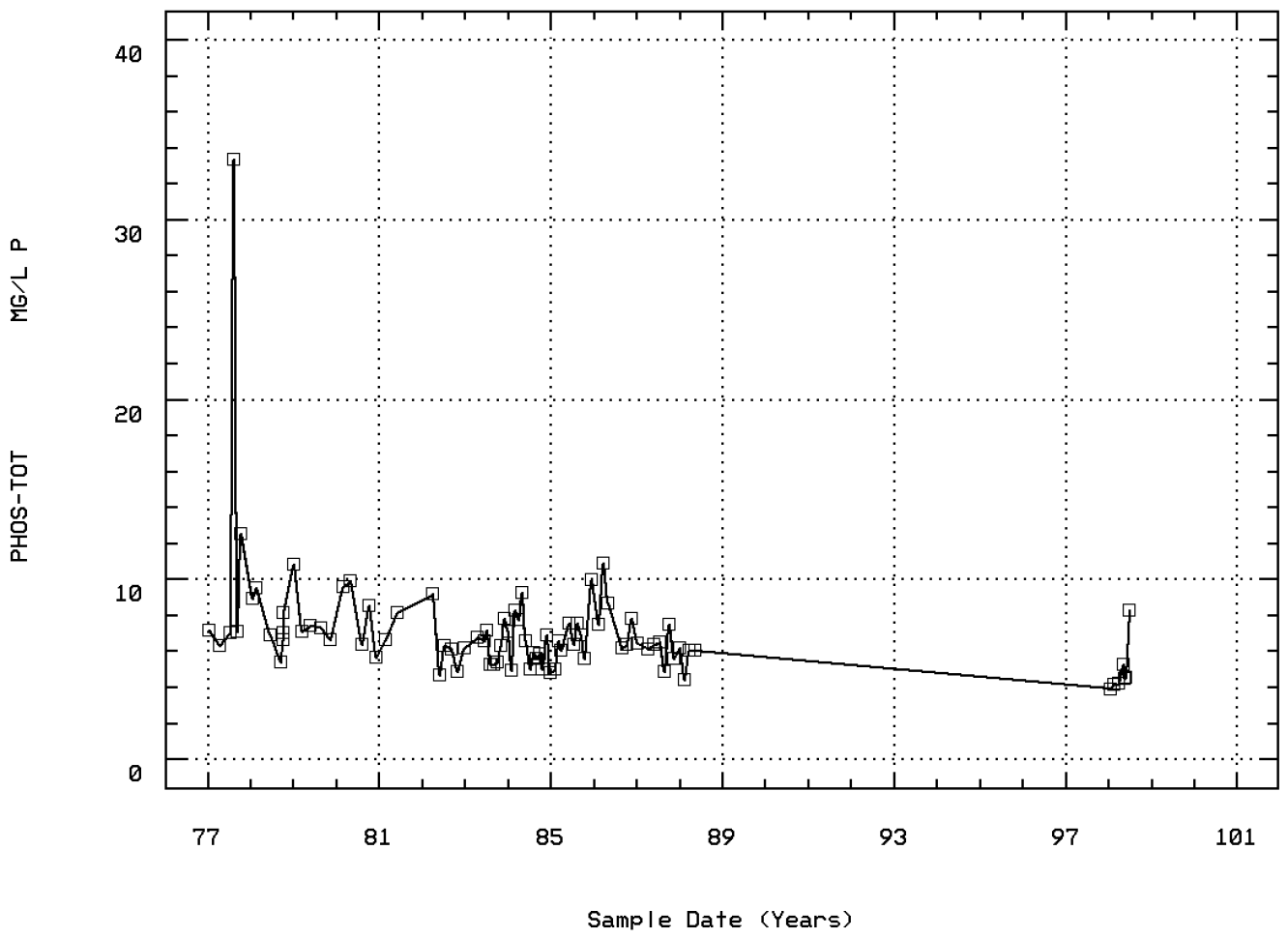
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



MOAB WWTP

Station: ARCH0042 Parameter Code: 00665

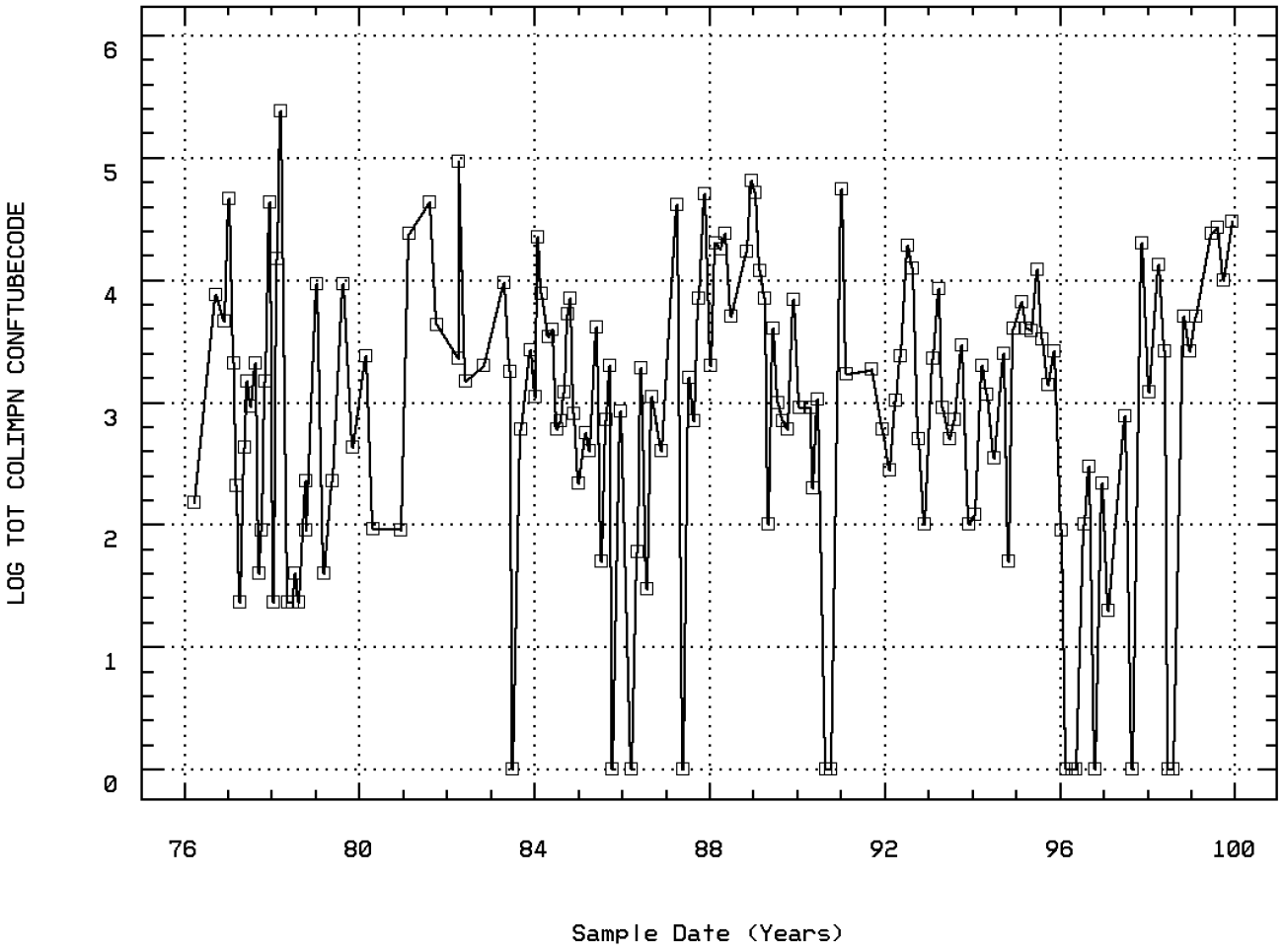
PHOSPHORUS, TOTAL (MG/L AS P)



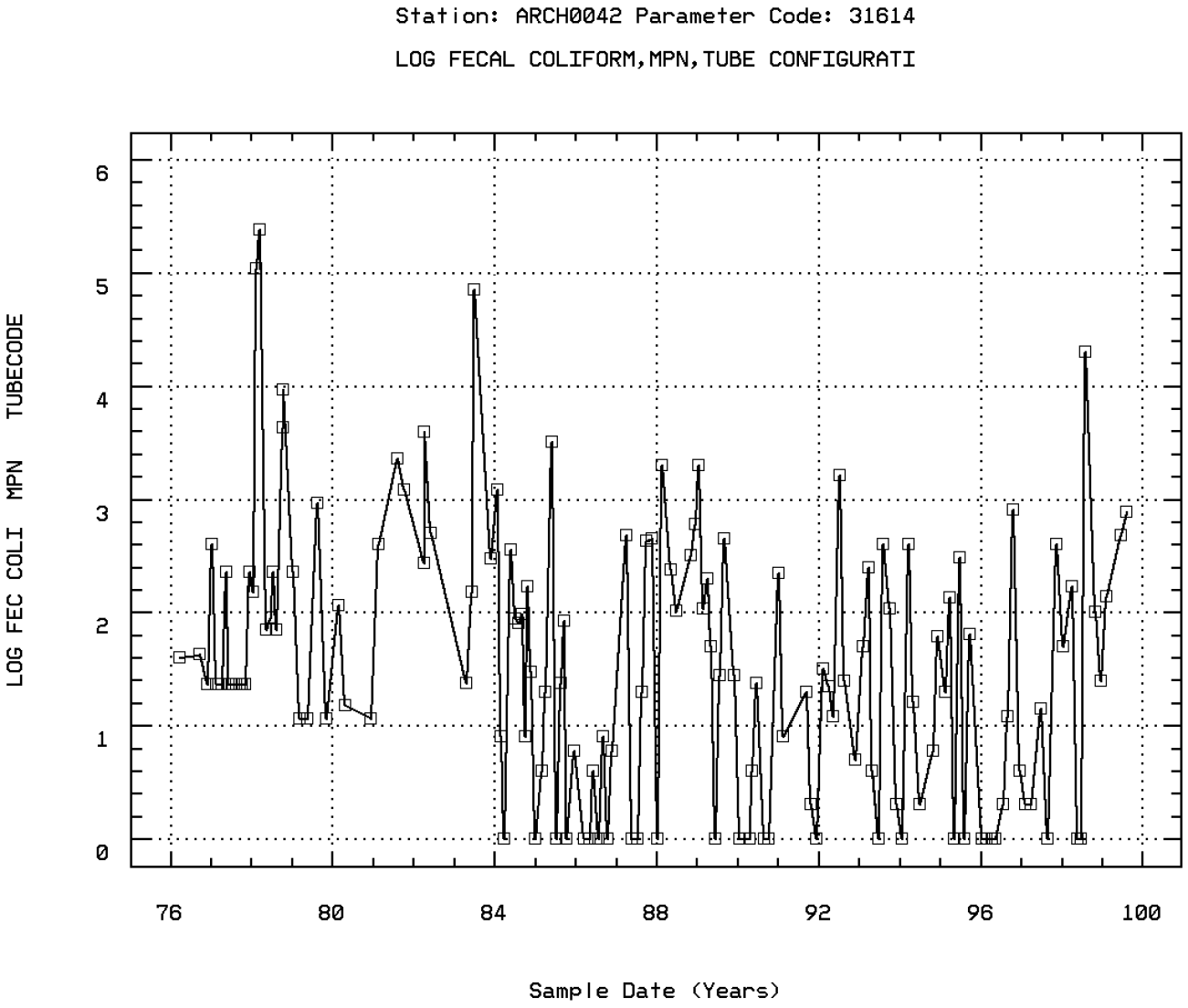
MOAB WWTP

Station: ARCH0042 Parameter Code: 31506

LOG COLIFORM,TOT,MPN, CONFIRMED TEST, T



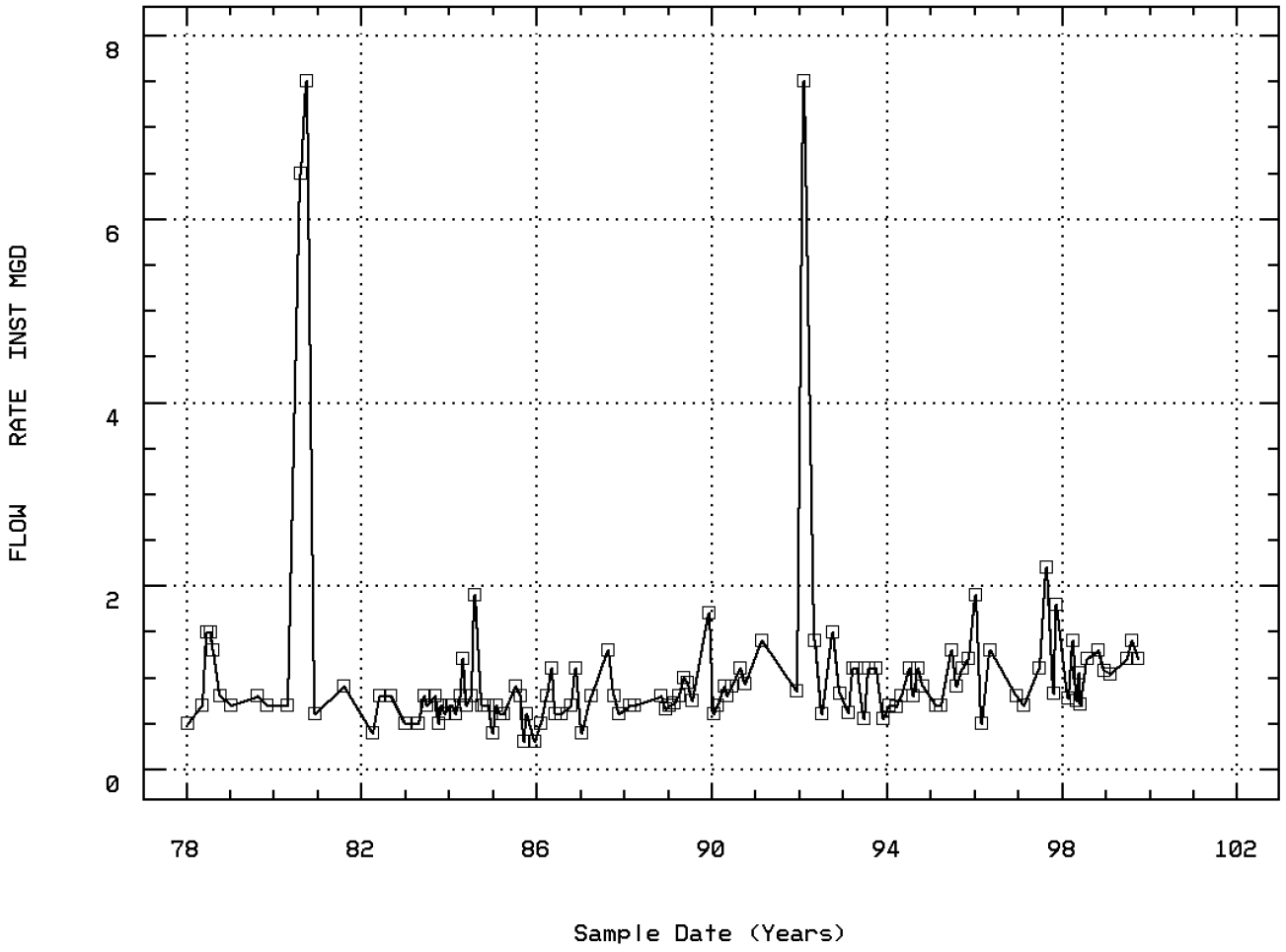
MOAB WWTP


Station: ARCH0042 Parameter Code: 31614
LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI
LOG FEC COLI MPN TUBECODE
0
1
2
3
4
5
6
76
80
84
88
92
96
100
Sample Date (Years)

MOAB WWTP

Station: ARCH0042 Parameter Code: 50051

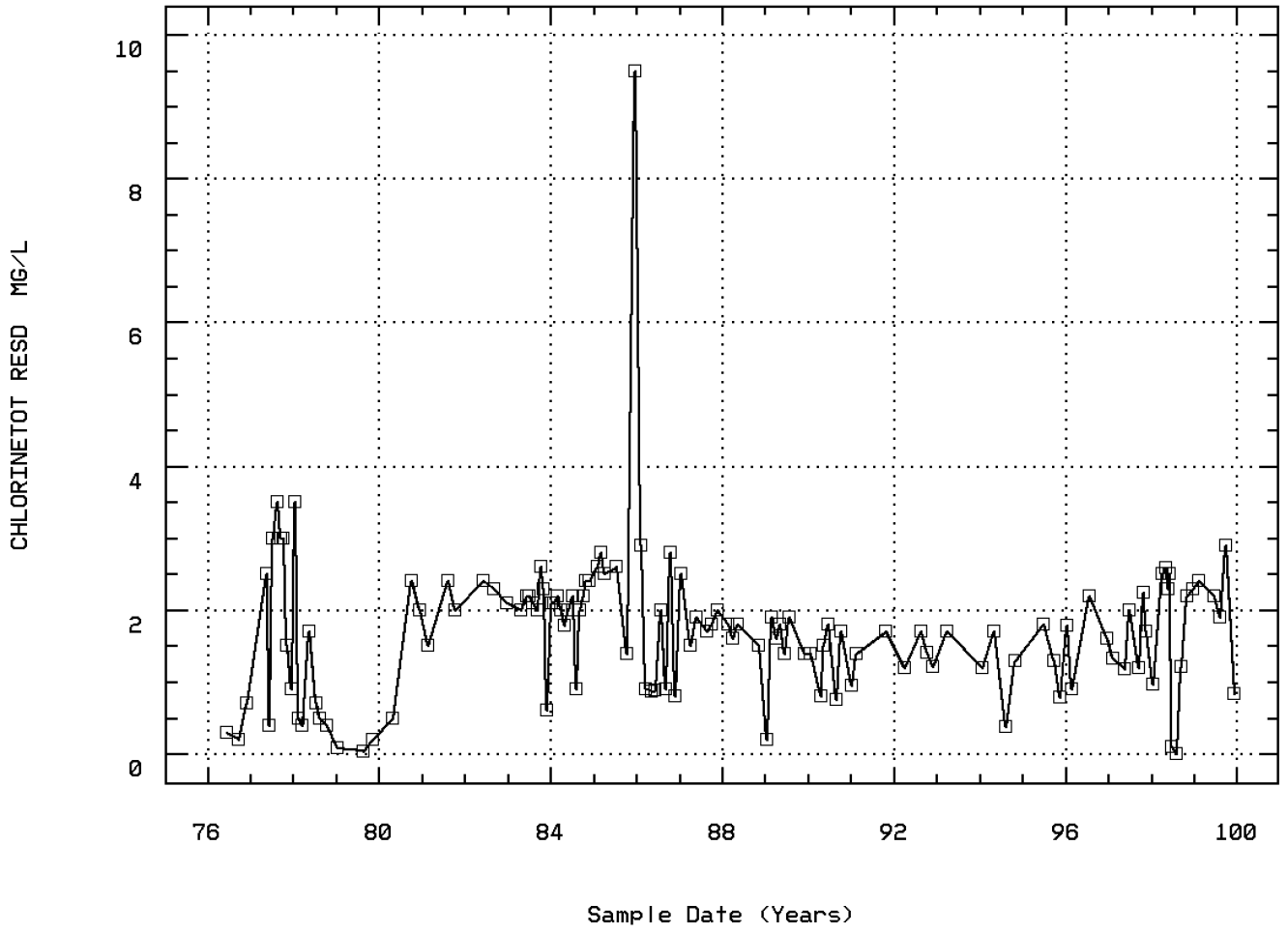
FLOW, RATE, INSTANTANEOUS



MOAB WWTP

Station: ARCH0042 Parameter Code: 50060

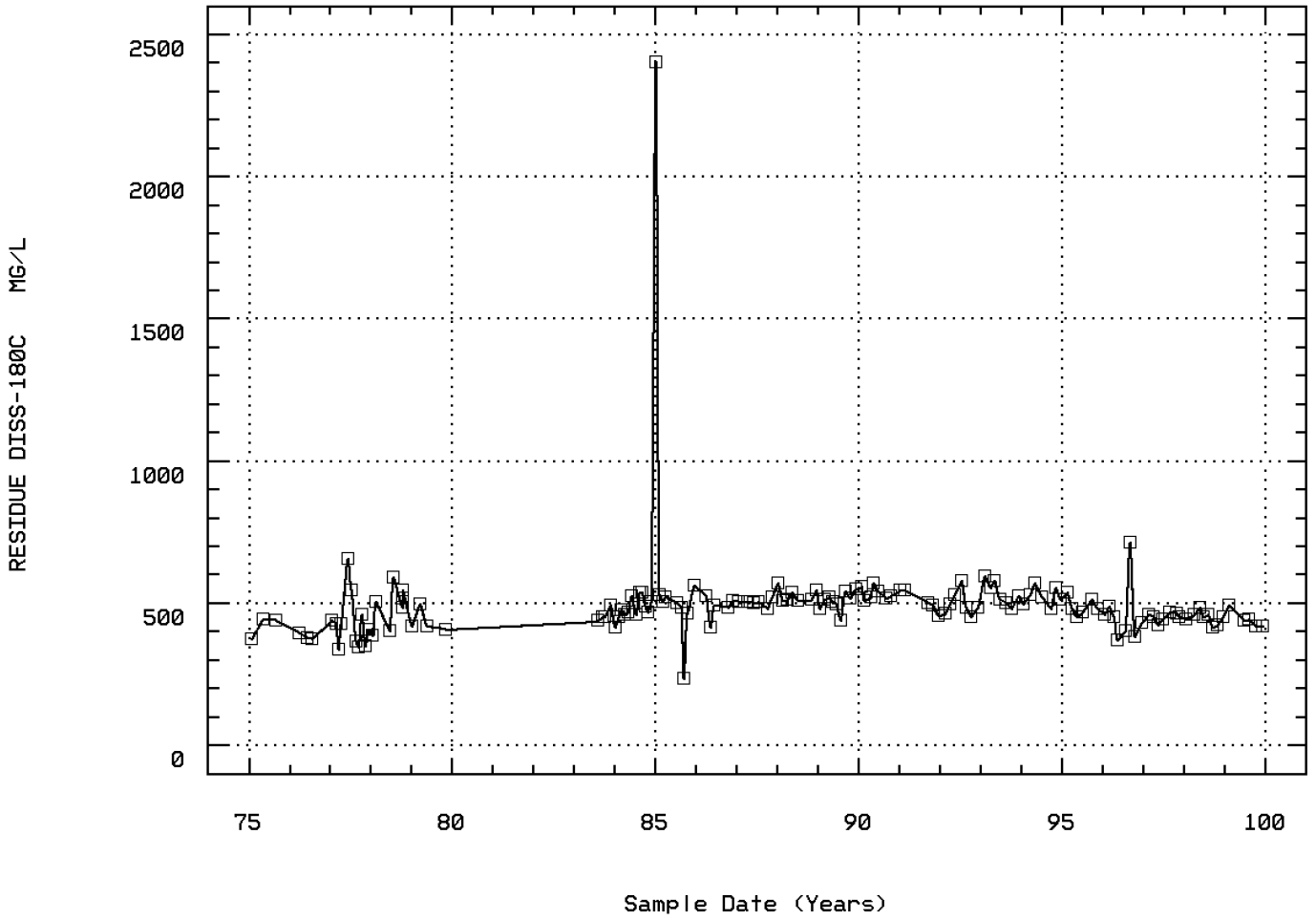
CHLORINE, TOTAL RESIDUAL (MG/L)



MOAB WWTP

Station: ARCH0042 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



MOAB WWTP

Annual Analysis for 1975 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	3	7.	6.967	7.2	6.7	0.063	0.252	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	3	7.	6.918	7.2	6.7	0.067	0.259	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	3	0.1	0.121	0.2	0.063	0.005	0.071	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	3	12.	11.7	23.	0.1	131.17	11.453	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	3	440.	418.667	444.	372.	1637.333	40.464	**	**	**	**

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

Annual Analysis for 1976 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	4	2.3	2.15	2.7	1.3	0.363	0.603	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	5	24.	25.2	30.	20.	17.7	4.207	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	7	7.6	7.429	7.7	6.8	0.136	0.368	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	7	7.6	7.273	7.7	6.8	0.164	0.405	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	7	0.025	0.053	0.158	0.02	0.003	0.055	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	3	7.4	7.433	7.6	7.3	0.023	0.153	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	3	7.4	7.416	7.6	7.3	0.024	0.154	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	3	0.04	0.038	0.05	0.025	0.	0.013	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	5	20.	20.	25.	15.	25.	5.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	3	14.	15.833	23.	10.5	41.583	6.449	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	3	4600.	4083.333	7500.	150.	13705833.333	3702.139	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	3	3.663	3.238	3.875	2.176	0.857	0.926	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1729.697								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	3	40.	35.333	43.	23.	116.333	10.786	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	3	1.602	1.532	1.633	1.362	0.022	0.149	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			34.074								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	3	0.3	0.4	0.7	0.2	0.07	0.265	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	3	376.	380.667	392.	374.	97.333	9.866	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	10	21.25	19.5	26.5	12.	28.833	5.37	12.1	13.75	24.25	26.35
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	10	30.	30.8	50.	6.	227.289	15.076	7.	18.25	45.25	49.9
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	13	7.6	7.6	7.9	7.3	0.038	0.196	7.34	7.4	7.75	7.9
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	13	7.6	7.561	7.9	7.3	0.04	0.2	7.34	7.4	7.75	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	13	0.025	0.027	0.05	0.013	0.	0.012	0.013	0.018	0.04	0.046
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	6	7.5	7.583	8.	7.4	0.046	0.214	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	6	7.5	7.548	8.	7.4	0.047	0.217	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	6	0.032	0.028	0.04	0.01	0.	0.01	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	12	17.5	21.667	40.	10.	133.333	11.547	10.	11.25	33.75	40.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	9	14.	13.1	24.	0.1	49.718	7.051	0.1	8.5	18.15	24.
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	12	1215.	8160.25	46000.	23.	289122542.568	17003.604	28.1	120.	2100.	45100.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	12	3.072	2.928	4.663	1.362	1.088	1.043	1.434	2.046	3.322	4.654
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			847.073								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	12	23.	88.917	400.	23.	15971.538	126.379	23.	23.	178.25	349.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	12	1.362	1.632	2.602	1.362	0.242	0.492	1.362	1.362	2.112	2.53
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			42.831								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	8	2.75	2.225	3.5	0.4	1.302	1.141	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	11	424.	431.	654.	334.	9302.2	96.448	335.6	348.	458.	632.4

** - 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 1978 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	9	21.	18.944	26.	11.5	30.903	5.559	11.5	13.	23.75	26.
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	9	26.	35.222	95.	20.	575.944	23.999	20.	23.	39.5	95.
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	11	7.6	7.364	7.7	6.3	0.243	0.492	6.34	7.3	7.7	7.7
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	11	7.6	7.014	7.7	6.3	0.377	0.614	6.34	7.3	7.7	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	11	0.025	0.097	0.501	0.02	0.026	0.16	0.02	0.02	0.05	0.464
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	9	7.5	7.522	7.7	7.4	0.007	0.083	7.4	7.5	7.55	7.7
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	9	7.5	7.516	7.7	7.4	0.007	0.084	7.4	7.5	7.55	7.7
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	9	0.032	0.031	0.04	0.02	0.	0.005	0.02	0.028	0.032	0.04
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	11	20.	28.182	115.	10.	931.364	30.518	10.	10.	25.	101.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	7	14.5	13.4	23.	0.1	71.13	8.434	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	9	40.	28383.556	240000.	23.	6321803585.278	79509.77	23.	23.	7615.	240000.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	9	1.602	2.325	5.38	1.362	2.142	1.463	1.362	1.362	3.269	5.38
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			211.146								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	9	230.	40467.778	240000.	70.	6883287994.444	82965.583	70.	80.	59650.	240000.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	9	2.362	3.134	5.38	1.845	1.982	1.408	1.845	1.9	4.505	5.38
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1361.38								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	9	0.5	1.011	3.5	0.4	1.051	1.025	0.4	0.4	1.35	3.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	7	502.	488.571	590.	386.	5374.286	73.31	**	**	**	**

** - 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

Annual Analysis for 1979 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	3	23.	19.667	26.	10.	72.333	8.505	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	1	770.	770.	770.	770.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	5	34.	38.	73.	17.	473.5	21.76	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	5	7.6	7.54	7.6	7.4	0.008	0.089	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	5	7.6	7.532	7.6	7.4	0.008	0.09	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	5	0.025	0.029	0.04	0.025	0.	0.006	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	4	7.4	7.375	7.5	7.2	0.022	0.15	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	4	7.389	7.355	7.5	7.2	0.023	0.152	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	4	0.041	0.044	0.063	0.032	0.	0.015	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	5	2.	2.	4.	1.	1.5	1.225	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	5	11.8	15.62	34.	4.7	128.392	11.331	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	430.	3860.	9300.	40.	24680350.	4967.932	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	2.633	2.907	3.968	1.602	1.082	1.04	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			806.946								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	5 ##	11.5	238.9	930.	11.5	158207.675	397.753	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	5 ##	1.061	1.702	2.968	1.061	0.818	0.905	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			50.404								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	3	0.08	0.103	0.2	0.03	0.008	0.087	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	4	416.	433.25	494.	407.	1658.25	40.722	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	5	18.	18.9	26.5	13.	35.925	5.994	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	4	795.	817.5	930.	750.	6091.667	78.049	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	4	4.8	4.525	5.5	3.	1.169	1.081	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	5	30.	34.2	70.	14.	449.2	21.194	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	4	7.05	7.025	7.3	6.7	0.062	0.25	**	**	**	**

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

Annual Analysis for 1980 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	4	7.047	6.97	7.3	6.7	0.067	0.258	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	4	0.09	0.107	0.2	0.05	0.004	0.065	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	5	29.	33.2	52.	20.	202.7	14.237	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	5	22.7	21.82	29.4	14.8	29.342	5.417	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	3	93.	861.	2400.	90.	1776393.	1332.814	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	3	1.968	2.434	3.38	1.954	0.671	0.819	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			271.839								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	3 ##	15.	47.167	115.	11.5	3454.083	58.771	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	3 ##	1.176	1.432	2.061	1.061	0.299	0.547	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			27.07								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	3	2.	1.633	2.4	0.5	1.003	1.002	**	**	**	**

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Annual Analysis for 1981 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	5	20.2	19.7	26.5	12.3	41.275	6.425	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	5	807.	915.6	1250.	720.	47843.3	218.731	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	5	4.4	4.62	6.5	3.5	1.307	1.143	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	5	22.	31.4	54.	13.	350.3	18.716	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	5	7.3	7.2	7.3	6.8	0.05	0.224	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	5	7.3	7.144	7.3	6.8	0.054	0.232	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	5	0.05	0.072	0.158	0.05	0.002	0.048	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	5	37.	40.8	85.	13.	760.2	27.572	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	2	25.8	25.8	32.3	19.3	84.5	9.192	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	3	24000.	23766.667	43000.	4300.	374463333.333	19351.055	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	3	4.38	4.216	4.633	3.633	0.27	0.52	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			16432.97								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	3	1200.	1300.	2300.	400.	910000.	953.939	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	3	3.079	3.014	3.362	2.602	0.147	0.384	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1033.53								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	3	2.	1.967	2.4	1.5	0.203	0.451	**	**	**	**

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Annual Analysis for 1982 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	6	18.7	19.25	26.6	10.5	43.459	6.592	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	6	744.	652.667	813.	330.	41012.667	202.516	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	4	5.8	5.45	6.8	3.4	2.117	1.455	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	5	33.	31.2	44.	8.	191.7	13.846	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	3	7.6	7.6	7.7	7.5	0.01	0.1	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	3	7.6	7.592	7.7	7.5	0.01	0.1	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	3	0.025	0.026	0.032	0.02	0.	0.006	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	6	7.2	7.267	7.6	7.	0.059	0.242	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	6	7.189	7.215	7.6	7.	0.062	0.249	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	6	0.065	0.061	0.1	0.025	0.001	0.03	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	6	33.5	33.	53.	13.	206.8	14.381	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	6	19.6	23.25	40.8	15.2	87.663	9.363	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	4	2135.	24692.5	93000.	1500.	2073841558.333	45539.451	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	4	3.329	3.7	4.968	3.176	0.72	0.849	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			5016.577								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	3	500.	1558.	3900.	274.	4126492.	2031.377	**	**	**	**

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Annual Analysis for 1982 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	3	2.699	2.909	3.591	2.438	0.366	0.605	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			811.45								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	3	766.	578.667	770.	200.	107545.333	327.941	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	3	2.884	2.691	2.886	2.301	0.114	0.337	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			490.437								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	3	2.3	2.267	2.4	2.1	0.023	0.153	**	**	**	**

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Annual Analysis for 1983 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	7	21.6	21.171	25.3	14.	15.592	3.949	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	7	770.	865.571	1500.	715.	79862.952	282.6	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	4.6	4.471	5.4	2.2	1.139	1.067	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	8	16.	18.	29.	8.	50.571	7.111	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	8	7.6	7.6	7.8	7.5	0.009	0.093	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	8	7.6	7.592	7.8	7.5	0.009	0.093	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	8	0.025	0.026	0.032	0.016	0.	0.005	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	7	7.1	7.1	7.4	6.8	0.053	0.231	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	7	7.1	7.051	7.4	6.8	0.056	0.237	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	7	0.079	0.089	0.158	0.04	0.002	0.043	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	8	27.5	31.75	99.	3.	901.357	30.023	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	8	12.7	12.788	19.	7.2	20.896	4.571	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	1800.	2920.	9500.	0.	14627000.	3824.526	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	3.255	2.689	3.978	0.	2.443	1.563	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			488.093								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	4	223.	17967.5	71400.	24.	1268915489.	35621.84	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	4	2.324	2.72	4.854	1.38	2.235	1.495	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			525.198								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	3	300.	986.667	2400.	260.	1498533.333	1224.146	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	3	2.477	2.757	3.38	2.415	0.292	0.54	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			572.052								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	8	2.15	2.	2.6	0.6	0.357	0.598	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	4	451.	457.5	492.	436.	579.667	24.076	**	**	**	**

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Annual Analysis for 1984 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	11	16.5	17.436	24.5	9.9	32.743	5.722	10.06	11.7	23.4	24.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	11	745.	736.636	846.	564.	5299.255	72.796	587.2	712.	786.	837.
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	9	5.4	5.767	8.6	4.1	2.775	1.666	4.1	4.2	7.3	8.6
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	12	20.	22.25	53.	9.	195.114	13.968	9.3	11.	29.5	49.7
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	12	7.6	7.592	7.7	7.4	0.008	0.09	7.43	7.525	7.675	7.7
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	12	7.6	7.583	7.7	7.4	0.008	0.091	7.43	7.525	7.675	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	12	0.025	0.026	0.04	0.02	0.	0.006	0.02	0.021	0.03	0.037
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	9	7.3	7.389	7.8	7.	0.076	0.276	7.	7.2	7.65	7.8
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	9	7.3	7.318	7.8	7.	0.082	0.286	7.	7.2	7.65	7.8
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	9	0.05	0.048	0.1	0.016	0.001	0.028	0.016	0.024	0.065	0.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	12	19.5	23.583	76.	7.	344.083	18.549	7.3	11.	28.	63.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	11	12.7	13.909	20.	8.9	15.399	3.924	9.02	10.4	17.	19.6
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	11	3400.	4936.364	22500.	600.	40690545.455	6378.914	620.	800.	7100.	19540.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	11	3.531	3.417	4.352	2.778	0.268	0.517	2.792	2.903	3.851	4.259

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Annual Analysis for 1984 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2610.338								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	10	84.	203.8	1200.	0.	134096.4	366.192	0.8	8.	216.	1116.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	10	1.924	1.697	3.079	0.	0.811	0.901	0.09	0.903	2.308	3.027
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			49.819								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	12	1348.	1688.667	5200.	0.	3062853.333	1750.101	0.	68.	2925.	4870.
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	12	3.104	2.505	3.716	0.	1.795	1.34	0.	1.61	3.464	3.685
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			319.815								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	12	2.1	2.023	2.4	0.9	0.156	0.394	1.164	2.	2.2	2.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	12	472.	482.	536.	414.	1352.	36.77	425.4	460.	517.5	536.

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Annual Analysis for 1985 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	10	16.2	17.22	26.6	7.	45.528	6.747	7.41	11.625	23.4	26.58
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	10	832.	856.8	1313.	469.	46048.178	214.588	496.2	763.5	923.5	1284.4
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	10	5.	5.16	7.2	2.8	1.867	1.366	2.91	3.975	6.4	7.12
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	10	13.5	16.4	33.	9.	72.489	8.514	9.1	10.75	19.75	32.8
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	10	7.45	7.42	7.6	7.2	0.015	0.123	7.21	7.3	7.5	7.59
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	10	7.447	7.404	7.6	7.2	0.015	0.124	7.21	7.3	7.5	7.59
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	10	0.036	0.039	0.063	0.025	0.	0.012	0.026	0.032	0.05	0.062
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	9	7.7	7.478	8.	6.5	0.239	0.489	6.5	7.1	7.85	8.
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	9	7.7	7.184	8.	6.5	0.337	0.58	6.5	7.1	7.85	8.
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	9	0.02	0.065	0.316	0.01	0.01	0.099	0.01	0.014	0.082	0.316
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	9	13.	20.556	44.	7.	231.778	15.224	7.	8.5	38.5	44.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	10	11.55	14.15	40.	2.	115.516	10.748	2.16	8.55	17.525	38.24
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	9	560.	987.778	4100.	0.	1722144.444	1312.305	0.	135.	1420.	4100.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	9	2.748	2.454	3.613	0.	1.145	1.07	0.	2.021	3.113	3.613
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			284.524								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	9	6.	370.889	3200.	0.	1126257.111	1061.253	0.	0.	54.	3200.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	9	0.778	1.055	3.505	0.	1.318	1.148	0.	0.	1.652	3.505
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			11.338								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	9	300.	500.222	1800.	0.	377620.444	614.508	0.	30.	875.	1800.
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	9	2.477	2.126	3.255	0.	1.066	1.032	0.	1.452	2.919	3.255
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			133.765								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	7	2.6	3.2	9.5	1.	8.19	2.862	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	9	505.	687.889	2402.	232.	422272.611	649.825	232.	473.	545.	2402.

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Annual Analysis for 1986 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	9	15.5	17.367	24.	10.4	22.963	4.792	10.4	13.8	22.65	24.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	8	718.5	750.375	893.	636.	8155.696	90.309	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	5.7	6.271	9.4	4.9	2.826	1.681	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	9	13.	11.889	19.	6.	20.361	4.512	6.	8.	15.5	19.
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	8	7.1	7.15	7.4	6.9	0.023	0.151	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	8	7.1	7.127	7.4	6.9	0.023	0.153	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	8	0.079	0.075	0.126	0.04	0.001	0.026	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	7	7.	7.143	7.8	6.9	0.103	0.321	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	7	7.	7.069	7.8	6.9	0.109	0.33	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	7	0.1	0.085	0.126	0.016	0.002	0.04	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	8	7.5	8.5	15.	4.	20.857	4.567	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	8	5.95	7.688	25.	2.6	52.356	7.236	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	8	60.	447.5	1920.	0.	494650.	703.314	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	8	1.778	1.87	3.283	0.	1.19	1.091	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			74.135								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	8	0.	2.25	8.	0.	10.786	3.284	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	8	0.	0.285	0.903	0.	0.162	0.402	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.929								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	9	0.	988.	8800.	0.	8582276.	2929.552	0.	0.	36.	8800.
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	9	0.	0.918	3.944	0.	1.788	1.337	0.	0.	1.509	3.944
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			8.281								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	9	0.9	1.437	2.9	0.8	0.78	0.883	0.8	0.87	2.4	2.9
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	6	488.	472.667	524.	414.	2253.867	47.475	**	**	**	**

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Annual Analysis for 1987 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	7	18.8	18.043	26.3	9.8	37.413	6.117	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	7	754.	754.857	829.	703.	2220.476	47.122	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	5.	4.714	6.4	0.	5.051	2.248	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	7	12.99	13.434	28.	0.5	85.705	9.258	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	7	7.2	7.243	7.9	6.8	0.14	0.374	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	7	7.2	7.128	7.9	6.8	0.155	0.394	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	7	0.063	0.074	0.158	0.013	0.003	0.052	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	6	7.6	7.55	7.9	7.2	0.103	0.321	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	6	7.555	7.455	7.9	7.2	0.114	0.337	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	6	0.028	0.035	0.063	0.013	0.001	0.024	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	7	18.	19.714	46.	6.	180.238	13.425	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	7	7.59	6.223	10.7	1.33	12.324	3.511	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	6	4300.	16716.667	50000.	0.	511273666.667	22611.361	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	6	3.525	3.201	4.699	0.	3.005	1.733	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1588.589								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	6	225.	230.	480.	0.	60160.	245.275	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	6	1.967	1.545	2.681	0.	1.708	1.307	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			35.061								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	6	345.	886.667	3300.	0.	1680866.667	1296.482	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	6	1.916	1.746	3.519	0.	2.575	1.605	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			55.695								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	6	1.85	1.9	2.5	1.5	0.116	0.341	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	6	502.	501.	518.	480.	148.4	12.182	**	**	**	**

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Annual Analysis for 1988 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	7	12.2	13.943	24.	5.5	38.736	6.224	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	7	806.	757.143	854.	449.	19677.81	140.278	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	5.2	6.471	11.8	4.2	6.689	2.586	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	7	15.	14.857	20.	9.	19.81	4.451	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	7	7.6	7.486	7.9	7.	0.088	0.297	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	7	7.6	7.394	7.9	7.	0.098	0.313	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	7	0.025	0.04	0.1	0.013	0.001	0.031	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	7	7.3	7.457	8.2	7.	0.196	0.443	**	**	**	**

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Annual Analysis for 1988 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	7	7.3	7.31	8.2	7.	0.222	0.471	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	7	0.05	0.049	0.1	0.006	0.001	0.035	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	7	16.	14.286	24.	1.5	91.155	9.548	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	7	11.6	10.179	18.8	3.02	26.383	5.136	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	18000.	21571.429	65000.	2000.	430952380.952	20759.393	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	4.255	4.14	4.813	3.301	0.243	0.493	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			13803.28								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	240.	467.714	2000.	0.	499936.571	707.062	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	2.38	1.997	3.301	0.	1.283	1.133	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			99.396								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	7	820.	978.571	3000.	0.	1030347.619	1015.06	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	7	2.914	2.485	3.477	0.	1.363	1.168	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			305.431								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	4	1.7	1.675	1.8	1.5	0.023	0.15	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	7	512.	526.571	568.	506.	570.286	23.881	**	**	**	**

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Annual Analysis for 1989 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	9	19.	17.344	25.1	9.2	34.718	5.892	9.2	11.25	22.8	25.1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	9	850.	765.	895.	430.	32856.25	181.263	430.	645.5	871.5	895.
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	9	5.8	5.922	9.5	3.6	3.042	1.744	3.6	4.6	6.85	9.5
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	9	16.	18.333	34.	4.	77.25	8.789	4.	12.5	24.5	34.
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	9	7.5	7.556	7.8	7.3	0.03	0.174	7.3	7.4	7.7	7.8
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	9	7.5	7.525	7.8	7.3	0.031	0.177	7.3	7.4	7.7	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	9	0.032	0.03	0.05	0.016	0.	0.012	0.016	0.02	0.04	0.05
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	9	7.2	7.367	8.3	7.	0.16	0.4	7.	7.15	7.5	8.3
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	9	7.2	7.261	8.3	7.	0.173	0.416	7.	7.15	7.5	8.3
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	9	0.063	0.055	0.1	0.005	0.001	0.029	0.005	0.035	0.071	0.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	9	16.	17.833	39.	1.5	97.875	9.893	1.5	14.	21.5	39.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	9	11.5	13.414	21.1	7.73	16.573	4.071	7.73	10.95	16.35	21.1
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	9	4000.	9361.111	52000.	100.	271638611.111	16481.463	100.	650.	9500.	52000.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	9	3.602	3.411	4.716	2.	0.679	0.824	2.	2.812	3.962	4.716
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2577.826								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	9	50.	319.333	2000.	0.	417571.	646.197	0.	19.	325.	2000.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	9	1.699	1.765	3.301	0.	0.927	0.963	0.	1.224	2.477	3.301
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			58.165								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	9	140.	552.222	2900.	0.	874794.444	935.304	0.	35.	790.	2900.
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	9	2.146	2.076	3.462	0.	1.031	1.015	0.	1.54	2.895	3.462
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			119.045								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	7	1.6	1.457	1.9	0.2	0.353	0.594	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	9	510.	505.333	548.	438.	1087.	32.97	438.	488.	530.	548.

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Annual Analysis for 1990 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	7	17.8	17.357	24.7	9.5	29.913	5.469	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	7	836.	817.714	853.	750.	1734.905	41.652	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	5.4	6.157	9.3	3.6	3.456	1.859	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	7	16.	18.429	29.	12.	42.286	6.503	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	7	7.3	7.3	7.7	6.8	0.09	0.3	**	**	**	**

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Annual Analysis for 1990 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	7	7.3	7.208	7.7	6.8	0.1	0.316	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	7	0.05	0.062	0.158	0.02	0.002	0.047	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	7	7.2	7.171	7.5	6.8	0.056	0.236	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	7	7.2	7.116	7.5	6.8	0.059	0.243	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	7	0.063	0.077	0.158	0.032	0.002	0.043	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	6	16.	14.417	26.	1.5	64.042	8.003	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	7	14.2	13.419	17.5	7.33	10.124	3.182	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	6	550.	508.333	1050.	0.	242416.667	492.358	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	6	2.628	1.872	3.021	0.	2.171	1.473	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			74.436								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	6	0.5	4.833	24.	0.	90.567	9.517	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	6	0.	0.33	1.38	0.	0.323	0.568	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			2.14								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	6	24.	209.333	888.	0.	124620.267	353.016	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	6	1.355	1.525	2.948	0.	1.133	1.064	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			33.484								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	6	1.45	1.325	1.8	0.75	0.202	0.449	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	7	524.	532.857	570.	506.	547.81	23.405	**	**	**	**

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Annual Analysis for 1991 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	5	11.9	14.52	23.	8.7	40.662	6.377	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	4	826.	827.	867.	789.	1026.	32.031	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	5	6.2	6.36	7.3	5.1	0.733	0.856	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	5	17.	18.8	37.	4.	143.2	11.967	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	5	7.1	7.044	7.2	6.91	0.017	0.129	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	5	7.1	7.029	7.2	6.91	0.017	0.13	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	5	0.079	0.094	0.123	0.063	0.001	0.028	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	5	7.2	7.24	7.5	7.	0.033	0.182	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	5	7.2	7.211	7.5	7.	0.034	0.185	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	5	0.063	0.062	0.1	0.032	0.001	0.025	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	5	17.	15.7	28.	1.5	90.7	9.524	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	1700.	11852.	55100.	10.	585083270.	24188.495	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	3.23	3.003	4.741	1.	1.801	1.342	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1007.824								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	5	8.	51.	224.	1.	9410.	97.005	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	5	0.903	0.971	2.35	0.	0.852	0.923	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			9.356								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	4	340.	2971.	11200.	4.	30131534.667	5489.22	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	4	2.5	2.413	4.049	0.602	2.009	1.417	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			258.859								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	3	1.4	1.35	1.7	0.95	0.143	0.377	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	5	500.	506.8	544.	456.	1419.2	37.672	**	**	**	**

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Annual Analysis for 1992 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	7	18.6	18.229	27.4	11.4	32.862	5.733	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	7	870.	865.286	981.	762.	5042.905	71.013	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	5.4	5.714	7.3	4.5	0.818	0.904	**	**	**	**

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Annual Analysis for 1992 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	6	7.	11.	23.	4.	68.4	8.27	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	1	6.78	6.78	6.78	6.78	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	1	6.78	6.78	6.78	6.78	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	1	0.166	0.166	0.166	0.166	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	7	7.3	7.186	7.4	6.5	0.098	0.313	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	7	7.3	7.051	7.4	6.5	0.119	0.345	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	7	0.05	0.089	0.316	0.04	0.01	0.101	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	7	18.	24.714	72.	10.	452.238	21.266	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	1	12.375	12.375	12.375	12.375	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	1040.	5160.	19300.	100.	58256800.	7632.614	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	3.017	3.132	4.286	2.	0.712	0.844	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1356.01								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	22.	247.143	1624.	5.	368703.476	607.21	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	1.342	1.462	3.211	0.699	0.67	0.819	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			28.976								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	6	1.205	1.253	1.7	1.	0.071	0.267	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	7	482.	497.143	578.	450.	1922.476	43.846	**	**	**	**

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Annual Analysis for 1993 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	7	17.9	18.086	27.	12.1	27.278	5.223	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	7	885.	911.571	1003.	804.	7504.619	86.629	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	5.2	4.771	6.2	0.9	3.099	1.76	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	10	11.	15.6	48.	5.	155.822	12.483	5.2	7.75	19.25	45.2
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	7	7.4	7.457	7.7	7.2	0.043	0.207	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	7	7.4	7.417	7.7	7.2	0.045	0.212	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	7	0.04	0.038	0.063	0.02	0.	0.017	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	8	21.5	38.875	143.	5.	2134.125	46.197	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	1	12.03	12.03	12.03	12.03	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	900.	2264.143	8400.	100.	8348906.81	2889.447	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	2.954	3.038	3.924	2.	0.384	0.62	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1091.918								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	50.	116.143	400.	1.	23544.143	153.441	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	1.699	1.376	2.602	0.	1.121	1.059	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			23.768								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	7	524.	533.429	592.	480.	1699.619	41.226	**	**	**	**

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Annual Analysis for 1994 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	7	20.1	18.357	26.1	11.4	26.606	5.158	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	7	865.	876.	967.	764.	6882.	82.958	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	5.6	5.729	6.8	5.2	0.269	0.519	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	7	12.	13.857	28.	7.	56.81	7.537	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	7	7.5	7.314	7.7	6.7	0.121	0.348	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	7	7.5	7.178	7.7	6.7	0.143	0.378	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	7	0.032	0.066	0.2	0.02	0.004	0.064	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	7	20.	18.429	34.	7.	82.286	9.071	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	1160.	1451.429	4000.	50.	2148147.619	1465.656	**	**	**	**

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Annual Analysis for 1994 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	3.064	2.812	3.602	1.699	0.519	0.72	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			648.681								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	10.	71.	400.	1.	21492.333	146.603	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	1.	1.097	2.602	0.	0.785	0.886	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			12.497								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	4	1.25	1.143	1.7	0.37	0.312	0.558	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	7	518.	522.286	570.	480.	993.905	31.526	**	**	**	**

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Annual Analysis for 1995 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	7	18.1	18.629	25.7	11.2	22.346	4.727	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	7	817.	816.571	913.	701.	5483.619	74.051	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	7	5.1	5.314	8.6	4.1	2.385	1.544	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	7	10.	19.571	80.	7.	712.952	26.701	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	7	7.5	7.471	7.7	7.3	0.022	0.15	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	7	7.5	7.45	7.7	7.3	0.023	0.151	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	7	0.032	0.035	0.05	0.02	0.	0.012	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	7	20.	37.286	144.	9.	2249.238	47.426	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	3800.	4857.143	12300.	1400.	13292857.143	3645.937	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	3.58	3.596	4.09	3.146	0.089	0.299	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			3943.156								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	20.	76.571	304.	1.	12411.286	111.406	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	1.301	1.246	2.483	0.	0.967	0.983	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			17.629								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	5	1.	1.178	1.8	0.79	0.154	0.392	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	6	480.	488.333	538.	452.	979.867	31.303	**	**	**	**

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Annual Analysis for 1996 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	8	18.15	17.421	25.3	9.47	43.29	6.58	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	8	726.5	716.75	867.	437.	17898.214	133.784	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	8	5.	5.46	7.08	4.5	1.019	1.009	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	8	11.	11.563	19.	1.5	48.246	6.946	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	8	7.4	7.451	7.7	7.3	0.025	0.159	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	8	7.4	7.427	7.7	7.3	0.026	0.161	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	8	0.04	0.037	0.05	0.02	0.	0.012	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	8	15.3	19.	37.	5.6	138.023	11.748	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	8	45.	88.75	300.	0.	13355.357	115.565	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	8	0.977	1.097	2.477	0.	1.403	1.184	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			12.495								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	8	1.5	102.375	800.	0.	79474.268	281.912	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	8	0.151	0.611	2.903	0.	1.009	1.004	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			4.08								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	4	1.7	1.625	2.2	0.9	0.295	0.543	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	8	440.	461.75	714.	368.	12039.357	109.724	**	**	**	**

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Annual Analysis for 1997 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	8	19.105	18.996	25.8	10.47	29.095	5.394	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	8	787.5	764.125	883.	489.	15353.268	123.908	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	8	4.84	5.304	7.44	3.5	2.059	1.435	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	5	9.	12.	22.	5.	57.5	7.583	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	8	7.315	7.32	7.43	7.15	0.009	0.092	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	8	7.315	7.311	7.43	7.15	0.009	0.093	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	8	0.048	0.049	0.071	0.037	0.	0.011	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	7	16.8	21.386	38.4	14.	82.975	9.109	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	3	11.7	11.92	18.5	5.56	41.897	6.473	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	20.	4162.	20000.	0.	78499420.	8859.99	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	1.301	1.899	4.301	0.	2.882	1.698	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			79.219								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	5	2.	83.6	400.	0.	31314.8	176.96	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	5	0.301	0.87	2.602	0.	1.12	1.058	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			7.414								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	6	1.515	1.61	2.25	1.18	0.2	0.447	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	7	452.	451.143	466.	420.	247.81	15.742	**	**	**	**

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

Annual Analysis for 1998 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	11	19.8	18.42	25.45	10.84	27.986	5.29	11.012	12.21	22.8	25.22
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	11	726.	641.777	809.	9.55	61124.846	247.234	79.44	627.	802.	809.
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	11	6.5	11.237	58.	4.41	241.696	15.547	4.708	5.9	7.7	48.126
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	7	27.	26.714	32.	23.	9.571	3.094	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	11	7.3	7.418	8.	7.1	0.093	0.305	7.1	7.2	7.7	7.976
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	11	7.3	7.34	8.	7.1	0.1	0.316	7.1	7.2	7.7	7.976
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	11	0.05	0.046	0.079	0.01	0.001	0.024	0.011	0.02	0.063	0.079
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	8	21.2	21.4	31.2	13.6	28.663	5.354	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	10	8.79	9.959	28.4	0.025	54.044	7.351	0.667	6.568	10.95	26.91
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	2600.	3528.571	13300.	0.	21615714.286	4649.27	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	7	3.415	2.533	4.124	0.	3.096	1.76	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			341.3								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	50.	2906.143	20000.	0.	56820280.81	7537.923	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	7	1.699	1.66	4.301	0.	2.165	1.471	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			45.758								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	10	2.25	1.666	2.58	0.	1.026	1.013	0.01	0.752	2.5	2.572
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	8	451.	447.75	482.	414.	466.786	21.605	**	**	**	**

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Annual Analysis for 1999 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	5	19.6	17.728	24.7	9.04	50.203	7.085	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	4	699.5	697.75	710.	682.	142.917	11.955	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	5	7.6	7.06	8.5	5.7	1.653	1.286	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	5	20.	22.6	28.	18.	20.8	4.561	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	5	7.3	7.346	7.53	7.1	0.031	0.175	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	5	7.3	7.317	7.53	7.1	0.032	0.178	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	5	0.05	0.048	0.079	0.03	0.	0.02	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	4	20.4	20.	24.8	14.4	18.667	4.32	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	4	4.78	5.603	9.06	3.79	6.095	2.469	**	**	**	**

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Annual Analysis for 1999 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	24000.	19200.	30000.	5000.	121700000.	11031.772	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	5	4.38	4.198	4.477	3.699	0.113	0.337	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			15759.167								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	5	140.	284.	780.	10.	113830.	337.387	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	5	2.146	1.944	2.892	1.	0.816	0.904	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			87.881								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	5	2.2	2.048	2.9	0.84	0.589	0.767	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	5	436.	441.2	490.	418.	873.2	29.55	**	**	**	**

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Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	52	24.	22.724	27.4	2.4	23.653	4.863	18.72	21.05	25.775	26.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	39	764.	745.897	903.	430.	11389.726	106.723	627.	703.	820.	855.
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	39	4.6	4.593	8.1	0.	1.934	1.391	3.4	4.1	5.3	5.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	47	14.	16.724	48.	0.5	112.469	10.605	6.	9.	23.	30.
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	37	7.5	7.392	7.9	6.3	0.116	0.34	6.98	7.25	7.6	7.72
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	37	7.5	7.208	7.9	6.3	0.15	0.388	6.98	7.25	7.6	7.72
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	37	0.032	0.062	0.501	0.013	0.008	0.091	0.019	0.025	0.057	0.105
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-02/21/91	14	13.5	18.071	41.	3.	219.148	14.804	3.	5.75	38.	41.
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	46	7.3	7.322	7.9	6.7	0.065	0.255	7.	7.175	7.5	7.7
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	46	7.3	7.25	7.9	6.7	0.07	0.265	7.	7.175	7.5	7.7
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	46	0.05	0.056	0.2	0.013	0.001	0.035	0.02	0.032	0.067	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-02/21/91	21	180.	171.19	213.	99.	936.462	30.602	120.6	144.	195.5	204.2
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-02/21/91	12	227.	208.417	260.	121.	2118.265	46.025	127.9	164.25	240.	257.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	49	16.	20.188	143.	2.	417.219	20.426	7.	10.	21.6	38.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	37	10.2	9.518	23.2	0.1	26.899	5.186	2.346	6.32	13.05	15.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-09/18/97	9	1.9	2.621	5.9	0.5	3.897	1.974	0.5	1.205	4.515	5.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/77-06/25/98	26	6.41	7.708	33.3	4.83	29.479	5.429	5.23	5.77	7.3	9.707
31506p	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	43	720.	3482.14	43000.	0.	61495063.171	7841.879	4.	90.	2480.	9720.
31506p	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	43	2.857	2.634	4.633	0.	1.425	1.194	0.4	1.954	3.394	3.987
31506p	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			431.003								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	42	23.	951.071	20000.	0.	11570824.653	3401.591	0.	8.	138.5	1889.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	42	1.362	1.523	4.301	0.	1.298	1.139	0.	0.903	2.115	3.244
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			33.339								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	19	40.	592.842	5200.	0.	1608535.696	1268.281	0.	4.	500.	2100.
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	19	1.602	1.673	3.716	0.	1.504	1.226	0.	0.602	2.699	3.322
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			47.112								
50051	FLOW, RATE, INSTANTANEOUS MGD	01/19/78-09/30/99	38	1.	1.331	7.5	0.3	1.974	1.405	0.69	0.8	1.225	1.93
50060p	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	39	1.8	1.666	3.5	0.	0.89	0.943	0.37	0.9	2.4	3.
61027	ANIONS, SUM, TOTAL IN WATER MG/L	09/12/91-12/09/99	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	09/12/91-12/09/99	16	0.	2.188	19.	0.	24.829	4.983	0.	0.	3.	9.9
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	41	482.	475.268	714.	232.	5548.951	74.491	379.6	442.	514.	543.6

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Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	69	12.	12.471	20.2	1.3	10.761	3.28	9.2	10.485	14.15	17.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	60	806.5	799.05	1500.	359.	29824.76	172.698	638.3	725.25	855.	965.3
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	58	6.4	6.385	11.8	2.8	2.13	1.459	4.69	5.375	7.155	8.51
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	75	19.	24.06	95.	1.5	321.395	17.927	8.	12.	29.	49.
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	48	7.5	7.413	7.9	6.78	0.07	0.265	6.91	7.3	7.6	7.7
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	48	7.5	7.322	7.9	6.78	0.079	0.28	6.91	7.3	7.6	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	48	0.032	0.048	0.166	0.013	0.001	0.037	0.02	0.025	0.05	0.123
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-02/21/91	26	16.	18.962	67.	3.	277.958	16.672	4.7	7.	27.	45.3
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	67	7.31	7.368	8.3	6.5	0.11	0.332	7.	7.2	7.53	7.816
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	67	7.31	7.244	8.3	6.5	0.126	0.354	7.	7.2	7.53	7.816
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	67	0.049	0.057	0.316	0.005	0.003	0.05	0.015	0.03	0.063	0.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-02/21/91	34	209.5	191.588	247.	100.	1380.25	37.152	133.	164.75	218.	234.
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-02/21/91	22	255.5	230.091	286.	122.	2289.706	47.851	150.8	182.	266.	269.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	75	21.	25.36	144.	1.	572.379	23.924	4.96	14.	31.	45.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	51	13.2	14.515	40.	2.	58.666	7.659	5.568	9.06	20.	23.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-09/18/97	10	0.9	3.005	16.75	0.1	27.218	5.217	0.105	0.3	3.65	15.74
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/77-06/25/98	33	6.55	6.775	10.85	3.85	3.515	1.875	4.536	5.295	7.79	9.802
31506p	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	66	2050.	12522.773	240000.	0.	1044800075.409	32323.367	22.1	217.5	9975.	43900.
31506p	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	66	3.312	3.096	5.38	0.	1.572	1.254	1.344	2.337	3.996	4.642
31506p	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1247.502								

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Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	64	26.5	5665.883	240000.	0.	1073947093.712	32771.132	0.5	6.	230.	1000.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	64	1.423	1.582	5.38	0.	1.365	1.168	0.	0.778	2.362	2.991
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			38.193								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	27	480.	1514.074	11200.	0.	6989791.533	2643.821	16.	200.	1400.	4240.
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	27	2.681	2.542	4.049	0.	1.007	1.003	1.041	2.301	3.146	3.582
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			348.557								
50051	FLOW, RATE, INSTANTANEOUS MGD	01/19/78-09/30/99	55	0.7	0.915	7.5	0.3	0.922	0.96	0.5	0.6	0.85	1.34
50060p	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	56	1.5	1.688	9.5	0.08	1.683	1.297	0.57	0.955	2.175	2.53
61027	ANIONS, SUM, TOTAL IN WATER MG/L	09/12/91-12/09/99	27	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	09/12/91-12/09/99	27	0.	2.889	12.	0.	19.564	4.423	0.	0.	7.	10.4
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	64	489.	508.094	2402.	334.	60918.309	246.816	398.	445.5	516.5	551.

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Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	31	17.8	17.862	23.	13.	8.191	2.862	14.5	15.3	20.2	22.02
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	28	805.	785.841	1003.	9.55	34867.255	186.728	677.4	740.25	887.5	952.6
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	28	5.35	5.65	9.5	3.	1.938	1.392	4.28	4.75	6.4	7.14
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	30	19.	18.9	44.	5.	92.369	9.611	7.1	11.	23.25	31.7
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	19	7.5	7.405	7.8	6.7	0.104	0.322	6.8	7.1	7.7	7.7
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	19	7.5	7.275	7.8	6.7	0.122	0.349	6.8	7.1	7.7	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	19	0.032	0.053	0.2	0.016	0.002	0.05	0.02	0.02	0.079	0.158
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-02/21/91	10	16.5	29.9	80.	8.	790.322	28.113	8.3	11.75	52.25	80.
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	30	7.35	7.385	8.2	6.5	0.093	0.305	7.01	7.275	7.525	7.79
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	30	7.347	7.271	8.2	6.5	0.106	0.326	7.01	7.275	7.525	7.79
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	30	0.045	0.054	0.316	0.006	0.003	0.055	0.016	0.03	0.053	0.098
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-02/21/91	14	189.5	178.929	239.	89.	2255.148	47.488	100.	137.25	217.	236.5
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-02/21/91	9	222.	203.444	285.	108.	3933.028	62.714	108.	144.5	257.5	285.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	32	19.	20.881	65.	1.5	192.581	13.877	4.	11.5	27.5	42.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	21	15.2	14.5	40.8	0.1	94.587	9.726	3.124	6.455	17.75	29.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-09/18/97	4	1.55	1.833	3.08	1.15	0.787	0.887	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/77-06/25/98	17	6.55	6.989	9.9	4.22	2.854	1.689	4.396	6.045	8.66	9.38
31506p	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	31	900.	7103.194	93000.	0.	326399293.028	18066.524	2.	60.	3900.	21860.
31506p	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	31	2.954	2.704	4.968	0.	1.783	1.335	0.2	1.778	3.591	4.329
31506p	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			505.767								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	31	16.	205.661	3900.	0.	486143.156	697.24	0.	1.	200.	342.8
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	31	1.204	1.222	3.591	0.	1.099	1.048	0.	0.	2.301	2.533
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			16.675								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	14	24.	507.143	3300.	0.	920172.132	959.256	0.	0.	798.5	2550.
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	14	1.355	1.403	3.519	0.	1.962	1.401	0.	0.	2.901	3.387
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			25.292								
50051	FLOW, RATE, INSTANTANEOUS MGD	01/19/78-09/30/99	26	0.945	0.923	1.4	0.4	0.066	0.257	0.57	0.738	1.1	1.33
50060p	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	25	1.7	1.671	2.58	0.5	0.337	0.581	0.842	1.19	2.	2.5
61027	ANIONS, SUM, TOTAL IN WATER MG/L	09/12/91-12/09/99	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	09/12/91-12/09/99	13	0.	3.462	28.	0.	64.769	8.048	0.	0.	3.5	20.8
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	28	489.	483.607	576.	368.	2989.803	54.679	414.	446.	521.5	570.

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

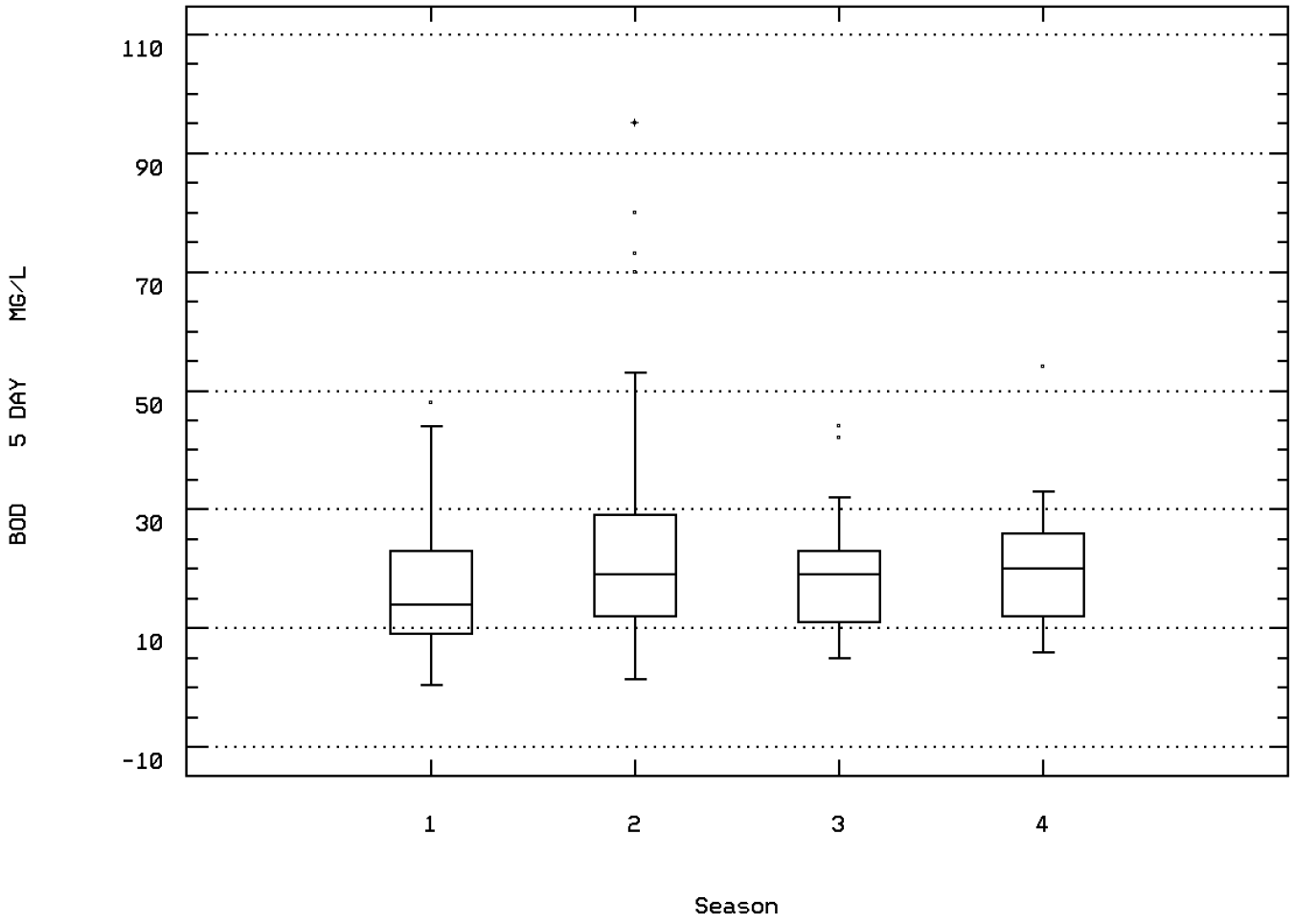
Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/76-12/09/99	22	22.8	22.	26.2	2.2	21.937	4.684	20.31	21.6	24.	25.47
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/23/79-12/09/99	18	812.	817.5	1250.	330.	27750.735	166.586	712.5	776.5	851.	1007.9
00300	OXYGEN, DISSOLVED MG/L	05/23/79-12/09/99	17	5.3	8.194	58.	2.2	166.118	12.889	3.24	4.6	5.85	17.84
00310p	BOD, 5 DAY, 20 DEG C MG/L	03/31/76-12/09/99	21	20.	21.143	54.	6.	121.729	11.033	10.	11.5	26.	32.8
00400	PH (STANDARD UNITS)	01/28/75-02/13/92	12	7.6	7.558	7.9	6.8	0.092	0.303	6.92	7.5	7.7	7.9
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-02/13/92	12	7.6	7.431	7.9	6.8	0.11	0.331	6.92	7.5	7.7	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-02/13/92	12	0.025	0.037	0.158	0.013	0.002	0.04	0.013	0.02	0.032	0.13
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-02/21/91	7	9.	40.143	110.	5.	2397.143	48.961	**	**	**	**
00406p	PH, FIELD, STANDARD UNITS SU	06/15/76-12/09/99	20	7.3	7.345	8.	6.9	0.065	0.254	7.01	7.125	7.5	7.69
00406p	CONVERTED PH, FIELD, STANDARD UNITS	06/15/76-12/09/99	20	7.3	7.281	8.	6.9	0.069	0.263	7.01	7.125	7.5	7.69
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/76-12/09/99	20	0.05	0.052	0.126	0.01	0.001	0.028	0.02	0.032	0.075	0.098
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-02/21/91	7	197.	166.256	226.	6.79	5768.061	75.948	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-02/21/91	5	242.	234.4	276.	162.	1842.8	42.928	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/76-12/09/99	20	16.	23.45	85.	3.	421.637	20.534	5.6	13.7	26.	68.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-12/09/99	17	12.375	14.447	32.3	0.025	59.909	7.74	2.565	11.3	18.8	27.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-09/18/97	5	1.3	4.914	19.4	0.55	65.999	8.124	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/12/77-06/25/98	10	6.69	6.49	8.27	4.55	1.891	1.375	4.56	4.875	7.695	8.253
31506p	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	18	1500.	4373.5	24000.	0.	48656781.676	6975.441	0.	462.5	4325.	19770.
31506p	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/31/76-12/09/99	18	3.176	2.881	4.38	0.	1.586	1.26	0.	2.66	3.634	4.295
31506p	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			760.175								
31614p	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	18	89.	4333.778	71400.	0.	280787725.712	16756.722	0.	3.5	485.	10020.
31614p	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/31/76-12/09/99	18	1.949	1.795	4.854	0.	1.806	1.344	0.	0.527	2.686	3.64
31614p	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			62.418								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	04/06/82-10/24/91	8	829.	1173.75	4100.	0.	2036576.5	1427.087	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	04/06/82-10/24/91	8	2.917	2.385	3.613	0.	1.498	1.224	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			242.781								
50051	FLOW, RATE, INSTANTANEOUS MGD	01/19/78-09/30/99	15	0.8	0.908	1.5	0.55	0.079	0.281	0.58	0.7	1.1	1.38
50060p	CHLORINE, TOTAL RESIDUAL (MG/L)	06/15/76-12/09/99	15	1.8	1.559	2.5	0.1	0.671	0.819	0.22	0.89	2.2	2.44
61027	ANIONS, SUM, TOTAL IN WATER MG/L	09/12/91-12/09/99	7	0.	0.	0.	0.	0.	0.	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	09/12/91-12/09/99	7	0.	3.714	14.	0.	40.571	6.37	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-12/09/99	15	492.	488.8	654.	376.	4799.886	69.281	391.6	444.	518.	608.4

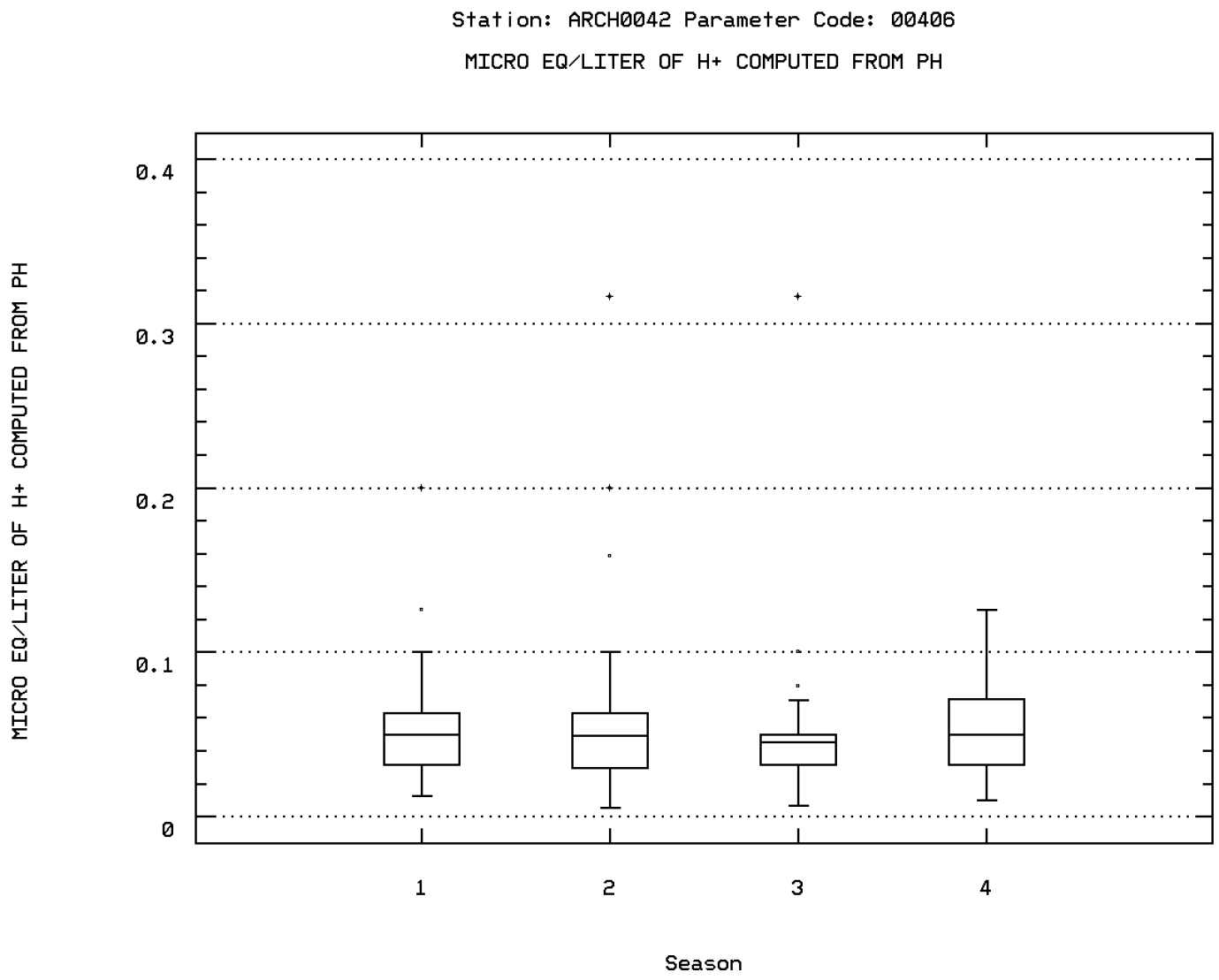
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: ARCH0042 Parameter Code: 00310

BOD, 5 DAY, 20 DEG C



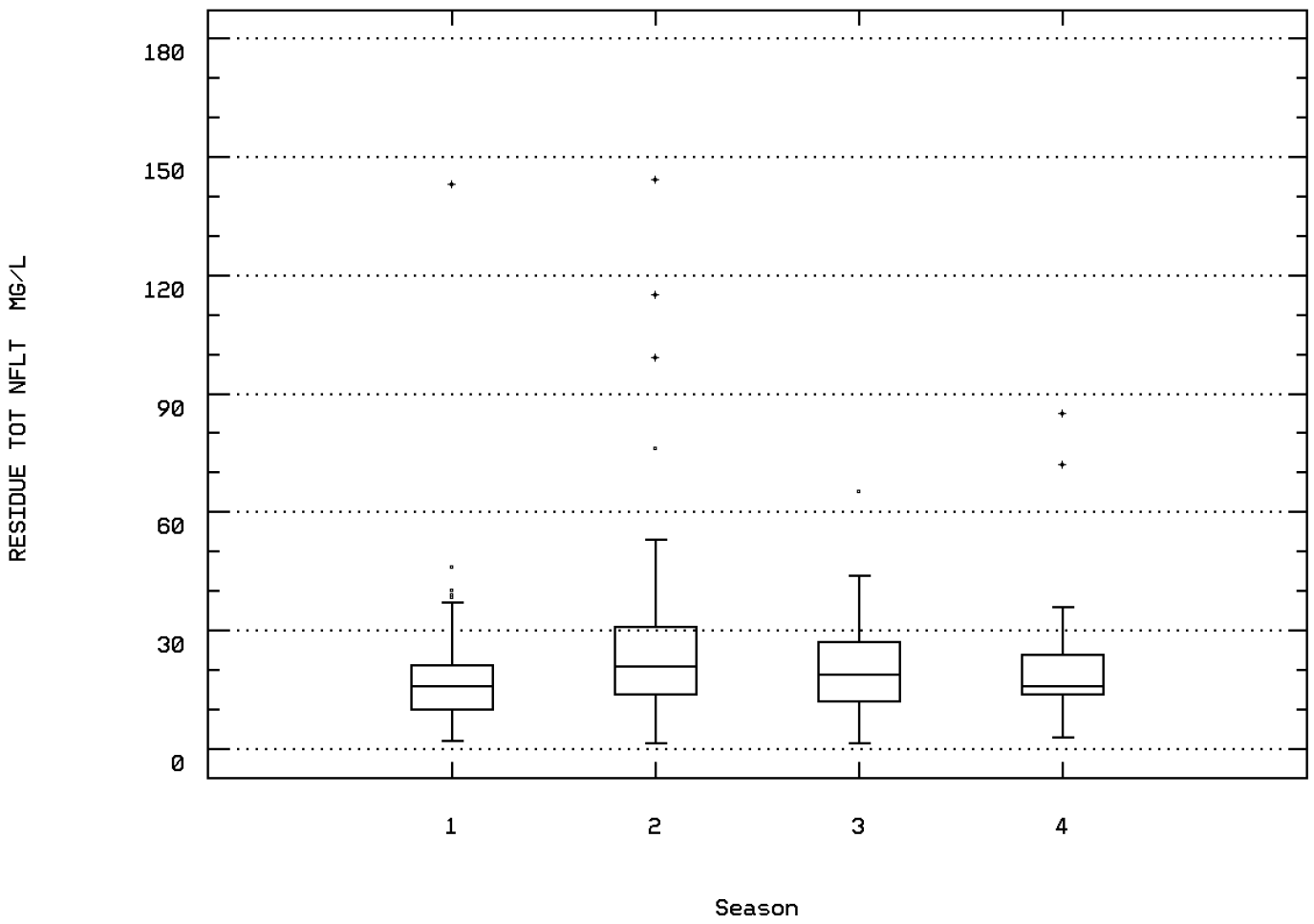
MOAB WWTP


Station: ARCH0042 Parameter Code: 00406
MICRO EQ/LITER OF H+ COMPUTED FROM PH
MICRO EQ/LITER OF H+ COMPUTED FROM PH
0.4
0.3
0.2
0.1
0
1
2
3
4
Season

MOAB WWTP

Station: ARCH0042 Parameter Code: 00530

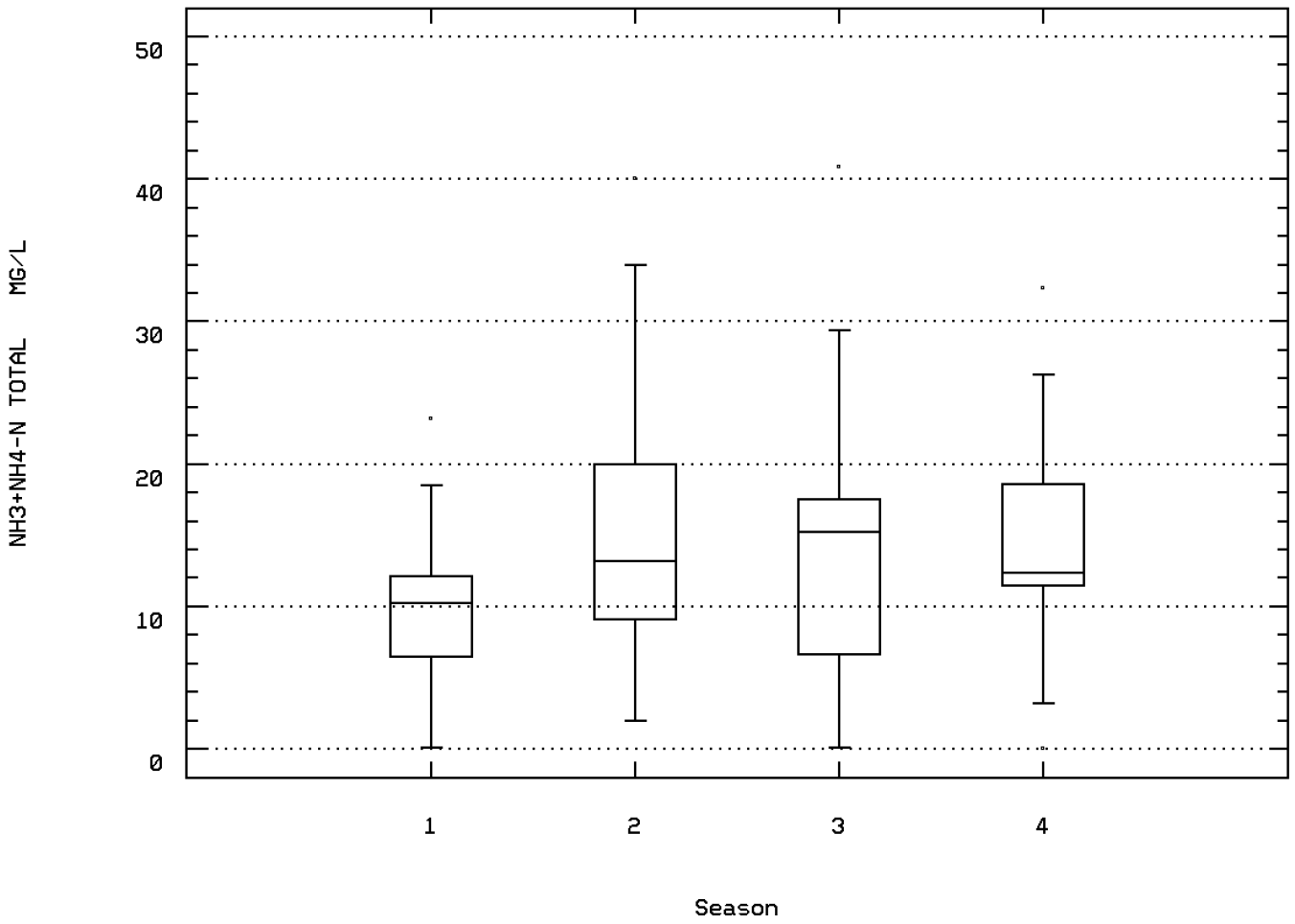
RESIDUE, TOTAL NONFILTRABLE (MG/L)



MOAB WWTP

Station: ARCH0042 Parameter Code: 00610

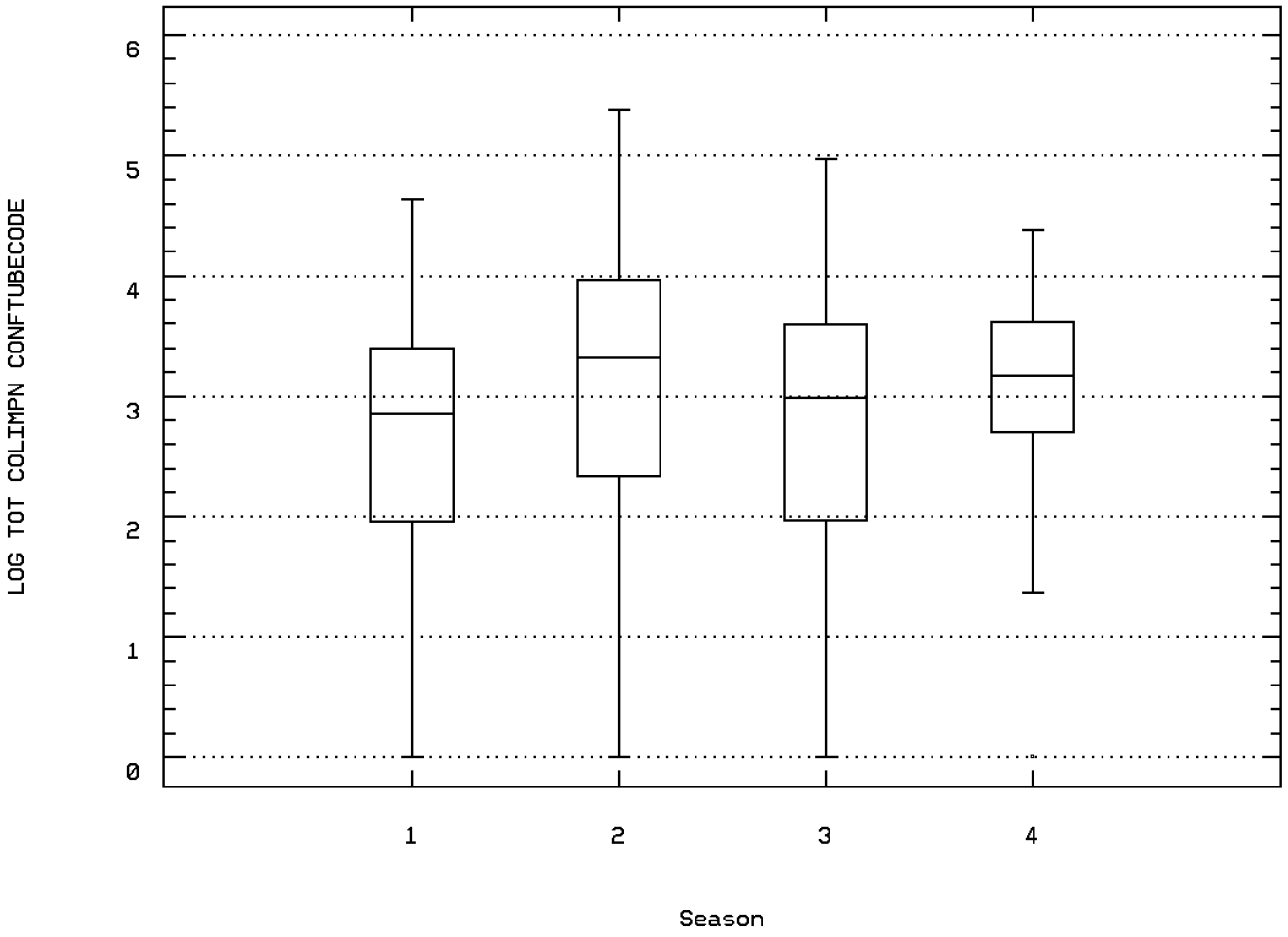
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



MOAB WWTP

Station: ARCH0042 Parameter Code: 31506

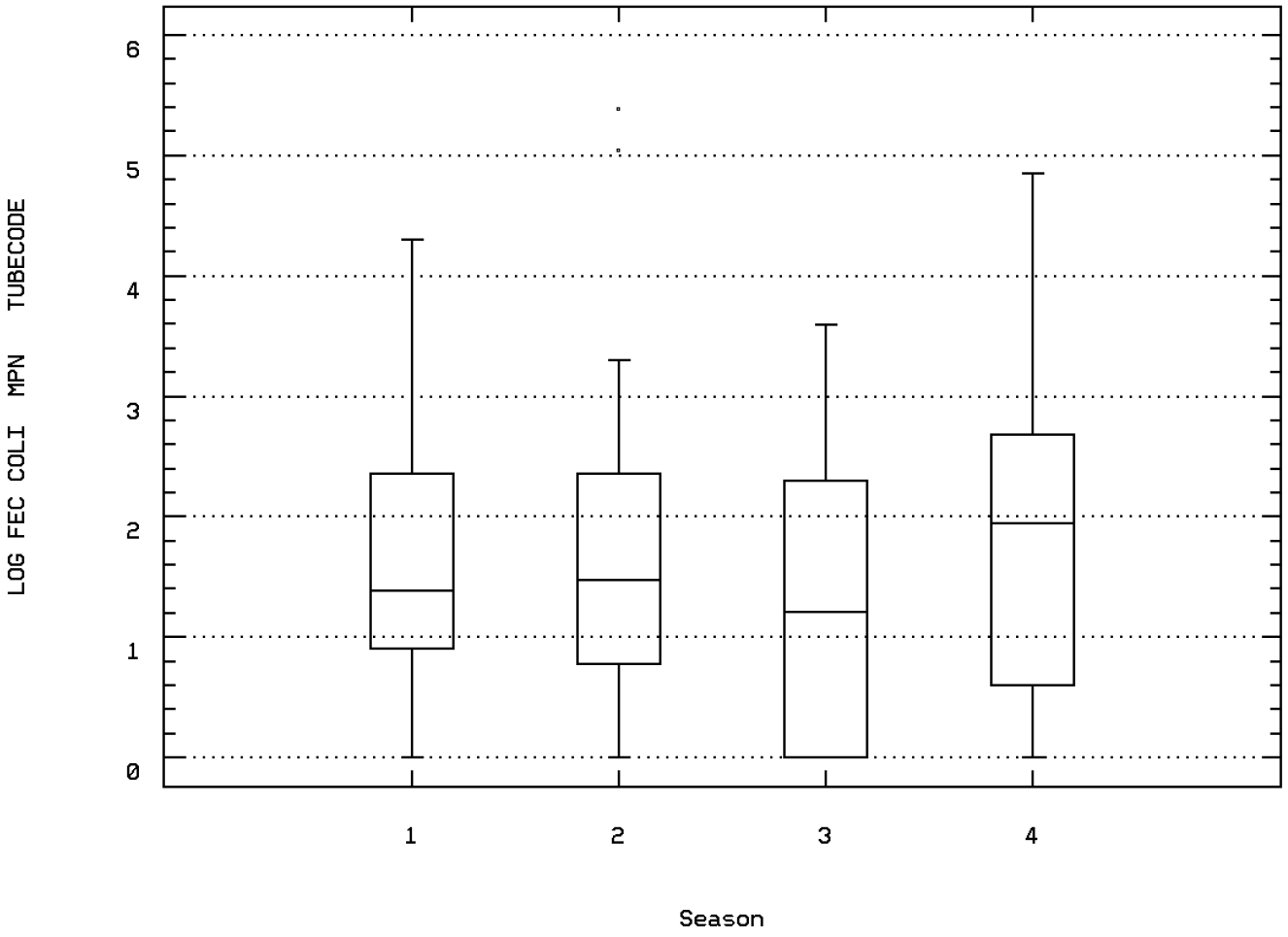
LOG COLIFORM,TOT,MPN, CONFIRMED TEST, T



MOAB WWTP

Station: ARCH0042 Parameter Code: 31614

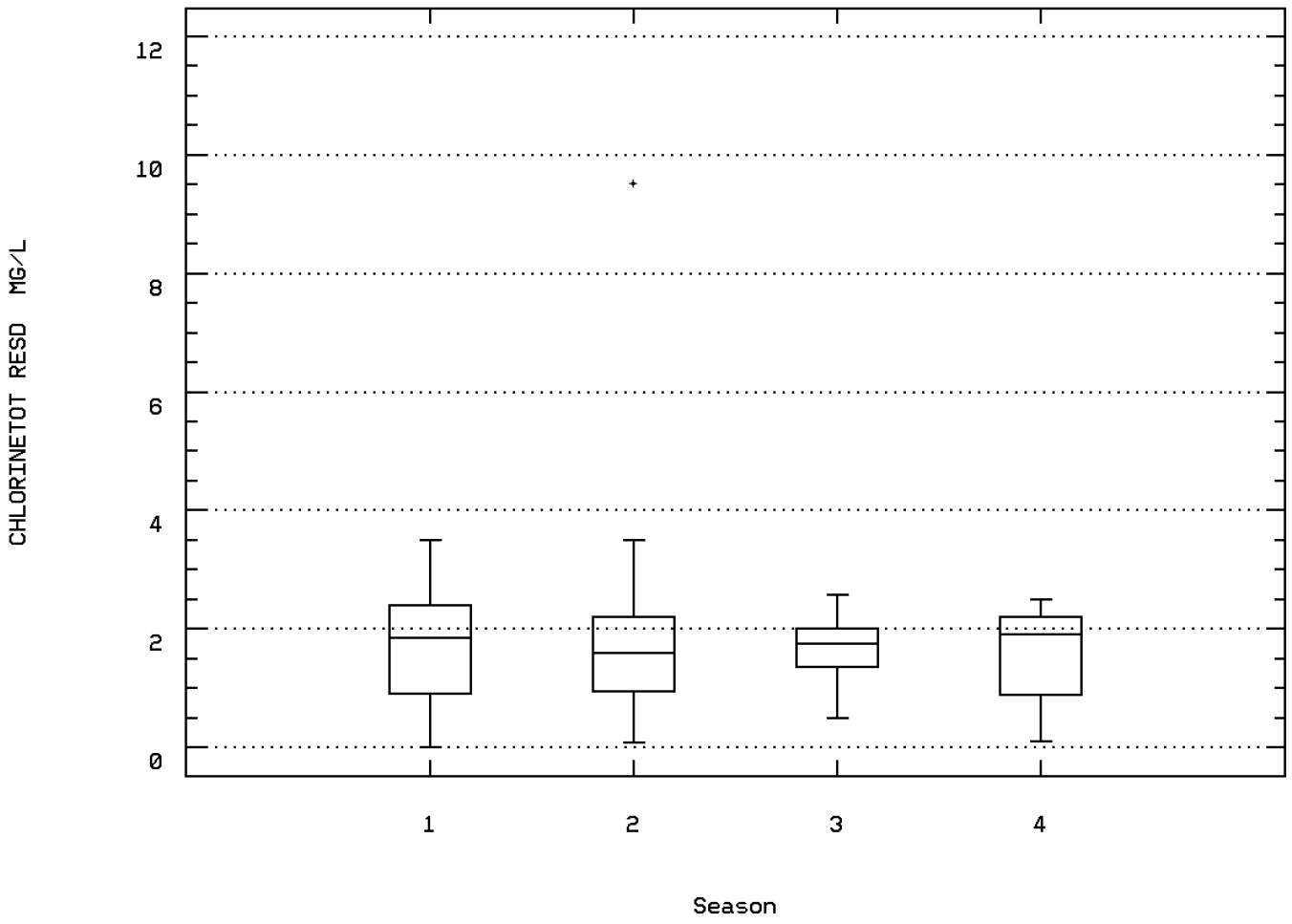
LOG FECAL COLIFORM,MPN,TUBE CONFIGURATI



MOAB WWTP

Station: ARCH0042 Parameter Code: 50060

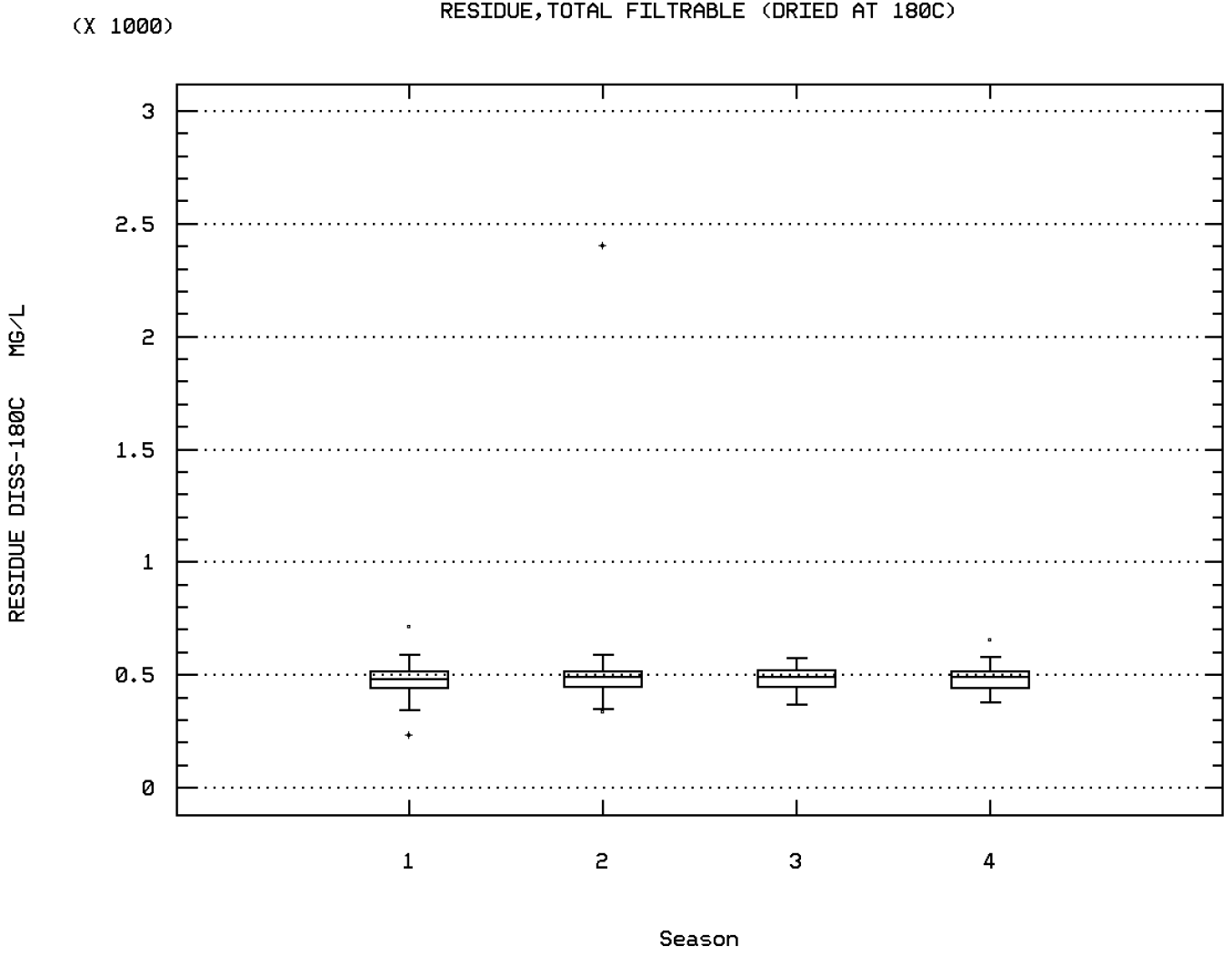
CHLORINE, TOTAL RESIDUAL (MG/L)



MOAB WWTP

Station: ARCH0042 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



MOAB WWTP

Station Inventory for Station: ARCH0043

NPS Station ID: ARCH0043
LAT/LON: 38.579170/-109.580559
Agency: 1118C030
Date Created: / /
Location: COLORADO RIVER DWS OF MOAB
FIPS State/County: 49000 UTAH/
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 490009
RMI-Indexes: 1101001
Within Park Boundary: No
RMI-Miles: 0990.60
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO SUB BASIN
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 0.740
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14060008000714.45
RF3 Mile Point: 14.45
Distance from RF3: 0.07
On/Off RF3:
Description:
CRBP NO. RMN-10, BWS-24
NE1/4, NE1/4, SEC 3, T26S, R21E
SAMPLED 6MI. DOWNSTREAM FROM HWY 160 BRIDGE NW OF MOAB UNTIL 07/69. NOW SAMPLED 1000FT UPSTREAM OF MILL CREEK, SAMPLE TAKEN FROM WEST BANK
TYPE DATA-RAD; GRAB, 3 PINTS/WEEK SAMPLING BEGAN 12/11/61 AND IS ONGOING
REMARKS: THE ATLAS MINERAL URANIUM MILL 5 1/2 MILES UPSTREAM DISCHARGES LIQUID EFFLUENT AFTER TREATING IT WITH BARIUM CHLORIDE TO REMOVE RADIUM
226. TYPE FLOW MEAS-WTR STG REC AT 09180500 NEAR CISCO, UTAH

Parameter Inventory for Station: ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/19/64-06/03/66	42	1380.	1254.643	2030.	384.	280420.138	529.547	511.3	694.25	1742.5	1896.
00400	PH (STANDARD UNITS)	09/19/64-06/23/69	43	7.6	7.712	8.5	7.4	0.058	0.241	7.44	7.6	7.8	8.
00400	CONVERTED PH (STANDARD UNITS)	09/19/64-06/23/69	43	7.6	7.659	8.5	7.4	0.061	0.247	7.44	7.6	7.8	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/64-06/23/69	43	0.025	0.022	0.04	0.003	0.	0.01	0.01	0.016	0.025	0.037
00440	BICARBONATE ION (MG/L AS HCO3)	09/19/64-06/03/66	42	184.5	176.143	242.	102.	1305.443	36.131	123.6	139.5	206.	219.5
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	09/19/64-06/03/66	42	951.5	855.929	1420.	228.	141611.726	376.313	328.7	472.75	1192.5	1310.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/19/64-06/03/66	42	420.	386.929	674.	149.	21200.312	145.603	185.9	247.5	482.5	590.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/19/64-06/03/66	42	102.	97.048	178.	41.	1179.412	34.343	51.3	65.75	117.25	144.7
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/19/64-06/03/66	42	39.	35.048	61.	10.	228.729	15.124	13.3	19.	46.25	53.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/19/64-06/03/66	42	131.5	122.214	246.	18.	4541.392	67.39	30.9	51.25	186.	199.7
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/19/64-06/03/66	42	5.05	4.721	8.2	1.6	3.418	1.849	2.13	2.875	6.3	6.94
00940	CHLORIDE,TOTAL IN WATER MG/L	09/19/64-06/03/66	42	124.5	121.619	292.	14.	5602.876	74.852	26.3	46.75	191.25	211.7
00945	SULFATE, TOTAL (MG/L AS SO4)	09/19/64-06/03/66	42	355.5	329.286	652.	77.	25034.99	158.224	111.5	186.75	436.5	536.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/19/64-09/19/64	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/23/69-06/23/69	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/19/64-09/19/64	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/23/69-06/23/69	1 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/69-06/23/69	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/23/69-06/23/69	1	3100.	3100.	3100.	3100.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/69-06/23/69	1 ##	30.	30.	30.	30.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/23/69-06/23/69	1	320.	320.	320.	320.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/23/69-06/23/69	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/69-06/23/69	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01501	ALPHA, TOTAL	10/14/69-01/04/71	15	13.	13.6	27.	6.	35.971	5.998	7.2	10.	15.	26.4
01502	ALPHA, TOTAL, COUNTING ERROR	10/14/69-01/04/71	15	1.	1.587	3.	0.8	0.563	0.75	0.92	1.	2.	3.
01503	ALPHA, DISSOLVED	04/01/67-01/04/71	26	9.	9.231	14.	3.	10.665	3.266	4.7	7.	12.25	14.

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

Parameter Inventory for Station: ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01504	ALPHA, DISSOLVED, COUNTING ERROR	07/01/67-01/04/71	25	1.	1.376	3.	0.8	0.358	0.598	0.8	1.	2.	2.
01505	ALPHA, SUSPENDED	01/18/68-01/04/71	29	4.	4.138	19.	0.6	14.097	3.755	0.8	2.	4.	7.
01506	ALPHA, SUSPENDED, COUNTING ERROR	01/18/68-01/04/71	29	0.2	0.259	1.	0.1	0.051	0.226	0.1	0.1	0.3	0.5
03501	BETA, TOTAL	10/14/69-01/04/71	15	14.	20.533	50.	9.	166.41	12.9	9.6	12.	31.	46.4
03502	BETA, TOTAL, COUNTING ERROR	10/14/69-01/04/71	15	4.	4.4	9.	3.	2.971	1.724	3.	3.	6.	7.2
03503	BETA, DISSOLVED	04/01/67-01/04/71	26	9.	10.308	19.	4.	16.542	4.067	5.7	7.	13.5	16.3
03504	BETA, DISSOLVED, COUNTING ERROR	07/01/67-01/04/71	25	3.	3.6	8.	1.	2.333	1.528	1.6	3.	4.	6.
03505	BETA, SUSPENDED	01/18/68-01/04/71	29	8.	9.828	44.	2.	80.576	8.976	4.	5.5	10.	18.
03506	BETA, SUSPENDED, COUNTING ERROR	01/18/68-01/04/71	29	0.7	0.81	5.	0.2	0.912	0.955	0.3	0.3	0.8	1.
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	189	0.29	0.367	7.21	0.05	0.328	0.573	0.16	0.2	0.33	0.47
09504	RADIUM 226, DISSOLVED, COUNTING ERROR	06/03/68-06/01/71	42	0.02	0.027	0.07	0.02	0.	0.011	0.02	0.02	0.03	0.03
09505	RADIUM 226, SUSPENDED	07/01/68-12/02/70	32	0.425	1.024	4.8	0.13	1.481	1.217	0.136	0.285	1.7	3.17
09506	RADIUM 226, SUSPENDED, COUNTING ERROR	07/01/68-12/02/70	32	0.03	0.058	0.2	0.	0.004	0.066	0.	0.	0.1	0.2
09507	RADIUM 226 IN SEDIMENT (PC/G OF DRY SOLIDS)	07/01/68-12/02/70	18	2.2	2.75	7.2	1.6	1.736	1.317	1.78	1.975	3.425	4.23
09508	RADIUM 226 IN SEDIMENT, COUNTING ERROR	07/01/68-12/02/70	18	0.1	0.2	0.9	0.1	0.041	0.203	0.1	0.1	0.2	0.54
13501	STRONTIUM 90, TOTAL	10/01/69-01/01/70	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
13502	STRONTIUM 90, TOTAL, COUNTING ERROR	10/01/69-01/01/70	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**
15501	STRONTIUM 89, TOTAL	10/01/69-01/01/70	2	0.	0.	0.	0.	0.	0.	**	**	**	**
15502	STRONTIUM 89, TOTAL, COUNTING ERROR	10/01/69-01/01/70	2	1.	1.	1.	1.	0.	0.	**	**	**	**
17503	LEAD 210, DISSOLVED	04/01/67-07/01/69	10	0.04	0.108	0.5	0.	0.026	0.16	0.	0.	0.2	0.47
17504	LEAD 210, DISSOLVED, COUNTING ERROR	07/01/67-07/01/69	9	0.1	0.1	0.2	0.01	0.002	0.048	0.01	0.095	0.1	0.2
19503	POLONIUM 210, DISSOLVED	04/01/67-07/01/69	10	0.05	0.112	0.61	0.	0.035	0.186	0.	0.008	0.12	0.57
19504	POLONIUM 210, DISSOLVED, COUNTING ERROR	07/01/67-07/01/69	9	0.04	0.034	0.06	0.01	0.	0.017	0.01	0.02	0.045	0.06
22603	URANIUM 238, DISSOLVED, PC/L	01/01/69-07/01/69	3	0.01	0.007	0.01	0.	0.	0.006	**	**	**	**
22604	URANIUM 238, DISSOLVED, COUNTING ERROR	07/01/69-07/01/69	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	175	11.	10.322	22.	2.2	15.143	3.891	4.76	7.5	13.	15.4
26603	THORIUM, ALPHA, DISSOLVED	04/01/67-10/01/69	11	0.09	0.087	0.32	0.	0.009	0.096	0.002	0.01	0.14	0.29
26604	THORIUM, ALPHA, DISSOLVED, COUNTING ERROR	07/01/67-10/01/69	10	0.05	0.043	0.05	0.02	0.	0.011	0.021	0.038	0.05	0.05

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

EPA Water Quality Criteria Analysis for Station: ARCH0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	43	0	0.00	8	0	0.00	22	0	0.00	8	0	0.00	5	0	0.00
		Other-Lo Lim.	6.5	43	0	0.00	8	0	0.00	22	0	0.00	8	0	0.00	5	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	42	0	0.00	8	0	0.00	22	0	0.00	8	0	0.00	4	0	0.00
		Drinking Water	250.	42	1	0.02	8	0	0.00	22	1	0.05	8	0	0.00	4	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	42	27	0.64	8	5	0.63	22	21	0.95	8	1	0.13	4	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00										1	0	0.00
		Drinking Water	50.	0 &	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.	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
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
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	189	1	0.01	33	0	0.00	97	0	0.00	36	1	0.03	23	0	0.00
09505	RADIUM 226, SUSPENDED	Drinking Water	5.	32	0	0.00	8	0	0.00	16	0	0.00	4	0	0.00	4	0	0.00
13501	STRONTIUM 90, TOTAL	Drinking Water	8.	2	0	0.00	1	0	0.00	1	0	0.00						
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	175	2	0.01	28	0	0.00	92	1	0.01	34	1	0.03	21	0	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 1961 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

Annual Analysis for 1962 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	22	0.32	0.326	0.49	0.18	0.007	0.083	0.21	0.28	0.37	0.464
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	10	12.	12.3	18.	9.	7.344	2.71	9.1	10.75	13.	17.8

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

Annual Analysis for 1963 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	32	0.3	0.549	7.21	0.18	1.493	1.222	0.216	0.265	0.38	0.629
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	32	12.	11.847	22.	3.9	19.002	4.359	5.49	7.425	14.75	16.7

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

Annual Analysis for 1964 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	11	0.28	0.279	0.34	0.23	0.001	0.034	0.23	0.27	0.29	0.338
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	11	13.	11.736	18.	3.7	23.319	4.829	4.08	8.5	16.	17.8

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

Annual Analysis for 1965 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	12	0.285	0.267	0.41	0.16	0.006	0.076	0.16	0.198	0.32	0.386
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	12	10.05	9.458	14.	3.	17.399	4.171	3.12	5.325	13.75	14.

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

Annual Analysis for 1966 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	12	0.27	0.381	1.47	0.18	0.132	0.363	0.186	0.22	0.305	1.221
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	12	12.	10.225	15.	3.1	17.18	4.145	3.61	5.7	13.	15.

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

Annual Analysis for 1967 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	12	0.955	0.909	2.94	0.25	0.534	0.731	0.268	0.338	1.088	2.412
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	12	13.	12.117	18.	4.3	18.943	4.352	5.17	8.425	15.5	18.

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

Annual Analysis for 1968 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	21	0.3	0.368	1.27	0.15	0.061	0.247	0.172	0.235	0.4	0.68
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	20	10.5	10.43	15.	2.2	9.811	3.132	6.16	8.575	13.	14.

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

Annual Analysis for 1969 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	9	0.21	0.199	0.29	0.13	0.003	0.052	0.13	0.145	0.23	0.29
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	9	9.5	9.8	17.	4.2	20.393	4.516	4.2	5.7	14.	17.

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

Annual Analysis for 1970 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	12	0.175	0.183	0.27	0.12	0.002	0.044	0.126	0.15	0.215	0.258
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	12	9.85	9.475	12.	6.4	3.5	1.871	6.55	7.6	11.	11.7

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

Annual Analysis for 1971 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	20	0.2	0.216	0.5	0.05	0.011	0.107	0.1	0.12	0.3	0.327
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	20	9.65	8.905	15.	2.2	14.747	3.84	3.37	4.975	12.	13.9

** - 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

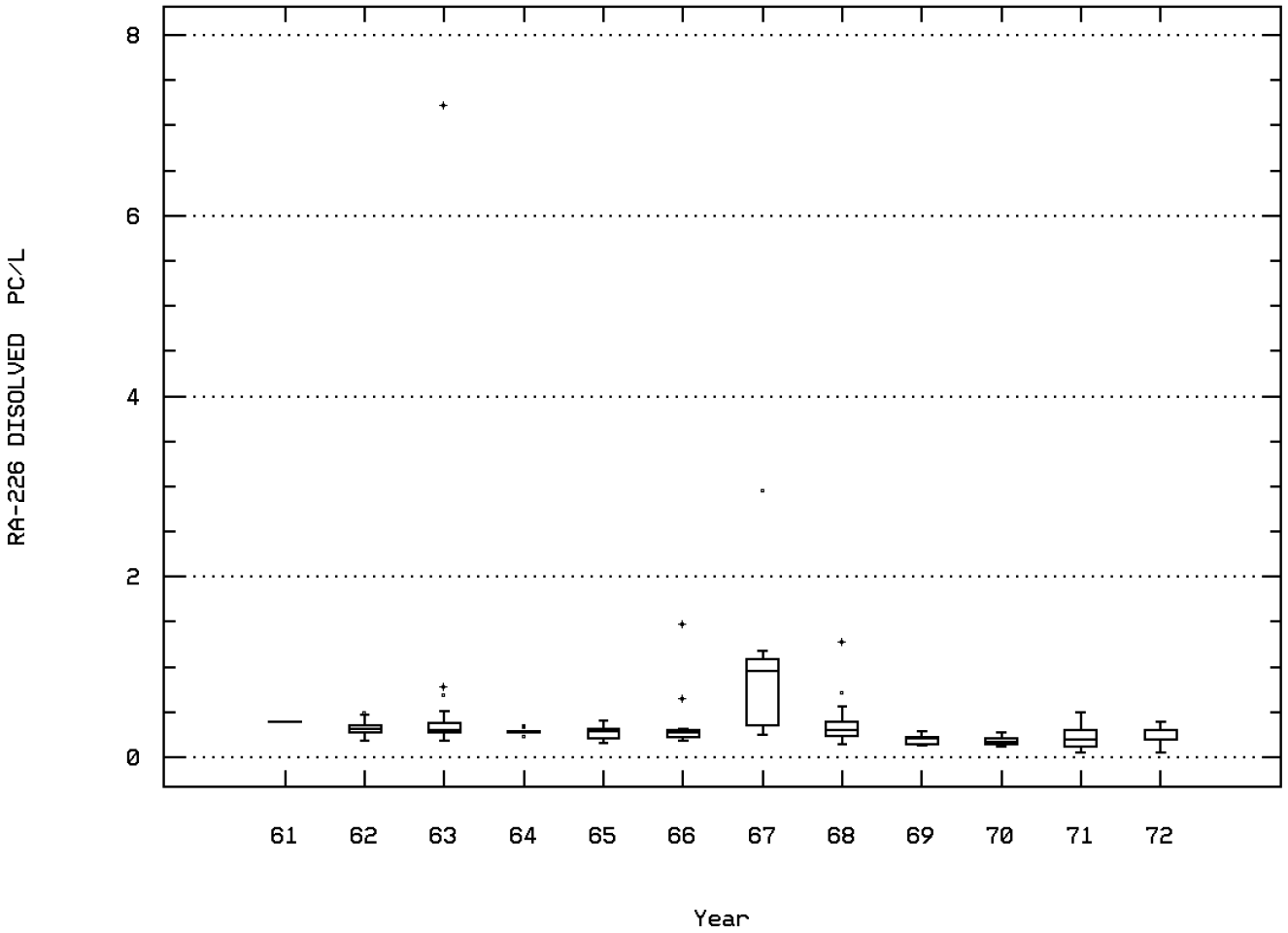
Annual Analysis for 1972 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	25	0.3	0.254	0.4	0.05	0.005	0.071	0.2	0.2	0.3	0.3
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	25	8.5	8.2	13.	3.3	5.927	2.435	4.56	6.25	10.1	11.4

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

Station: ARCH0043 Parameter Code: 09503

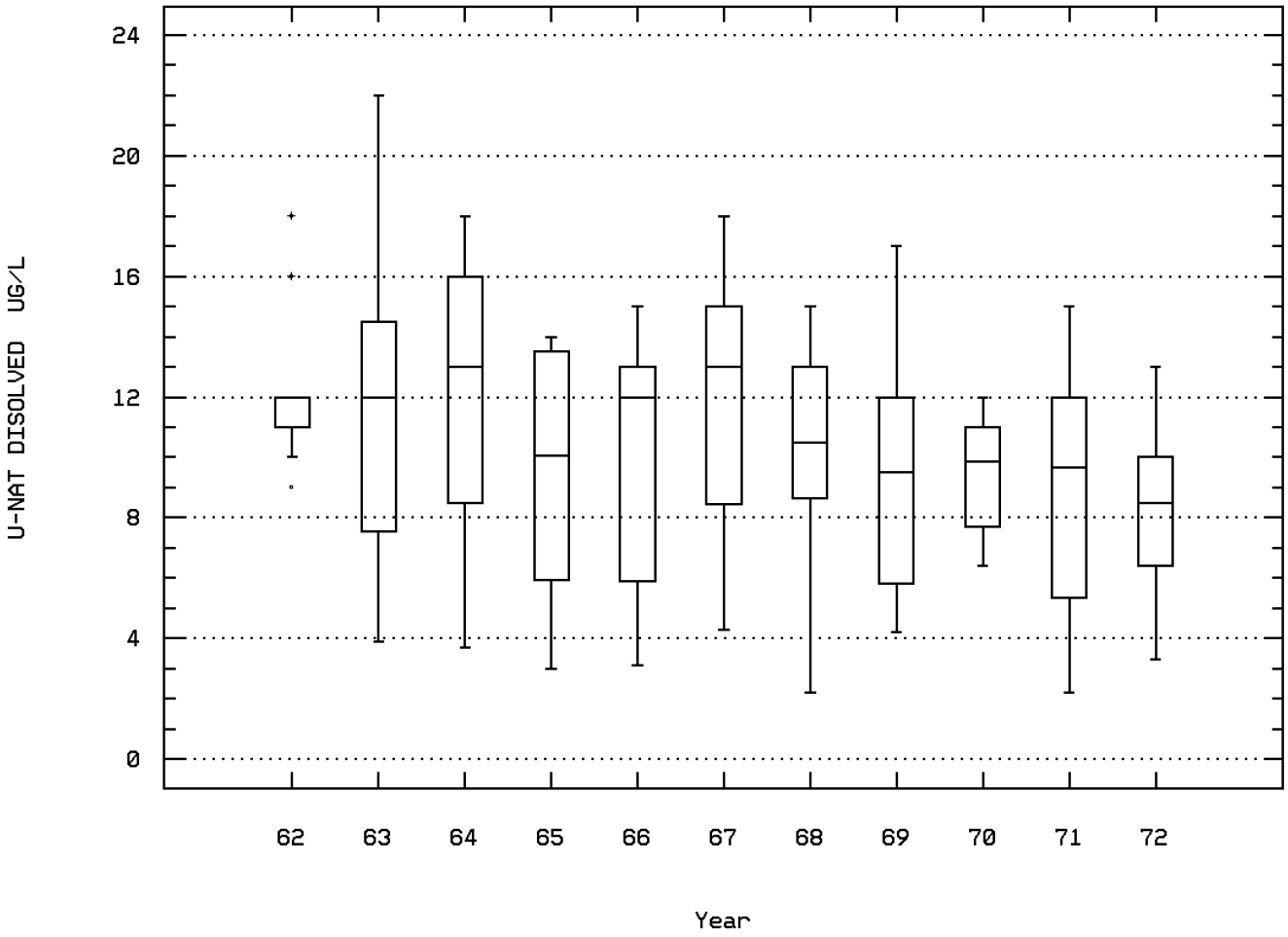
RADIUM 226, DISSOLVED



COLORADO RIVER DWS OF MOAB

Station: ARCH0043 Parameter Code: 22703

URANIUM, NATURAL, DISSOLVED



COLORADO RIVER DWS OF MOAB

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	33	0.29	0.337	1.09	0.1	0.041	0.204	0.2	0.225	0.34	0.584
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	28	12.5	12.504	18.	4.6	13.316	3.649	8.1	9.4	15.75	18.

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	97	0.29	0.365	2.94	0.05	0.128	0.357	0.178	0.205	0.355	0.584
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	92	12.	11.541	22.	2.2	10.095	3.177	6.9	10.	13.	15.7

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	36	0.29	0.468	7.21	0.12	1.351	1.162	0.127	0.2	0.315	0.428
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	34	7.4	7.621	20.	3.	11.636	3.411	3.35	5.25	9.3	11.5

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	23	0.27	0.257	0.51	0.1	0.009	0.092	0.14	0.19	0.31	0.358
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	21	6.1	6.448	12.	2.2	6.965	2.639	3.38	4.3	8.2	11.42

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

Station Inventory for Station: ARCH0044

NPS Station ID: ARCH0044
LAT/LON: 38.581892/-109.415003
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17296
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): ARCH_NURE_18 /1041186
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE RILL CREEK UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/78-06/25/78	1	14.9	14.9	14.9	14.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/78-06/25/78	1	610.	610.	610.	610.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/25/78-06/25/78	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/78-06/25/78	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/78-06/25/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/78-06/25/78	1	48.9	48.9	48.9	48.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/78-06/25/78	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/25/78-06/25/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/25/78-06/25/78	1	287.	287.	287.	287.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/25/78-06/25/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/25/78-06/25/78	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/25/78-06/25/78	1	779.	779.	779.	779.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/25/78-06/25/78	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/25/78-06/25/78	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/25/78-06/25/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/25/78-06/25/78	1	181.	181.	181.	181.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/25/78-06/25/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/25/78-06/25/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/25/78-06/25/78	1	34049.	34049.	34049.	34049.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0045

NPS Station ID: ARCH0045
LAT/LON: 38.583338/-109.588059
Agency: 1110NET
Date Created: / /
Location: COLO R AB MILL CK NR MOAB
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 09183210
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER SUB BASIN
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 1.130
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 140300050001903.19
RF3 Mile Point: 3.19
Distance from RF3: 0.04
On/Off RF3:
Description:
COLORADO RIVER ABOVE MILL CREEK NEAR MOAB COOPERATIVE EPA-USGS WATER QUALITY STATION ENTERED AS A EPA NET STATION FOR PURPOSE OF RECORDING: (1)DATA SAMPLED BY USGS BUT ANALYZED BY EPA LABORATORIES AND (2)THE FOLLOWING USGS FIELD DATA; FLOW, WATER TEMPERATURE, DO, PH, TOTAL COLIFORM AND FECAL COLIFORM.

Parameter Inventory for Station: ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/02/71-02/28/72	19	63.	421.632	3447.	5.	893771.579	945.395	18.	39.	304.	2672.
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	11/16/76-11/16/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/72-01/17/77	33 ##	2.5	3.394	10.	2.	3.277	1.81	2.2	2.5	4.	5.6
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/77-09/20/79	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/28/72-01/17/77	34 ##	5.	5.824	15.	2.5	8.286	2.879	2.5	5.	5.75	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/77-09/20/79	5 ##	5.	7.	10.	5.	7.5	2.739	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/28/72-12/17/76	33 ##	5.	6.773	30.	1.	30.314	5.506	2.5	3.75	10.	14.
01042	COPPER, TOTAL (UG/L AS CU)	01/17/77-09/20/79	6 ##	5.	4.167	5.	2.5	1.667	1.291	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/77-09/20/79	5	135.	2276.8	11000.	12.5	23787405.575	4877.233	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/72-01/17/77	34 ##	12.5	17.044	50.	5.	167.748	12.952	5.	10.	22.5	42.5
01049	LEAD, DISSOLVED (UG/L AS PB)	07/28/72-01/17/77	34 ##	12.5	19.029	60.	5.	202.802	14.241	5.5	12.5	30.	40.
01051	LEAD, TOTAL (UG/L AS PB)	04/29/77-09/20/79	5	40.	36.8	64.	15.	468.7	21.649	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/77-09/20/79	5	26.	91.6	396.	5.	29066.3	170.488	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/72-01/17/77	34 ##	5.	5.779	20.	2.	26.473	5.145	2.5	2.5	5.25	17.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	34 ##	2.5	11.5	85.	1.	448.742	21.184	2.5	2.5	5.25	46.5
01092	ZINC, TOTAL (UG/L AS ZN)	05/17/77-05/17/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	11/16/76-01/17/77	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
09501	RADIUM 226, TOTAL	07/24/79-06/25/81	22	9.	8.477	13.	3.	6.655	2.58	3.6	7.	10.25	11.7
09503	RADIUM 226, DISSOLVED	07/16/71-09/22/81	65	0.24	0.258	0.8	0.05	0.014	0.119	0.1	0.2	0.3	0.4
09505	RADIUM 226, SUSPENDED	07/16/71-09/22/81	46	0.365	2.249	29.75	0.01	22.774	4.772	0.067	0.128	2.9	6.51
09507	RADIUM 226 IN SEDIMENT (PC/G OF DRY SOLIDS)	10/23/80-02/26/81	5	5.4	7.94	20.	2.1	50.838	7.13	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	117	10.	10.644	25.	1.	23.553	4.853	4.58	7.75	13.75	17.76
22708	URANIUM, NATURAL TOTAL MG/L	04/05/77-06/09/77	3	24.	19.	26.	7.	109.	10.44	**	**	**	**
80027	INVALID PARAMETER	02/26/81-02/26/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**
80029	ALPHA GROSS TOTAL AS URANIUM NATURAL PC/L	10/23/80-06/25/81	8	7.5	8.	11.	6.	4.286	2.07	**	**	**	**
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	07/30/81-09/22/81	3	14.	16.333	24.	11.	46.333	6.807	**	**	**	**

** - 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: ARCH0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	32 &	9	0.28	8	3	0.38	17	5	0.29	5	0	0.00	2	1	0.50
		Drinking Water	5.	32 &	6	0.19	8	1	0.13	17	4	0.24	5	0	0.00	2	1	0.50
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	5.	5	0	0.00	3	0	0.00				2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	34	0	0.00	9	0	0.00	18	0	0.00	5	0	0.00	2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	3	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	33	1	0.03	9	0	0.00	17	0	0.00	5	0	0.00	2	1	0.50
		Drinking Water	1300.	33	0	0.00	9	0	0.00	17	0	0.00	5	0	0.00	2	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	34	0	0.00	9	0	0.00	18	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	15.	34	11	0.32	9	2	0.22	18	7	0.39	5	2	0.40	2	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	15.	3 &	3	1.00	1	1	1.00				2	2	1.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	34	0	0.00	12	0	0.00	15	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	5000.	34	0	0.00	12	0	0.00	15	0	0.00	5	0	0.00	2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
		Drinking Water	5000.	1	0	0.00							1	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00				3	0	0.00						
		Drinking Water	6.	3	0	0.00				3	0	0.00						
09501	RADIUM 226, TOTAL	Drinking Water	5.	22	20	0.91	7	7	1.00	10	10	1.00	3	2	0.67	2	1	0.50
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	65	0	0.00	20	0	0.00	29	0	0.00	10	0	0.00	6	0	0.00
09505	RADIUM 226, SUSPENDED	Drinking Water	5.	46	7	0.15	19	4	0.21	15	2	0.13	10	0	0.00	2	1	0.50
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	117	6	0.05	35	2	0.06	54	4	0.07	18	0	0.00	10	0	0.00
22708	URANIUM, NATURAL, TOTAL	Drinking Water	0.02	3	3	1.00							2	2	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

Annual Analysis for 1971 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	14	10.5	9.829	15.	2.2	14.871	3.856	3.1	7.525	13.	14.5

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

Annual Analysis for 1972 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	40	9.3	9.567	17.7	3.3	10.829	3.291	5.54	7.05	11.7	13.95

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

Annual Analysis for 1973 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	8	8.	9.25	15.	4.	13.357	3.655	**	**	**	**

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

Annual Analysis for 1974 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	10	10.	10.1	13.	6.	5.656	2.378	6.2	8.	12.25	13.

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

Annual Analysis for 1975 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	22	10.	9.227	20.	1.	30.946	5.563	1.3	4.5	13.25	17.7

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

Annual Analysis for 1976 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	17	17.	15.529	25.	4.	43.265	6.578	4.8	10.5	21.	23.4

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

Annual Analysis for 1977 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	3	16.	16.	18.	14.	4.	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 1981 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	3	11.	11.667	14.	10.	4.333	2.082	**	**	**	**

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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	12 ##	5.	10.542	68.	2.5	350.703	18.727	2.5	2.5	5.75	53.6
09503	RADIUM 226, DISSOLVED	07/16/71-09/22/81	20	0.3	0.3	0.8	0.05	0.032	0.18	0.055	0.193	0.4	0.5
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	35	12.	11.974	25.	4.	21.619	4.65	5.8	8.5	14.	18.

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	15 ##	2.5	9.1	85.	1.	448.043	21.167	1.	2.5	5.	41.2
09503	RADIUM 226, DISSOLVED	07/16/71-09/22/81	29	0.2	0.224	0.4	0.05	0.006	0.078	0.1	0.2	0.3	0.3
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	54	10.2	11.813	23.	2.2	20.054	4.478	6.35	8.875	14.25	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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	5 ##	2.5	10.1	25.	2.5	114.425	10.697	**	**	**	**
09503	RADIUM 226, DISSOLVED	07/16/71-09/22/81	10	0.3	0.276	0.32	0.2	0.002	0.045	0.2	0.23	0.3	0.318
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	18	7.5	7.283	14.	1.	13.339	3.652	1.9	4.	9.725	13.1

** - 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 #4: 6/01 to 7/14 - Station ARCH0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	2 ##	38.75	38.75	75.	2.5	2628.125	51.265	**	**	**	**
09503	RADIUM 226, DISSOLVED	07/16/71-09/22/81	6	0.22	0.257	0.4	0.2	0.006	0.08	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/16/71-09/22/81	10	5.5	5.72	14.	1.	13.995	3.741	1.1	2.75	7.075	13.51

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

Station Inventory for Station: ARCH0046

NPS Station ID: ARCH0046
LAT/LON: 38.583833/-109.588333
Agency: 21UTAH
Date Created: 04/15/95
Location: COLORADO R BL ATLAS MILL TAILINGS PILE
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495656
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/30/95-02/18/98	17	7.5	10.903	25.5	1.4	59.556	7.717	1.4	5.75	17.225	22.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/30/95-06/26/97	15	5200.	8652.667	33700.	1050.	85089192.381	9224.38	2358.	4400.	9200.	29560.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/30/95-02/18/98	13	22.8	64.818	449.	4.5	14490.41	120.376	4.7	6.165	54.	320.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/30/95-02/18/98	17	934.	849.235	1240.	307.	79340.941	281.675	314.2	595.5	1059.	1124.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/30/95-02/18/98	13	1002.	917.231	1138.	344.	50984.359	225.797	436.	842.	1049.	1113.2
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	03/30/95-02/18/98	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	03/30/95-02/18/98	17	8.8	9.174	12.1	7.3	2.146	1.465	7.38	7.845	10.45	11.412
00335	COD, .025N K2CR2O7 MG/L	11/15/95-11/15/95	1 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/30/95-02/18/98	13	8.28	8.202	8.53	7.8	0.045	0.212	7.88	8.035	8.375	8.494
00400	CONVERTED PH (STANDARD UNITS)	03/30/95-02/18/98	13	8.28	8.154	8.53	7.8	0.048	0.218	7.88	8.035	8.375	8.494
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/30/95-02/18/98	13	0.005	0.007	0.016	0.003	0.	0.004	0.003	0.004	0.009	0.014
00405	CARBON DIOXIDE (MG/L AS CO2)	03/30/95-02/18/98	13	1.	1.615	3.	1.	0.756	0.87	1.	1.	2.5	3.
00406	PH, FIELD, STANDARD UNITS SU	03/30/95-02/18/98	17	8.4	8.34	8.8	7.71	0.116	0.341	7.782	8.095	8.68	8.776
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/30/95-02/18/98	17	8.4	8.212	8.8	7.71	0.134	0.366	7.782	8.095	8.68	8.776
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/30/95-02/18/98	17	0.004	0.006	0.019	0.002	0.	0.005	0.002	0.002	0.008	0.017
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/30/95-02/18/98	13	138.	132.692	151.	76.	387.397	19.682	90.4	130.5	144.	149.8
00440	BICARBONATE ION (MG/L AS HCO3)	03/30/95-02/18/98	13	169.	161.923	184.	93.	575.41	23.988	110.2	159.5	176.	182.4
00445	CARBONATE ION (MG/L AS CO3)	03/30/95-02/18/98	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/30/95-02/18/98	13	44.4	132.954	820.	8.8	49328.248	222.1	11.28	19.2	125.6	615.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/15/95-02/18/98	11	0.158	0.242	0.91	0.025	0.061	0.247	0.031	0.075	0.326	0.804
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/15/95-06/26/97	9	0.6	0.646	1.893	0.208	0.257	0.507	0.208	0.309	0.725	1.893
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/15/95-06/26/97	9	0.46	0.46	0.75	0.17	0.039	0.198	0.17	0.29	0.645	0.75
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/14/98-02/18/98	2	1.155	1.155	1.8	0.51	0.832	0.912	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/15/95-02/18/98	9	0.05	0.104	0.411	0.008	0.016	0.126	0.008	0.02	0.137	0.411
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	01/14/98-02/18/98	2	0.011	0.011	0.012	0.01	0.	0.001	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	11/15/95-11/15/95	1	2.72	2.72	2.72	2.72	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/30/95-02/18/98	17	287.5	270.094	438.	114.8	7604.019	87.201	126.24	196.	304.15	419.04
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/30/95-02/18/98	17	73.2	70.159	117.	32.	492.483	22.192	35.6	53.	78.5	111.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/30/95-02/18/98	17	25.	23.102	35.5	8.5	65.313	8.082	9.092	15.5	28.4	34.3
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/30/95-02/18/98	13	100.	86.385	120.	18.8	838.741	28.961	27.64	73.7	105.	115.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/30/95-02/18/98	13	3.82	3.67	5.2	1.42	0.994	0.997	1.812	3.265	4.4	4.968
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/30/95-02/18/98	13	99.	88.385	123.	16.	1081.59	32.888	24.	67.	113.5	120.2
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/30/95-02/18/98	13	210.2	201.891	284.6	56.86	3873.505	62.237	76.836	176.82	244.6	272.76
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/15/95-02/18/98	10	0.316	0.318	0.413	0.219	0.003	0.058	0.222	0.282	0.358	0.409
01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/15/95-02/18/98	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	05/11/95-02/13/97	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	11/15/95-02/18/98	11	56.	63.909	140.	39.	739.491	27.194	41.	51.	63.	128.
01007	BARIUM, TOTAL (UG/L AS BA)	05/11/95-02/13/97	5	88.	78.2	96.	47.	432.7	20.801	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: ARCH0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/07/95-02/18/98	9 ##	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)	09/21/95-02/13/97	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	11/15/95-02/18/98	11 ##	0.5	0.636	2.	0.5	0.205	0.452	0.5	0.5	0.5	1.7
01027	CADMIUM, TOTAL (UG/L AS CD)	05/11/95-02/13/97	5 ##	0.5	0.6	1.	0.5	0.05	0.224	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	11/15/95-02/18/98	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/11/95-02/13/97	5 ##	2.5	3.	5.	2.5	1.25	1.118	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	11/15/95-02/18/98	11 ##	6.	6.545	12.	6.	3.273	1.809	6.	6.	6.	10.8
01042	COPPER, TOTAL (UG/L AS CU)	05/11/95-02/13/97	5 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/15/95-02/18/98	11	22.	363.318	3630.	10.	1175975.322	1084.424	10.	10.	53.	2938.
01049	LEAD, DISSOLVED (UG/L AS PB)	11/15/95-02/18/98	11 ##	1.5	2.109	8.2	1.5	4.081	2.02	1.5	1.5	1.5	6.86
01051	LEAD, TOTAL (UG/L AS PB)	05/11/95-02/13/97	5	3.	5.	13.	1.5	23.375	4.835	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/11/95-02/13/97	5	39.	55.7	120.	2.5	2444.95	49.446	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/15/95-02/18/98	11	20.	38.064	160.	2.5	2301.705	47.976	3.04	10.	43.	147.
01057	THALLIUM, DISSOLVED (UG/L AS TL)	12/07/95-02/18/98	9 ##	0.5	0.944	2.5	0.5	0.778	0.882	0.5	0.5	1.5	2.5
01059	THALLIUM, TOTAL (UG/L AS TL)	09/21/95-02/13/97	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/07/95-02/18/98	9	6.	9.433	33.	4.	81.587	9.033	4.	5.15	9.35	33.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/21/95-02/13/97	2	4.915	4.915	5.83	4.	1.674	1.294	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	12/07/95-02/18/98	10 ##	5.	10.7	62.	5.	324.9	18.025	5.	5.	5.	56.3
01067	NICKEL, TOTAL (UG/L AS NI)	09/21/95-02/13/97	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	11/15/95-02/18/98	11 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01077	SILVER, TOTAL (UG/L AS AG)	05/11/95-02/13/97	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	12/07/95-02/18/98	9 ##	15.	17.222	20.	15.	6.944	2.635	15.	15.	20.	20.
01087	VANADIUM, TOTAL (UG/L AS V)	09/21/95-02/13/97	2 ##	10.75	10.75	20.	1.5	171.125	13.081	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/15/95-02/18/98	10 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01092	ZINC, TOTAL (UG/L AS ZN)	05/11/95-02/13/97	5 ##	15.	24.2	61.	15.	423.2	20.572	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	12/07/95-02/18/98	9 ##	1.5	1.333	1.5	0.	0.25	0.5	0.	1.5	1.5	1.5
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/21/95-02/13/97	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	05/11/95-02/13/97	5	1800.	2076.6	4800.	103.	4252917.8	2062.26	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/15/95-02/18/98	9 ##	15.	363.667	3070.	15.	1030432.25	1015.102	15.	15.	56.5	3070.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/15/95-02/18/98	11	3.	3.	5.8	1.1	1.52	1.233	1.28	2.	3.8	5.42
01147	SELENIUM, TOTAL (UG/L AS SE)	05/11/95-02/13/97	5	2.	2.2	4.	0.5	1.575	1.255	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/30/95-03/30/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01501	ALPHA, TOTAL	03/30/95-02/18/98	16	6.5	7.646	22.	1.	28.771	5.364	1.	4.775	10.483	16.75
03501	BETA, TOTAL	03/30/95-02/18/98	16 ##	5.	7.456	17.	5.	16.595	4.074	5.	5.	10.75	15.67
09501	RADIUM 226, TOTAL	03/30/95-02/18/98	16 ##	0.25	0.572	2.	0.25	0.329	0.574	0.25	0.25	0.7	1.65
11501	RADIUM 228, TOTAL	03/30/95-02/18/98	16 ##	0.5	0.91	2.5	0.5	0.369	0.607	0.5	0.5	1.195	2.15
28012	URANIUM,NATURAL,TOTAL PCI/L AS U	03/30/95-02/18/98	14	5.15	6.381	23.	1.	28.794	5.366	1.15	3.625	8.175	15.795
61027	ANIONS, SUM, TOTAL IN WATER MG/L	03/30/95-02/18/98	17	365.	282.941	474.	0.	34085.184	184.622	0.	59.5	435.	454.8
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	03/30/95-02/18/98	17	185.	162.235	261.	41.	4590.316	67.752	61.	88.	210.	243.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/30/95-02/18/98	13	616.	577.538	826.	210.	24357.436	156.069	264.4	526.	661.	770.8
71890	MERCURY, DISSOLVED (UG/L AS HG)	11/15/95-02/18/98	10 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	05/11/95-02/13/97	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	05/11/95-02/13/97	5	0.69	1.082	2.2	0.16	0.991	0.996	**	**	**	**
82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1	780.	780.	780.	780.	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/30/95-03/30/95	1	0.078	0.078	0.078	0.078	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/30/95-03/30/95	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1	81.	81.	81.	81.	0.	0.	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/30/95-03/30/95	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	13	4	0.31	2	0	0.00	9	3	0.33	1	1	1.00	1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	17	0	0.00	4	0	0.00	9	0	0.00	2	0	0.00	2	0	0.00
00400	PH	Fresh Chronic	9.	13	0	0.00	2	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	13	0	0.00	2	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	17	0	0.00	4	0	0.00	9	0	0.00	2	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	4	0	0.00	9	0	0.00	2	0	0.00	2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	13	0	0.00	2	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	250.	13	0	0.00	2	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	13	2	0.15	2	1	0.50	9	1	0.11	1	0	0.00	1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	10	0	0.00	1	0	0.00	8	0	0.00				1	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
		Drinking Water	50.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	9	0	0.00	1	0	0.00	7	0	0.00				1	0	0.00
		Drinking Water	4.	9	0	0.00	1	0	0.00	7	0	0.00				1	0	0.00
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
		Drinking Water	5.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	5.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
		Drinking Water	1300.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1300.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
		Drinking Water	15.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	15.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	9	0	0.00	1	0	0.00	7	0	0.00				1	0	0.00
		Drinking Water	2.	7 &	0	0.00	1	0	0.00	5	0	0.00				1	0	0.00
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	2	0	0.00	7	0	0.00				1	0	0.00
		Drinking Water	100.	10	0	0.00	2	0	0.00	7	0	0.00				1	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
		Drinking Water	100.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	0	0.00	1	0	0.00	8	0	0.00				1	0	0.00
		Drinking Water	5000.	10	0	0.00	1	0	0.00	8	0	0.00				1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	5000.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	9	0	0.00	1	0	0.00	7	0	0.00				1	0	0.00
		Drinking Water	6.	9	0	0.00	1	0	0.00	7	0	0.00				1	0	0.00
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	6.	2	0	0.00	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	11	0	0.00	2	0	0.00	8	0	0.00				1	0	0.00
		Drinking Water	50.	11	0	0.00	2	0	0.00	8	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: ARCH0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
09501	RADIUM 226, TOTAL	Drinking Water	5.	16	0	0.00	4	0	0.00	9	0	0.00	1	0	0.00	2	0	0.00
11501	RADIUM 228, TOTAL	Drinking Water	5.	16	0	0.00	4	0	0.00	9	0	0.00	1	0	0.00	2	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	10	0	0.00	1	0	0.00	8	0	0.00				1	0	0.00
		Drinking Water	2.	10	0	0.00	1	0	0.00	8	0	0.00				1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	2.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	1	0	0.00				1	0	0.00						
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	1	0	0.00				1	0	0.00						
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	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: ARCH0047

NPS Station ID: ARCH0047 | LAT/LON: 38.584171/-109.536227 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-2 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): ARCH_LANL_SF2
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-2 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/89-10/16/89	2	18.5	18.5	19.5	17.5	2.	1.414	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/05/89-10/16/89	2	7.905	7.905	8.2	7.61	0.174	0.417	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/05/89-10/16/89	2	7.812	7.812	8.2	7.61	0.191	0.438	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/05/89-10/16/89	2	0.015	0.015	0.025	0.006	0.	0.013	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/05/89-10/16/89	2	56.	56.	73.	39.	578.	24.042	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/89-10/16/89	2	8.	8.	8.5	7.5	0.5	0.707	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/89-10/16/89	2	0.7	0.7	0.8	0.6	0.02	0.141	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/05/89-10/16/89	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/05/89-10/16/89	2	1.1	1.1	1.2	1.	0.02	0.141	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/05/89-10/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/05/89-10/16/89	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/05/89-10/16/89	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	10/05/89-10/16/89	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/05/89-10/16/89	2 ##	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: ARCH0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	10/05/89-10/16/89	2 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/89-10/16/89	2	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	2	0.065	0.065	0.07	0.06	0.	0.007	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	10/05/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	10/05/89-10/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	10/05/89-10/16/89	2 ##	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: ARCH0047

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	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

EPA Water Quality Criteria Analysis for Station: ARCH0047

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	0	0.00	1	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	6.	2	0	0.00	1	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0048

NPS Station ID: ARCH0048
LAT/LON: 38.584198/-109.536781
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-8
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_SF8
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-8 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	3	0.05	0.05	0.1	0.	0.003	0.05	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	6	20.45	21.2	24.6	19.4	4.268	2.066	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-01/12/89	4	40.	42.5	78.	12.	830.333	28.816	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	6	7.39	7.972	9.61	6.91	1.32	1.149	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-10/16/89	6	7.389	7.367	9.61	6.91	1.76	1.327	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-10/16/89	6	0.041	0.043	0.123	0.	0.002	0.045	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	6	21.	24.167	39.	17.	75.367	8.681	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-10/16/89	7 ##	0.1	0.171	0.6	0.1	0.036	0.189	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	7	10.5	9.7	17.5	0.2	39.517	6.286	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	3 ##	400.	400.	400.	400.	0.	0.	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	3	1030.	1190.	1700.	840.	204100.	451.774	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-10/16/89	7	0.6	0.557	0.8	0.1	0.053	0.23	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-10/16/89	7	0.5	0.446	0.8	0.12	0.051	0.225	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	3	770.	773.333	810.	740.	1233.333	35.119	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	7	0.6	0.577	0.98	0.36	0.041	0.203	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-10/16/89	7	0.7	0.657	1.	0.3	0.07	0.264	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-10/16/89	7	7.	5.771	8.	0.4	7.499	2.738	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-10/16/89	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-10/16/89	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	3	2.7	2.567	2.7	2.3	0.053	0.231	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-10/16/89	7 ##	25.	28.714	100.	0.5	1121.488	33.489	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	3	293.	299.	320.	284.	351.	18.735	**	**	**	**

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

Parameter Inventory for Station: ARCH0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-10/16/89	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-10/16/89	7 ##	25.	35.714	50.	25.	178.571	13.363	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	3	10.4	10.5	11.1	10.	0.31	0.557	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-10/16/89	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	3	1.43	1.43	1.44	1.42	0.	0.01	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-10/16/89	7 ##	0.5	18.214	100.	0.5	1383.988	37.202	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	3 ##	35.	36.667	40.	35.	8.333	2.887	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-10/16/89	7 ##	250.	312.857	1000.	50.	103823.81	322.217	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	3	63.	52.667	66.	29.	422.333	20.551	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	7	50.	50.857	100.	6.	738.476	27.175	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	3	1.1	4.	10.	0.9	27.01	5.197	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-10/16/89	7 ##	0.5	18.214	100.	0.5	1383.988	37.202	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	3 ##	0.5	0.533	0.65	0.45	0.011	0.104	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-10/16/89	7	100.	77.	150.	0.5	3123.583	55.889	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	3 ##	40.	40.	45.	35.	25.	5.	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	3	8.5	8.033	8.9	6.7	1.373	1.172	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	3	21.	15.167	23.	1.5	141.083	11.878	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	3	1.02	1.017	1.03	1.	0.	0.015	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-10/16/89	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-10/16/89	7 ##	5.	11.429	50.	5.	289.286	17.008	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	3	0.8	0.833	1.1	0.6	0.063	0.252	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	3	800.	700.	810.	490.	33100.	181.934	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	3	0.55	0.573	0.67	0.5	0.008	0.087	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	3	130.	150.	210.	110.	2800.	52.915	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	3	5.5	5.5	5.7	5.3	0.04	0.2	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	3	1.21	1.21	1.32	1.1	0.012	0.11	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	3	1.94	1.847	2.04	1.56	0.064	0.253	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	3	0.4	0.393	0.41	0.37	0.	0.021	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	3	1.51	1.55	1.65	1.49	0.008	0.087	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-10/16/89	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3	0.63	0.61	0.72	0.48	0.015	0.121	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3 ##	15.	18.	24.	15.	27.	5.196	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3	1.22	1.233	1.35	1.13	0.012	0.111	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3	11.7	11.5	12.1	10.7	0.52	0.721	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3	0.27	0.263	0.28	0.24	0.	0.021	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3	3.3	2.767	3.5	1.5	1.213	1.102	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	3 ##	25.	26.667	30.	25.	8.333	2.887	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3	3.32	3.327	3.78	2.88	0.203	0.45	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3 ##	2.	2.167	2.5	2.	0.083	0.289	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3	4.8	4.667	5.1	4.1	0.263	0.513	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	3	92.	91.667	93.	90.	2.333	1.528	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	3	47.	47.333	49.	46.	2.333	1.528	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	3	122.	121.	140.	101.	381.	19.519	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-10/16/89	7 ##	0.001	0.002	0.01	0.001	0.	0.004	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-10/16/89	7 ##	0.05	0.053	0.07	0.05	0.	0.008	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	3 ##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	3	1.39	1.383	1.44	1.32	0.004	0.06	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-10/16/89	7 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	3 ##	0.002	0.001	0.002	0.001	0.	0.	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	3	590.	626.667	730.	560.	8233.333	90.738	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	3	1670.	1636.667	1690.	1550.	5733.333	75.719	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-10/16/89	7	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	3	158.	156.	170.	140.	228.	15.1	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	3	0.89	0.913	1.01	0.84	0.008	0.087	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	3	0.92	0.977	1.11	0.9	0.013	0.116	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	6	2	0.33	5	2	0.40	1	0	0.00						
		Other-Lo Lim.	6.5	6	0	0.00	5	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	5	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	250.	7	0	0.00	5	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	5	0	0.00	2	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	7	0	0.00	5	0	0.00	2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	50.	7	0	0.00	5	0	0.00	2	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	7	0	0.00	5	0	0.00	2	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	5.	7	0	0.00	5	0	0.00	2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	5	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	6 &	1	0.17	4	1	0.25	2	0	0.00						
		Drinking Water	1300.	7	0	0.00	5	0	0.00	2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	15.	7	0	0.00	5	0	0.00	2	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	100.	7	1	0.14	5	1	0.20	2	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	100.	7	0	0.00	5	0	0.00	2	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	6.	7	0	0.00	5	0	0.00	2	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	7	1	0.14	5	1	0.20	2	0	0.00						
		Drinking Water	50.	7	1	0.14	5	1	0.20	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	2.	7	0	0.00	5	0	0.00	2	0	0.00						

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

Station Inventory for Station: ARCH0049

NPS Station ID: ARCH0049
LAT/LON: 38.584448/-109.536948
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-12A
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_SF12A
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-12A IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-09/25/88	2	217.5	217.5	310.	125.	17112.5	130.815	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-09/25/88	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/25/88-09/25/88	1	20.8	20.8	20.8	20.8	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/88-09/25/88	2	1.45	1.45	1.9	1.	0.405	0.636	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-09/25/88	2 ##	0.625	0.625	1.2	0.05	0.661	0.813	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/25/88-09/25/88	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-09/25/88	2	4.5	4.5	7.	2.	12.5	3.536	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-09/25/88	2	33.5	33.5	52.	15.	684.5	26.163	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-09/25/88	2	0.45	0.45	0.7	0.2	0.125	0.354	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-09/25/88	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-09/25/88	2 ##	112.5	112.5	200.	25.	15312.5	123.744	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-09/25/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	07/28/88-09/25/88	2	29.	29.	48.	10.	722.	26.87	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-09/25/88	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-09/25/88	2 ##	12.75	12.75	25.	0.5	300.125	17.324	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/88-09/25/88	2 ##	525.	525.	1000.	50.	451250.	671.751	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/25/88-09/25/88	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-09/25/88	2 ##	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: ARCH0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-09/25/88	2 ##	17.5	17.5	25.	10.	112.5	10.607	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-09/25/88	2	393.	393.	500.	286.	22898.	151.321	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-07/28/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-09/25/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-09/25/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-09/25/88	2 ##	500.25	500.25	1000.	0.5	499500.125	706.753	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-09/25/88	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-09/25/88	2 ##	0.005	0.005	0.01	0.001	0.	0.007	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-09/25/88	2 ##	0.1	0.1	0.15	0.05	0.005	0.071	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-09/25/88	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-09/25/88	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-09/25/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-09/25/88	2 ##	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: ARCH0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	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									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	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.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	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: ARCH0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	0	0.00	1	0	0.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
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									
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	2	0	0.00									
		Drinking Water	6.	2	0	0.00	2	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: ARCH0050

NPS Station ID: ARCH0050 | LAT/LON: 38.584504/-109.537003 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-13 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): ARCH_LANL_SF13
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-13 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	7	22.4	23.114	34.6	14.4	38.695	6.221	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-01/12/89	4	113.5	109.75	192.	20.	6857.583	82.811	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	7	7.89	8.087	9.4	7.1	0.782	0.884	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-10/16/89	7	7.89	7.587	9.4	7.1	1.074	1.036	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-10/16/89	7	0.013	0.026	0.079	0.	0.001	0.03	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	7	34.	38.429	73.	17.	393.952	19.848	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-10/16/89	7 ##	0.1	0.143	0.4	0.1	0.013	0.113	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	6	16.5	17.65	34.	0.3	155.423	12.467	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	2200.	2200.	3900.	500.	5780000.	2404.163	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	2430.	2430.	3500.	1360.	2289800.	1513.209	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/88-10/16/89	7	1.4	1.231	2.	0.02	0.441	0.664	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-10/16/89	7 ##	0.05	0.457	2.	0.05	0.508	0.713	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1495.	1495.	1910.	1080.	344450.	586.899	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	6	0.805	1.035	2.1	0.7	0.294	0.542	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-10/16/89	7	2.	2.214	3.	0.5	0.821	0.906	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-10/16/89	7	14.	11.071	16.	0.5	34.869	5.905	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-10/16/89	7	0.5	0.357	0.5	0.1	0.036	0.19	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-10/16/89	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	5.85	5.85	8.5	3.2	14.045	3.748	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-10/16/89	7	100.	79.929	100.	0.5	1460.202	38.213	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	359.5	359.5	380.	339.	840.5	28.991	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-10/16/89	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	07/28/88-10/16/89	7 ##	50.	45.	55.	10.	241.667	15.546	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	18.05	18.05	22.5	13.6	39.605	6.293	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-10/16/89	7 ##	5.	6.429	10.	5.	5.952	2.44	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	2.925	2.925	4.4	1.45	4.351	2.086	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-10/16/89	7 ##	0.5	14.714	100.	0.5	1414.321	37.607	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	67.5	67.5	95.	40.	1512.5	38.891	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/88-10/16/89	7	1100.	1458.571	5000.	50.	2683347.619	1638.093	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-10/16/89	7 ##	0.5	1.143	5.	0.5	2.893	1.701	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	517.	517.	980.	54.	428738.	654.781	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	6	50.	221.75	1000.	0.5	148972.375	385.969	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2	3.9	3.9	6.	1.8	8.82	2.97	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-10/16/89	7 ##	5.	18.	100.	0.5	1317.917	36.303	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.75	0.75	0.85	0.65	0.02	0.141	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-10/16/89	7	190.	189.929	500.	0.5	24358.536	156.072	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	70.	70.	100.	40.	1800.	42.426	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	19.45	19.45	27.	11.9	114.005	10.677	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	34.5	34.5	47.	22.	312.5	17.678	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.415	1.415	1.8	1.03	0.296	0.544	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-10/16/89	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-10/16/89	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-10/16/89	7 ##	5.	11.429	50.	5.	289.286	17.008	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.3	1.3	1.6	1.	0.18	0.424	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1295.	1295.	1400.	1190.	22050.	148.492	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.625	0.625	0.7	0.55	0.011	0.106	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	180.	180.	180.	180.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	10.5	10.5	14.6	6.4	33.62	5.798	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-10/16/89	7 ##	0.5	143.286	1000.	0.5	142714.321	377.775	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	1.78	1.78	2.22	1.34	0.387	0.622	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.815	2.815	3.39	2.24	0.661	0.813	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.75	0.75	1.07	0.43	0.205	0.453	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.115	2.115	2.33	1.9	0.092	0.304	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-10/16/89	7 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.825	2.825	4.5	1.15	5.611	2.369	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	28.	28.	30.	26.	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: ARCH0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.97	1.97	2.55	1.39	0.673	0.82	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	21.15	21.15	28.5	13.8	108.045	10.394	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.51	0.51	0.7	0.32	0.072	0.269	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.6	4.6	7.2	2.	13.52	3.677	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	57.5	57.5	80.	35.	1012.5	31.82	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.8	4.8	5.1	4.5	0.18	0.424	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.5	4.5	7.	2.	12.5	3.536	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	10.35	10.35	13.	7.7	14.045	3.748	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	160.	160.	197.	123.	2738.	52.326	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	58.	58.	63.	53.	50.	7.071	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	246.5	246.5	350.	143.	21424.5	146.371	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	7 ##	0.001	0.003	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	7 ##	0.05	0.054	0.08	0.05	0.	0.011	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	2.7	2.7	3.8	1.6	2.42	1.556	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-10/16/89	7 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1040.	1040.	1370.	710.	217800.	466.69	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	2920.	2920.	3900.	1940.	1920800.	1385.929	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-10/16/89	7	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	295.	295.	360.	230.	8450.	91.924	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	2.145	2.145	3.27	1.02	2.531	1.591	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-10/16/89	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.715	1.715	2.1	1.33	0.296	0.544	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	7	1	0.14	6	1	0.17	1	0	0.00						
		Other-Lo Lim.	6.5	7	0	0.00	6	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	5	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	250.	7	0	0.00	5	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	5	0	0.00	2	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	7	0	0.00	5	0	0.00	2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	50.	7	0	0.00	5	0	0.00	2	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	7	0	0.00	5	0	0.00	2	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	5.	7	0	0.00	5	0	0.00	2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	5	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14	5	1	0.20	2	0	0.00						
		Drinking Water	1300.	7	0	0.00	5	0	0.00	2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	15.	7	0	0.00	5	0	0.00	2	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	100.	7	1	0.14	5	1	0.20	2	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	100.	7	0	0.00	5	0	0.00	2	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	6.	7	0	0.00	5	0	0.00	2	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	7	1	0.14	5	1	0.20	2	0	0.00						
		Drinking Water	50.	7	1	0.14	5	1	0.20	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	5	0	0.00	2	0	0.00						
		Drinking Water	2.	7	0	0.00	5	0	0.00	2	0	0.00						

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

Station Inventory for Station: ARCH0051

NPS Station ID: ARCH0051 | LAT/LON: 38.584448/-109.536892 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-12B | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): ARCH_LANL_SF12B
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-12B IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	7	22.6	22.3	30.3	14.3	25.11	5.011	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-01/12/89	5	134.	123.4	210.	15.	6968.8	83.479	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	7	7.84	7.809	9.16	6.98	0.514	0.717	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-10/16/89	7	7.84	7.474	9.16	6.98	0.645	0.803	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-10/16/89	7	0.014	0.034	0.105	0.001	0.001	0.037	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	7	30.	38.571	77.	21.	438.286	20.935	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-10/16/89	8 ##	0.1	0.163	0.6	0.1	0.031	0.177	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	7	24.	20.931	33.	0.015	143.764	11.99	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	1900.	1900.	3300.	500.	3920000.	1979.899	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	2560.	2560.	3700.	1420.	2599200.	1612.203	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/88-10/16/89	8	1.35	1.84	5.	0.02	2.332	1.527	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-10/16/89	8	1.4	1.071	1.8	0.02	0.553	0.744	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1510.	1510.	1970.	1050.	423200.	650.538	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	7	0.8	1.064	2.8	0.045	0.771	0.878	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-10/16/89	8	2.5	2.175	3.	0.4	1.045	1.022	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-10/16/89	8	17.	14.4	20.	0.2	50.023	7.073	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-10/16/89	8	0.3	0.288	0.6	0.1	0.024	0.155	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-10/16/89	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	6.	6.	8.6	3.4	13.52	3.677	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-10/16/89	8 ##	50.	109.063	500.	0.5	26096.746	161.545	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	350.	350.	360.	340.	200.	14.142	**	**	**	**

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

Parameter Inventory for Station: ARCH0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-10/16/89	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	07/28/88-10/16/89	8 ##	50.	42.375	54.	10.	253.696	15.928	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	20.95	20.95	27.5	14.4	85.805	9.263	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-10/16/89	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	3.71	3.71	5.3	2.12	5.056	2.249	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-10/16/89	8 ##	25.	26.375	100.	0.5	1005.054	31.703	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	57.5	57.5	75.	40.	612.5	24.749	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/88-10/16/89	8	1950.	2043.75	5000.	50.	3967455.357	1991.847	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-10/16/89	8 ##	0.5	1.063	5.	0.5	2.531	1.591	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	251.	251.	450.	52.	79202.	281.428	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	7	50.	179.643	1000.	0.5	131224.726	362.25	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	8.	8.	10.	6.	8.	2.828	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-10/16/89	8 ##	25.	91.188	474.	0.5	25004.281	158.127	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.775	0.775	1.	0.55	0.101	0.318	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-10/16/89	8	290.	280.813	500.	0.5	31918.71	178.658	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	72.5	72.5	100.	45.	1512.5	38.891	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	22.5	22.5	32.8	12.2	212.18	14.566	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	47.5	47.5	60.	35.	312.5	17.678	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.545	1.545	1.86	1.23	0.198	0.445	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-10/16/89	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-10/16/89	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-10/16/89	8 ##	5.	10.625	50.	5.	253.125	15.91	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.25	1.25	1.4	1.1	0.045	0.212	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1200.	1200.	1600.	800.	320000.	565.685	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2	0.89	0.89	1.1	0.68	0.088	0.297	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	210.	210.	260.	160.	5000.	70.711	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	11.7	11.7	16.	7.4	36.98	6.081	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-10/16/89	8 ##	0.5	125.438	1000.	0.5	124875.031	353.377	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	2.39	2.39	3.16	1.62	1.186	1.089	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	3.	3.	4.01	1.99	2.04	1.428	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.92	0.92	1.31	0.53	0.304	0.552	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.1	2.1	2.35	1.85	0.125	0.354	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-10/16/89	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	5.115	5.115	8.6	1.63	24.29	4.929	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	26.5	26.5	28.	25.	4.5	2.121	**	**	**	**

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

Parameter Inventory for Station: ARCH0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.255	2.255	2.9	1.61	0.832	0.912	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	25.3	25.3	35.	15.6	188.18	13.718	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.545	0.545	0.73	0.36	0.068	0.262	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	5.75	5.75	7.8	3.7	8.405	2.899	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	47.5	47.5	60.	35.	312.5	17.678	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.9	4.9	5.6	4.2	0.98	0.99	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.25	4.25	6.	2.5	6.125	2.475	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	12.45	12.45	16.	8.9	25.205	5.02	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	173.	173.	211.	135.	2888.	53.74	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	65.5	65.5	74.	57.	144.5	12.021	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	310.	310.	420.	200.	24200.	155.563	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	8 ##	0.001	0.007	0.03	0.001	0.	0.01	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	8 ##	0.05	0.081	0.26	0.05	0.005	0.074	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	3.365	3.365	4.7	2.03	3.564	1.888	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-10/16/89	8 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1215.	1215.	1490.	940.	151250.	388.909	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	3420.	3420.	4680.	2160.	3175200.	1781.909	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-10/16/89	8	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	300.	300.	370.	230.	9800.	98.995	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	2.37	2.37	3.43	1.31	2.247	1.499	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.965	1.965	2.4	1.53	0.378	0.615	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	7	1	0.14	6	1	0.17	1	0	0.00						
		Other-Lo Lim.	6.5	7	0	0.00	6	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	6	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	250.	8	0	0.00	6	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	6	0	0.00	2	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	8	0	0.00	6	0	0.00	2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	50.	8	0	0.00	6	0	0.00	2	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	6	0	0.00	2	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	5.	8	0	0.00	6	0	0.00	2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	6	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	4 &	1	0.25	3	1	0.33	1	0	0.00						
		Drinking Water	1300.	8	0	0.00	6	0	0.00	2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	15.	8	0	0.00	6	0	0.00	2	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	100.	8	2	0.25	6	2	0.33	2	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	100.	8	0	0.00	6	0	0.00	2	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	6.	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: ARCH0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	1	0.13	6	1	0.17	2	0	0.00						
		Drinking Water	50.	8	1	0.13	6	1	0.17	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	2.	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

Station Inventory for Station: ARCH0052

NPS Station ID: ARCH0052
LAT/LON: 38.584392/-109.536643
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-9B
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_SF9B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-9B IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-07/28/88	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-07/28/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-07/28/88	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-07/28/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-07/28/88	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-07/28/88	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-07/28/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-07/28/88	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-07/28/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	07/28/88-07/28/88	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-07/28/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-07/28/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/88-07/28/88	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/28/88-07/28/88	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-07/28/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-07/28/88	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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Parameter Inventory for Station: ARCH0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-07/28/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-07/28/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-07/28/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-07/28/88	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-07/28/88	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-07/28/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-07/28/88	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-07/28/88	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-07/28/88	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-07/28/88	1	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-07/28/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-07/28/88	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: ARCH0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	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									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	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: ARCH0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	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									
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: ARCH0053

NPS Station ID: ARCH0053
LAT/LON: 38.584309/-109.536753
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-9A
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_SF9A
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-9A IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/89-10/16/89	2	18.8	18.8	19.	18.6	0.08	0.283	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/05/89-10/16/89	2	7.39	7.39	7.4	7.38	0.	0.014	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/05/89-10/16/89	2	7.39	7.39	7.4	7.38	0.	0.014	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/05/89-10/16/89	2	0.041	0.041	0.042	0.04	0.	0.001	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/05/89-10/16/89	2	30.	30.	39.	21.	162.	12.728	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/89-10/16/89	2	16.	16.	17.5	14.5	4.5	2.121	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/89-10/16/89	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/05/89-10/16/89	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/05/89-10/16/89	2	1.15	1.15	1.2	1.1	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/05/89-10/16/89	2	0.9	0.9	1.	0.8	0.02	0.141	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/05/89-10/16/89	2	9.	9.	9.	9.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/05/89-10/16/89	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	10/05/89-10/16/89	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/05/89-10/16/89	2 ##	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: ARCH0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	10/05/89-10/16/89	2 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/89-10/16/89	2	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	10/05/89-10/16/89	2	200.	200.	200.	200.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	10/05/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	10/05/89-10/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	10/05/89-10/16/89	2 ##	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: ARCH0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	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

EPA Water Quality Criteria Analysis for Station: ARCH0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	0	0.00	1	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	6.	2	0	0.00	1	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0054

NPS Station ID: ARCH0054
LAT/LON: 38.584476/-109.536698
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-10B
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_SF10B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-10B IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	6	20.3	21.467	33.2	14.4	46.503	6.819	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/88-01/12/89	5	129.	120.	245.	4.	9131.	95.556	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	6	7.375	7.807	9.06	6.83	0.864	0.93	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-10/16/89	6	7.373	7.325	9.06	6.83	1.143	1.069	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-10/16/89	6	0.042	0.047	0.148	0.001	0.003	0.054	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	6	25.5	38.333	81.	21.	620.667	24.913	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/28/88-10/16/89	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	7	20.	18.686	32.	0.4	125.438	11.2	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	1575.	1575.	2700.	450.	2531250.	1590.99	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	2625.	2625.	3400.	1850.	1201250.	1096.016	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/88-10/16/89	8	1.85	1.613	2.6	0.2	0.53	0.728	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/28/88-10/16/89	8	1.35	0.996	1.6	0.02	0.448	0.669	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1525.	1525.	1930.	1120.	328050.	572.756	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	7	0.8	1.	2.4	0.2	0.517	0.719	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/28/88-10/16/89	8	2.	2.175	4.	0.4	1.331	1.154	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/28/88-10/16/89	8	9.	11.025	23.	0.2	55.662	7.461	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/28/88-10/16/89	8	0.35	0.338	0.5	0.1	0.028	0.169	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/28/88-10/16/89	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	6.1	6.1	8.8	3.4	14.58	3.818	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	07/28/88-10/16/89	8	100.	80.063	120.	0.5	1522.603	39.021	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	350.	350.	380.	320.	1800.	42.426	**	**	**	**

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

Parameter Inventory for Station: ARCH0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/28/88-10/16/89	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	07/28/88-10/16/89	8 ##	50.	45.25	57.	10.	213.357	14.607	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	17.8	17.8	22.3	13.3	40.5	6.364	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/28/88-10/16/89	8 ##	5.	5.625	10.	5.	3.125	1.768	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	2.935	2.935	4.1	1.77	2.714	1.648	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/28/88-10/16/89	8 ##	25.	26.375	100.	0.5	1005.054	31.703	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	62.5	62.5	80.	45.	612.5	24.749	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/28/88-10/16/89	8	540.	516.25	1000.	50.	145112.5	380.936	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/28/88-10/16/89	8 ##	0.5	1.688	10.	0.5	11.281	3.359	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	311.5	311.5	580.	43.	144184.5	379.716	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	7	61.	187.357	1000.	0.5	128983.726	359.143	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	15.5	15.5	16.	15.	0.5	0.707	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/28/88-10/16/89	8 ##	25.	103.875	630.	0.5	46154.339	214.836	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.8	0.8	0.85	0.75	0.005	0.071	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	07/28/88-10/16/89	8	135.	178.313	500.	0.5	22124.781	148.744	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	70.	70.	100.	40.	1800.	42.426	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	19.85	19.85	27.7	12.	123.245	11.102	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	36.	36.	46.	26.	200.	14.142	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.45	1.45	1.79	1.11	0.231	0.481	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/28/88-10/16/89	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	07/28/88-10/16/89	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/28/88-10/16/89	8 ##	5.	10.625	50.	5.	253.125	15.91	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.2	1.2	1.7	0.7	0.5	0.707	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1315.	1315.	1500.	1130.	68450.	261.63	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2	0.735	0.735	1.1	0.37	0.266	0.516	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	175.	175.	180.	170.	50.	7.071	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	10.7	10.7	14.4	7.	27.38	5.233	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	07/28/88-10/16/89	8 ##	0.5	138.625	1000.	0.5	122500.339	350.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	2.085	2.085	2.64	1.53	0.616	0.785	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	3.05	3.05	3.53	2.57	0.461	0.679	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.765	0.765	1.03	0.5	0.14	0.375	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.275	2.275	2.55	2.	0.151	0.389	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	07/28/88-10/16/89	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.	2.	3.1	0.9	2.42	1.556	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	33.5	33.5	52.	15.	684.5	26.163	**	**	**	**

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

Parameter Inventory for Station: ARCH0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.165	2.165	2.65	1.68	0.47	0.686	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	21.7	21.7	28.	15.4	79.38	8.91	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.52	0.52	0.67	0.37	0.045	0.212	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	6.9	6.9	9.4	4.4	12.5	3.536	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	52.5	52.5	70.	35.	612.5	24.749	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.465	4.465	4.9	4.03	0.378	0.615	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.	4.	6.	2.	8.	2.828	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	5.15	5.15	6.3	4.	2.645	1.626	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	157.5	157.5	185.	130.	1512.5	38.891	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	60.	60.	62.	58.	8.	2.828	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	265.5	265.5	350.	181.	14280.5	119.501	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	8 ##	0.001	0.003	0.01	0.001	0.	0.004	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	07/28/88-10/16/89	8 ##	0.05	0.068	0.15	0.05	0.001	0.036	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	2.775	2.775	3.67	1.88	1.602	1.266	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	07/28/88-10/16/89	8 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1105.	1105.	1420.	790.	198450.	445.477	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	3075.	3075.	3890.	2260.	1328450.	1152.584	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	07/28/88-10/16/89	8	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	330.	330.	400.	260.	9800.	98.995	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	2.24	2.24	3.29	1.19	2.205	1.485	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	07/28/88-10/16/89	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.945	1.945	2.3	1.59	0.252	0.502	**	**	**	**

** - 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: ARCH0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	6	1	0.17	5	1	0.20	1	0	0.00						
		Other-Lo Lim.	6.5	6	0	0.00	5	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	6	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	250.	8	0	0.00	6	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	6	0	0.00	2	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	8	0	0.00	6	0	0.00	2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	50.	8	0	0.00	6	0	0.00	2	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	6	0	0.00	2	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	5.	8	0	0.00	6	0	0.00	2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	6	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	4 &	1	0.25	3	1	0.33	1	0	0.00						
		Drinking Water	1300.	8	0	0.00	6	0	0.00	2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	15.	8	0	0.00	6	0	0.00	2	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	100.	8	2	0.25	6	2	0.33	2	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	100.	8	0	0.00	6	0	0.00	2	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	6.	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: ARCH0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	1	0.13	6	1	0.17	2	0	0.00						
		Drinking Water	50.	8	1	0.13	6	1	0.17	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	6	0	0.00	2	0	0.00						
		Drinking Water	2.	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

Station Inventory for Station: ARCH0055

NPS Station ID: ARCH0055
LAT/LON: 38.585337/-109.538477
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE SF-18
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_SF18
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-18 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/89-10/16/89	2	24.15	24.15	24.4	23.9	0.125	0.354	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/05/89-10/16/89	2	8.105	8.105	8.52	7.69	0.344	0.587	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/05/89-10/16/89	2	7.931	7.931	8.52	7.69	0.405	0.636	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/05/89-10/16/89	2	0.012	0.012	0.02	0.003	0.	0.012	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	10/05/89-10/16/89	2	38.5	38.5	51.	26.	312.5	17.678	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	10/05/89-10/16/89	2	17.5	17.5	19.	16.	4.5	2.121	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	10/05/89-10/16/89	2	1.4	1.4	1.5	1.3	0.02	0.141	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	10/05/89-10/16/89	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	10/05/89-10/16/89	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/05/89-10/16/89	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/05/89-10/16/89	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/05/89-10/16/89	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	10/05/89-10/16/89	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/05/89-10/16/89	2 ##	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: ARCH0055

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	10/05/89-10/16/89	2 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/05/89-10/16/89	2	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/05/89-10/16/89	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	10/05/89-10/16/89	2	215.	215.	230.	200.	450.	21.213	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/05/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	10/05/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	10/05/89-10/16/89	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	10/05/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	10/05/89-10/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	10/05/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	10/05/89-10/16/89	2 ##	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: ARCH0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						

& - 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: ARCH0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	0	0.00	1	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	6.	2	0	0.00	1	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0056

NPS Station ID: ARCH0056 | LAT/LON: 38.585448/-109.538309 | Agency: 11NPSWRD | Date Created: 10/05/99

Location: POTHOLE SAMPLING SITE SF-19
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
FIPS State/County: 49019 UTAH/GRAND
STORET Station ID(s): ARCH_LANL_SF19
Within Park Boundary: No

Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE SF-19 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-10/16/89	5	22.5	21.66	25.	15.8	11.903	3.45	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-01/12/89	4	58.	68.	151.	5.	3878.667	62.279	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-10/16/89	5	7.57	8.094	9.22	7.31	0.799	0.894	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-10/16/89	5	7.57	7.651	9.22	7.31	1.044	1.022	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-10/16/89	5	0.027	0.022	0.049	0.001	0.	0.021	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-10/16/89	5	30.	36.8	73.	21.	465.2	21.568	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-10/16/89	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-10/16/89	6	12.4	13.967	27.	0.3	108.003	10.392	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2	2475.	2475.	4000.	950.	4651250.	2156.676	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	2640.	2640.	3900.	1380.	3175200.	1781.909	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-10/16/89	6	1.05	0.933	1.5	0.2	0.215	0.463	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-10/16/89	6	0.55	0.537	0.8	0.02	0.082	0.287	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1580.	1580.	2020.	1140.	387200.	622.254	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-10/16/89	6	0.7	0.84	2.1	0.14	0.451	0.672	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-10/16/89	6	0.9	0.883	2.	0.1	0.426	0.652	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-10/16/89	6	7.5	6.583	11.	0.5	12.642	3.556	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-10/16/89	6 ##	0.1	0.133	0.2	0.1	0.003	0.052	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-10/16/89	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	6.45	6.45	9.2	3.7	15.125	3.889	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-10/16/89	6 ##	37.5	46.	100.	0.5	2085.9	45.672	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	355.	355.	360.	350.	50.	7.071	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: ARCH0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-10/16/89	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-10/16/89	6 ##	50.	45.833	50.	25.	104.167	10.206	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	20.05	20.05	24.4	15.7	37.845	6.152	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-10/16/89	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	3.905	3.905	5.5	2.31	5.088	2.256	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-10/16/89	6 ##	0.5	21.167	100.	0.5	1587.567	39.844	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	72.5	72.5	100.	45.	1512.5	38.891	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-10/16/89	6 ##	150.	941.667	5000.	50.	3962416.667	1990.582	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-10/16/89	6 ##	0.5	1.25	5.	0.5	3.375	1.837	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	508.	508.	970.	46.	426888.	653.367	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-10/16/89	6	50.	108.5	500.	0.5	37373.4	193.322	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2	1.1	1.1	1.2	1.	0.02	0.141	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-10/16/89	6 ##	25.	40.25	100.	0.5	1302.175	36.086	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.8	0.8	1.	0.6	0.08	0.283	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-10/16/89	6	141.	172.417	500.	0.5	29828.642	172.71	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	97.5	97.5	150.	45.	5512.5	74.246	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	20.55	20.55	30.	11.1	178.605	13.364	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	42.	42.	50.	34.	128.	11.314	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.845	1.845	2.27	1.42	0.361	0.601	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-10/16/89	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-10/16/89	6 ##	5.	20.833	100.	5.	1504.167	38.784	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.55	1.55	1.7	1.4	0.045	0.212	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1525.	1525.	2100.	950.	661250.	813.173	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2	1.1	1.1	1.4	0.8	0.18	0.424	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	200.	200.	220.	180.	800.	28.284	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	11.55	11.55	14.9	8.2	22.445	4.738	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	2.735	2.735	3.41	2.06	0.911	0.955	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	3.03	3.03	3.92	2.14	1.584	1.259	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.985	0.985	1.34	0.63	0.252	0.502	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.145	2.145	2.37	1.92	0.101	0.318	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-10/16/89	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.465	2.465	3.9	1.03	4.118	2.029	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	29.	29.	35.	23.	72.	8.485	**	**	**	**

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

Parameter Inventory for Station: ARCH0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.455	2.455	3.02	1.89	0.638	0.799	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	26.	26.	34.	18.	128.	11.314	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.555	0.555	0.73	0.38	0.061	0.247	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	5.85	5.85	7.1	4.6	3.125	1.768	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	57.5	57.5	80.	35.	1012.5	31.82	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.9	4.9	5.1	4.7	0.08	0.283	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	6.	6.	9.5	2.5	24.5	4.95	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	13.	13.	15.	11.	8.	2.828	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	185.	185.	223.	147.	2888.	53.74	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	66.5	66.5	73.	60.	84.5	9.192	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	290.	290.	380.	200.	16200.	127.279	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-10/16/89	6 ##	0.001	0.002	0.01	0.001	0.	0.004	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-10/16/89	6 ##	0.05	0.057	0.08	0.05	0.	0.012	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	3.525	3.525	4.7	2.35	2.761	1.662	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-10/16/89	6 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1115.	1115.	1290.	940.	61250.	247.487	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	3405.	3405.	4380.	2430.	1901250.	1378.858	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-10/16/89	6	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	385.	385.	450.	320.	8450.	91.924	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	2.31	2.31	3.17	1.45	1.479	1.216	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-10/16/89	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.94	1.94	2.3	1.58	0.259	0.509	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	5	1	0.20	4	1	0.25	1	0	0.00						
		Other-Lo Lim.	6.5	5	0	0.00	4	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	4	0	0.00	2	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	250.	6	0	0.00	4	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	4	0	0.00	2	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	6	0	0.00	4	0	0.00	2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	50.	6	0	0.00	4	0	0.00	2	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	6	0	0.00	4	0	0.00	2	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	5.	6	0	0.00	4	0	0.00	2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	4	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	1	0.20	3	1	0.33	2	0	0.00						
		Drinking Water	1300.	6	0	0.00	4	0	0.00	2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	15.	6	0	0.00	4	0	0.00	2	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	100.	6	1	0.17	4	1	0.25	2	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	100.	6	0	0.00	4	0	0.00	2	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	6.	6	0	0.00	4	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: ARCH0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	6	1	0.17	4	1	0.25	2	0	0.00						
		Drinking Water	50.	6	1	0.17	4	1	0.25	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	4	0	0.00	2	0	0.00						
		Drinking Water	2.	6	0	0.00	4	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: ARCH0057

NPS Station ID: ARCH0057
LAT/LON: 38.587810/-109.733892
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17580
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): ARCH_NURE_07 /1041257
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE GOLD BAR CANYON UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/78-07/01/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/78-07/01/78	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/78-07/01/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/78-07/01/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/78-07/01/78	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/78-07/01/78	1	49.1	49.1	49.1	49.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/78-07/01/78	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/01/78-07/01/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/01/78-07/01/78	1	148.	148.	148.	148.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/01/78-07/01/78	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/01/78-07/01/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/01/78-07/01/78	1	435.	435.	435.	435.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/01/78-07/01/78	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/01/78-07/01/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/01/78-07/01/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/01/78-07/01/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/01/78-07/01/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/01/78-07/01/78	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/01/78-07/01/78	1	9451.	9451.	9451.	9451.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0057

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	1	1.00										1	1	1.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0058

NPS Station ID: ARCH0058 | LAT/LON: 38.588309/-109.419392 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17297 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_22 /1041187
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE RILL CREEK UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/78-06/25/78	1	20.4	20.4	20.4	20.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/78-06/25/78	1	740.	740.	740.	740.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/25/78-06/25/78	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/78-06/25/78	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/78-06/25/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/78-06/25/78	1	52.6	52.6	52.6	52.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/78-06/25/78	1	44.4	44.4	44.4	44.4	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/25/78-06/25/78	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/25/78-06/25/78	1	105.	105.	105.	105.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/25/78-06/25/78	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/25/78-06/25/78	1	73.	73.	73.	73.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/25/78-06/25/78	1	1046.	1046.	1046.	1046.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/25/78-06/25/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/25/78-06/25/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/25/78-06/25/78	1	61.	61.	61.	61.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/25/78-06/25/78	1	153.	153.	153.	153.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/25/78-06/25/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/25/78-06/25/78	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/25/78-06/25/78	1	44444.	44444.	44444.	44444.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0058

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00										1	1	1.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0059

NPS Station ID: ARCH0059
LAT/LON: 38.590642/-109.547588
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-5
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MV5
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-5 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-10/16/89	3	26.	27.267	32.8	23.	25.213	5.021	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/89-10/16/89	3	8.33	8.437	8.78	8.2	0.093	0.304	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/89-10/16/89	3	8.33	8.375	8.78	8.2	0.098	0.314	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-10/16/89	3	0.005	0.004	0.006	0.002	0.	0.002	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/31/89-10/16/89	3	26.	25.667	30.	21.	20.333	4.509	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/89-10/16/89	2 ##	0.25	0.25	0.4	0.1	0.045	0.212	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/89-10/16/89	2	7.75	7.75	9.	6.5	3.125	1.768	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/89-10/16/89	2	0.95	0.95	1.1	0.8	0.045	0.212	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/89-10/16/89	2	1.05	1.05	1.2	0.9	0.045	0.212	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/89-10/16/89	2	1.5	1.5	1.8	1.2	0.18	0.424	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/89-10/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/89-10/16/89	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/15/89-10/16/89	2	87.5	87.5	100.	75.	312.5	17.678	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/15/89-10/16/89	2 ##	37.5	37.5	50.	25.	312.5	17.678	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/89-10/16/89	2 ##	50.25	50.25	100.	0.5	4950.125	70.357	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	08/15/89-10/16/89	2 ##	1025.	1025.	2000.	50.	1901250.	1378.858	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/89-10/16/89	2	75.	75.	100.	50.	1250.	35.355	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/89-10/16/89	2	85.	85.	120.	50.	2450.	49.497	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/15/89-10/16/89	2	240.	240.	400.	80.	51200.	226.274	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/16/89-10/16/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/15/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-10/16/89	2 ##	0.003	0.003	0.005	0.001	0.	0.003	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-10/16/89	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/15/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/15/89-10/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						

& - 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: ARCH0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01007	BARIUM, TOTAL	Drinking Water	2000.	2	0	0.00	1	0	0.00	1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	0	0.00	1	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	1	0	0.00	1	1	1.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	1	0.50	1	1	1.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	6.	2	0	0.00	1	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0060

NPS Station ID: ARCH0060
LAT/LON: 38.590476/-109.551254
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-25
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MV25
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-25 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-10/16/89	4	26.3	25.375	33.9	15.	62.836	7.927	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/88-09/15/88	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/89-10/16/89	4	8.05	8.12	8.67	7.71	0.171	0.414	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/89-10/16/89	4	8.031	7.997	8.67	7.71	0.192	0.438	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-10/16/89	4	0.009	0.01	0.019	0.002	0.	0.007	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/31/89-10/16/89	4	20.	20.25	30.	11.	102.917	10.145	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/88-10/16/89	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/88-10/16/89	4	9.75	9.725	11.8	7.6	3.023	1.739	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/88-10/16/89	4	1.2	1.175	1.3	1.	0.023	0.15	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/15/88-10/16/89	4	0.75	0.725	0.8	0.6	0.009	0.096	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/15/88-10/16/89	4	1.25	1.25	1.4	1.1	0.017	0.129	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/88-10/16/89	4	1.	0.975	1.	0.9	0.002	0.05	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/88-10/16/89	4	7.	7.	8.	6.	0.667	0.816	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	09/15/88-10/16/89	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/88-10/16/89	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/15/88-10/16/89	4 ##	50.	52.5	60.	50.	25.	5.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/15/88-10/16/89	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/15/88-10/16/89	4 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/88-10/16/89	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	09/15/88-10/16/89	4 ##	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: ARCH0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/15/88-10/16/89	4 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/15/88-10/16/89	4	70.	72.5	90.	60.	158.333	12.583	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/15/88-10/16/89	4	77.5	78.75	90.	70.	106.25	10.308	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	09/15/88-10/16/89	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/15/88-10/16/89	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/15/88-10/16/89	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	4 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/15/88-10/16/89	4 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/15/88-10/16/89	4	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/15/88-10/16/89	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/15/88-10/16/89	4 ##	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: ARCH0060

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	3	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	4	0	0.00	3	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	3	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	250.	4	0	0.00	3	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	3	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	3	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	50.	4	0	0.00	3	0	0.00	1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0060

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01007	BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00	3	0	0.00	1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	5.	4	0	0.00	3	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	3	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	1300.	4	0	0.00	3	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	15.	4	0	0.00	3	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	100.	4	0	0.00	3	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	100.	4	0	0.00	3	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	6.	4	0	0.00	3	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	50.	4	0	0.00	3	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	2.	4	0	0.00	3	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0061

NPS Station ID: ARCH0061 | LAT/LON: 38.590865/-109.548393 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-14A | FIPS State/County: 49019 UTAH/GRAND

Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): ARCH_LANL_MV14A
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:

Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-14A IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-10/16/89	4	24.8	25.6	33.1	19.7	38.04	6.168	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/89-10/16/89	4	8.57	8.427	9.01	7.56	0.437	0.661	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/89-10/16/89	4	8.474	8.055	9.01	7.56	0.622	0.789	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-10/16/89	4	0.003	0.009	0.028	0.001	0.	0.013	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/31/89-10/16/89	4	32.5	31.25	39.	21.	84.25	9.179	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/89-10/16/89	2	11.8	11.8	13.2	10.4	3.92	1.98	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/89-10/16/89	2	1.05	1.05	1.1	1.	0.005	0.071	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/89-10/16/89	2	0.85	0.85	0.9	0.8	0.005	0.071	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/89-10/16/89	2	1.25	1.25	1.4	1.1	0.045	0.212	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/89-10/16/89	2	0.7	0.7	0.8	0.6	0.02	0.141	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/89-10/16/89	2	9.	9.	9.	9.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/15/89-10/16/89	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/15/89-10/16/89	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/89-10/16/89	2 ##	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: ARCH0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	08/15/89-10/16/89	2 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/89-10/16/89	2	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/89-10/16/89	2 ##	22.5	22.5	40.	5.	612.5	24.749	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/15/89-10/16/89	2	90.	90.	100.	80.	200.	14.142	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/15/89-10/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/15/89-10/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-10/16/89	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/15/89-10/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/15/89-10/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/15/89-10/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/15/89-10/16/89	2 ##	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: ARCH0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	4	1	0.25	3	1	0.33	1	0	0.00						
		Other-Lo Lim.	6.5	4	0	0.00	3	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	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

EPA Water Quality Criteria Analysis for Station: ARCH0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	0	0.00	1	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	6.	2	0	0.00	1	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0062

NPS Station ID: ARCH0062
LAT/LON: 38.590976/-109.548059
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-11
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MV11
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-11 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/89-10/16/89	3	24.1	25.033	31.4	19.6	35.463	5.955	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/88-09/15/88	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/89-10/16/89	3	7.62	7.62	7.72	7.52	0.01	0.1	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/89-10/16/89	3	7.62	7.612	7.72	7.52	0.01	0.1	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/89-10/16/89	3	0.024	0.024	0.03	0.019	0.	0.006	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/31/89-10/16/89	3	26.	27.333	30.	26.	5.333	2.309	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/88-10/16/89	3	9.5	9.567	10.2	9.	0.363	0.603	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/88-10/16/89	3	0.8	0.8	0.9	0.7	0.01	0.1	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/15/88-10/16/89	3	0.8	0.767	0.8	0.7	0.003	0.058	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/15/88-10/16/89	3	1.1	1.1	1.2	1.	0.01	0.1	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/88-10/16/89	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/88-10/16/89	3	8.	8.333	9.	8.	0.333	0.577	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/15/88-10/16/89	3	65.	53.	69.	25.	592.	24.331	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/15/88-10/16/89	3 ##	25.	35.333	56.	25.	320.333	17.898	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	09/15/88-10/16/89	3 ##	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: ARCH0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/15/88-10/16/89	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/15/88-10/16/89	3	55.	61.667	80.	50.	258.333	16.073	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/15/88-10/16/89	3	100.	103.333	120.	90.	233.333	15.275	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/15/88-10/16/89	3	80.	80.	90.	70.	100.	10.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	3 ##	0.05	0.063	0.09	0.05	0.001	0.023	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/15/88-10/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/15/88-10/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/15/88-10/16/89	3 ##	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: ARCH0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00	1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5.	3	0	0.00	2	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	1300.	3	0	0.00	2	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	0	0.00	2	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	2	0.67	2	1	0.50	1	1	1.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	6.	3	0	0.00	2	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0063

NPS Station ID: ARCH0063
LAT/LON: 38.591087/-109.548116
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-43
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MV43
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-43 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2	1835.	1835.	2900.	770.	2268450.	1506.137	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	1490.	1490.	1610.	1370.	28800.	169.706	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1095.	1095.	1100.	1090.	50.	7.071	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	8.	8.	8.9	7.1	1.62	1.273	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	366.5	366.5	410.	323.	3784.5	61.518	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	16.5	16.5	17.	16.	0.5	0.707	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	1.96	1.96	2.4	1.52	0.387	0.622	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	45.	45.	50.	40.	50.	7.071	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	97.	97.	134.	60.	2738.	52.326	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	21.	21.	35.	7.	392.	19.799	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.6	0.6	0.65	0.55	0.005	0.071	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	52.5	52.5	65.	40.	312.5	17.678	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	13.1	13.1	13.4	12.8	0.18	0.424	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	27.	27.	35.	19.	128.	11.314	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.775	1.775	1.82	1.73	0.004	0.064	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	0.8	0.8	1.1	0.5	0.18	0.424	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1160.	1160.	1260.	1060.	20000.	141.421	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2	1.1	1.1	1.8	0.4	0.98	0.99	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	220.	220.	280.	160.	7200.	84.853	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	9.1	9.1	9.2	9.	0.02	0.141	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	1.73	1.73	2.21	1.25	0.461	0.679	**	**	**	**

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

Parameter Inventory for Station: ARCH0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.49	2.49	2.57	2.41	0.013	0.113	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.6	0.6	0.66	0.54	0.007	0.085	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.36	2.36	2.44	2.28	0.013	0.113	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.58	1.58	2.2	0.96	0.769	0.877	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	36.	36.	38.	34.	8.	2.828	**	**	**	**
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.945	1.945	2.29	1.6	0.238	0.488	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	18.3	18.3	19.7	16.9	3.92	1.98	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.43	0.43	0.47	0.39	0.003	0.057	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	5.25	5.25	5.6	4.9	0.245	0.495	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	40.	40.	45.	35.	50.	7.071	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	5.8	5.8	7.6	4.	6.48	2.546	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	2.75	2.75	3.5	2.	1.125	1.061	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	9.25	9.25	11.	7.5	6.125	2.475	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	144.5	144.5	158.	131.	364.5	19.092	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	64.5	64.5	72.	57.	112.5	10.607	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	240.	240.	250.	230.	200.	14.142	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	2.25	2.25	2.56	1.94	0.192	0.438	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1085.	1085.	1330.	840.	120050.	346.482	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	2415.	2415.	2460.	2370.	4050.	63.64	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	305.	305.	310.	300.	50.	7.071	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.785	1.785	1.87	1.7	0.014	0.12	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.565	1.565	1.59	1.54	0.001	0.035	**	**	**	**

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

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

Station Inventory for Station: ARCH0064

NPS Station ID: ARCH0064
LAT/LON: 38.591087/-109.548393
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-14B
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MV14B
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-14B IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/13/89-10/16/89	2	21.3	21.3	23.4	19.2	8.82	2.97	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/13/89-10/16/89	2	7.52	7.52	7.76	7.28	0.115	0.339	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/13/89-10/16/89	2	7.457	7.457	7.76	7.28	0.123	0.351	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/13/89-10/16/89	2	0.035	0.035	0.052	0.017	0.001	0.025	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	09/13/89-10/16/89	2	23.5	23.5	30.	17.	84.5	9.192	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/13/89-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/13/89-10/16/89	3	9.3	9.233	10.	8.4	0.643	0.802	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/13/89-10/16/89	3	1.4	1.3	1.5	1.	0.07	0.265	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/13/89-10/16/89	3	0.9	0.867	1.1	0.6	0.063	0.252	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/13/89-10/16/89	3	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/13/89-10/16/89	3	1.	1.3	2.	0.9	0.37	0.608	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/89-10/16/89	3	8.	8.	9.	7.	1.	1.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	09/13/89-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/13/89-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/13/89-10/16/89	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/13/89-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/13/89-10/16/89	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/13/89-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/13/89-10/16/89	3 ##	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: ARCH0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045	IRON, TOTAL (UG/L AS FE)	09/13/89-10/16/89	3 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/13/89-10/16/89	3	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/13/89-10/16/89	3	150.	133.333	180.	70.	3233.333	56.862	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	09/13/89-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/13/89-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/13/89-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/13/89-10/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/13/89-10/16/89	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/13/89-10/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/13/89-10/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/13/89-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/13/89-10/16/89	3 ##	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: ARCH0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00	1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5.	3	0	0.00	2	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	1300.	3	0	0.00	2	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	0	0.00	2	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	6.	3	0	0.00	2	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0065

NPS Station ID: ARCH0065
LAT/LON: 38.591087/-109.548116
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-35
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MV35
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-35 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/89-10/16/89	2	24.25	24.25	32.	16.5	120.125	10.96	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/88-09/15/88	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/89-10/16/89	2	7.565	7.565	8.25	6.88	0.938	0.969	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/89-10/16/89	2	7.163	7.163	8.25	6.88	1.262	1.123	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/89-10/16/89	2	0.069	0.069	0.132	0.006	0.008	0.089	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/15/89-10/16/89	2	27.5	27.5	34.	21.	84.5	9.192	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/88-10/16/89	3	5.3	5.067	5.8	4.1	0.763	0.874	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	1175.	1175.	1900.	450.	1051250.	1025.305	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	2245.	2245.	3700.	790.	4234050.	2057.681	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/88-10/16/89	3	0.7	0.733	0.9	0.6	0.023	0.153	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/15/88-10/16/89	3	0.4	0.433	0.5	0.4	0.003	0.058	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1310.	1310.	1770.	850.	423200.	650.538	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/15/88-10/16/89	3	1.	1.	1.1	0.9	0.01	0.1	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/88-10/16/89	3	0.8	0.733	0.8	0.6	0.013	0.115	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/88-10/16/89	3	7.	6.667	7.	6.	0.333	0.577	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	5.95	5.95	8.1	3.8	9.245	3.041	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/15/88-10/16/89	3 ##	50.	33.5	50.	0.5	816.75	28.579	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	360.	360.	380.	340.	800.	28.284	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/15/88-10/16/89	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	19.1	19.1	24.9	13.3	67.28	8.202	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	2.73	2.73	4.	1.46	3.226	1.796	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	62.5	62.5	85.	40.	1012.5	31.82	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/15/88-10/16/89	3 ##	250.	410.	730.	250.	76800.	277.128	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	321.5	321.5	560.	83.	113764.5	337.29	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/15/88-10/16/89	3	54.	54.667	60.	50.	25.333	5.033	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2	2.15	2.15	3.4	0.9	3.125	1.768	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	1.05	1.05	1.5	0.6	0.405	0.636	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/15/88-10/16/89	3	80.	76.667	80.	70.	33.333	5.774	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	75.	75.	100.	50.	1250.	35.355	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	19.95	19.95	28.6	11.3	149.645	12.233	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2 ##	22.75	22.75	44.	1.5	903.125	30.052	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.675	1.675	2.03	1.32	0.252	0.502	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.35	1.35	1.4	1.3	0.005	0.071	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1470.	1470.	1900.	1040.	369800.	608.112	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.715	0.715	0.83	0.6	0.026	0.163	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	220.	220.	250.	190.	1800.	42.426	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	10.1	10.1	13.3	6.9	20.48	4.525	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	2.945	2.945	4.09	1.8	2.622	1.619	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	3.175	3.175	4.11	2.24	1.748	1.322	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.775	0.775	1.08	0.47	0.186	0.431	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.365	2.365	2.84	1.89	0.451	0.672	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.57	1.57	2.5	0.64	1.73	1.315	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	20.	20.	25.	15.	50.	7.071	**	**	**	**
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.36	2.36	3.2	1.52	1.411	1.188	**	**	**	**

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Parameter Inventory for Station: ARCH0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	23.25	23.25	31.1	15.4	123.245	11.102	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.52	0.52	0.75	0.29	0.106	0.325	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.05	4.05	6.1	2.	8.405	2.899	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	50.	50.	70.	30.	800.	28.284	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.9	4.9	5.3	4.5	0.32	0.566	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.	4.	5.5	2.5	4.5	2.121	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	11.55	11.55	17.	6.1	59.405	7.707	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	169.5	169.5	206.	133.	2664.5	51.619	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	68.	68.	78.	58.	200.	14.142	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	310.	310.	430.	190.	28800.	169.706	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	3 ##	0.05	0.053	0.06	0.05	0.	0.006	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.175	0.175	0.25	0.1	0.011	0.106	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	3.09	3.09	4.4	1.78	3.432	1.853	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/15/88-10/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1085.	1085.	1240.	930.	48050.	219.203	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	3045.	3045.	4100.	1990.	2226050.	1491.995	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/15/88-10/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	350.	350.	450.	250.	20000.	141.421	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.9	1.9	2.54	1.26	0.819	0.905	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	2.295	2.295	3.3	1.29	2.02	1.421	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00	1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5.	3	0	0.00	2	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	1300.	3	0	0.00	2	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	0	0.00	2	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	6.	3	0	0.00	2	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0065

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00	1	0	0.00						
	Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0066

NPS Station ID: ARCH0066
LAT/LON: 38.591087/-109.548254
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-13
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MV13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-13 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/89-10/16/89	4	25.2	26.65	35.3	20.9	41.203	6.419	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/88-09/15/88	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/25/89-10/16/89	4	7.6	7.568	8.52	6.55	0.675	0.822	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/25/89-10/16/89	4	7.555	7.07	8.52	6.55	1.005	1.002	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/89-10/16/89	4	0.028	0.085	0.282	0.003	0.017	0.132	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	07/25/89-10/16/89	4	28.	26.75	34.	17.	52.917	7.274	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/15/88-10/16/89	3	10.	9.8	10.1	9.3	0.19	0.436	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	2375.	2375.	4300.	450.	7411250.	2722.361	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	1225.	1225.	1700.	750.	451250.	671.751	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/15/88-10/16/89	3	1.2	1.167	1.3	1.	0.023	0.153	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/15/88-10/16/89	3	0.8	0.833	0.9	0.8	0.003	0.058	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	815.	815.	1010.	620.	76050.	275.772	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/15/88-10/16/89	3	1.	0.967	1.1	0.8	0.023	0.153	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/88-10/16/89	3	0.8	0.767	0.9	0.6	0.023	0.153	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/88-10/16/89	3	8.	8.	9.	7.	1.	1.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	3.1	3.1	4.1	2.1	2.	1.414	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/15/88-10/16/89	3 ##	50.	70.	110.	50.	1200.	34.641	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	326.5	326.5	362.	291.	2520.5	50.205	**	**	**	**

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Parameter Inventory for Station: ARCH0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/15/88-10/16/89	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	9.9	9.9	13.1	6.7	20.48	4.525	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	1.59	1.59	2.39	0.79	1.28	1.131	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	45.	45.	60.	30.	450.	21.213	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/15/88-10/16/89	3 ##	250.	310.	430.	250.	10800.	103.923	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	157.5	157.5	288.	27.	34060.5	184.555	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/15/88-10/16/89	3	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	6.25	6.25	8.	4.5	6.125	2.475	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/15/88-10/16/89	3	100.	103.333	130.	80.	633.333	25.166	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	57.5	57.5	85.	30.	1512.5	38.891	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	9.15	9.15	12.8	5.5	26.645	5.162	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	19.75	19.75	32.	7.5	300.125	17.324	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.215	1.215	1.45	0.98	0.11	0.332	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/15/88-10/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	0.59	0.59	0.6	0.58	0.	0.014	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	735.	735.	860.	610.	31250.	176.777	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.975	0.975	1.3	0.65	0.211	0.46	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	99.	99.	112.	86.	338.	18.385	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	5.8	5.8	7.5	4.1	5.78	2.404	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	0.78	0.78	0.99	0.57	0.088	0.297	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.87	1.87	2.06	1.68	0.072	0.269	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.41	0.41	0.56	0.26	0.045	0.212	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.815	1.815	1.97	1.66	0.048	0.219	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/15/88-10/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.045	2.045	3.6	0.49	4.836	2.199	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	29.	29.	32.	26.	18.	4.243	**	**	**	**
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.435	1.435	1.82	1.05	0.296	0.544	**	**	**	**

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

Parameter Inventory for Station: ARCH0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	11.5	11.5	14.9	8.1	23.12	4.808	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.295	0.295	0.38	0.21	0.014	0.12	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.3	3.3	5.1	1.5	6.48	2.546	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	37.5	37.5	45.	30.	112.5	10.607	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.535	2.535	3.	2.07	0.432	0.658	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.	3.	4.5	1.5	4.5	2.121	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	5.75	5.75	10.	1.5	36.125	6.01	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	102.5	102.5	128.	77.	1300.5	36.062	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	52.5	52.5	58.	47.	60.5	7.778	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	138.5	138.5	190.	87.	5304.5	72.832	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/15/88-10/16/89	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	1.545	1.545	2.2	0.89	0.858	0.926	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/15/88-10/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	615.	615.	790.	440.	61250.	247.487	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	1615.	1615.	2130.	1100.	530450.	728.32	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/15/88-10/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	194.5	194.5	260.	129.	8580.5	92.631	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.045	1.045	1.42	0.67	0.281	0.53	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/15/88-10/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	0.84	0.84	0.88	0.8	0.003	0.057	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0066

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	3	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	4	0	0.00	3	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00	1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5.	3	0	0.00	2	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	1300.	3	0	0.00	2	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	0	0.00	2	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	6.	3	0	0.00	2	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						

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

EPA Water Quality Criteria Analysis for Station: ARCH0066

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00	1	0	0.00						
	Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						

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

Station Inventory for Station: ARCH0067

NPS Station ID: ARCH0067
LAT/LON: 38.591615/-109.548920
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MV-20
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MV20
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MV-20 IS AT A POTHOLE NORTHEAST OF MOAB AND OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/15/89-08/15/89	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/15/89-08/15/89	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/15/89-08/15/89	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/15/89-08/15/89	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/15/89-08/15/89	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/15/89-08/15/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/15/89-08/15/89	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/15/89-08/15/89	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/15/89-08/15/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/15/89-08/15/89	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/15/89-08/15/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/15/89-08/15/89	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/15/89-08/15/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/15/89-08/15/89	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/15/89-08/15/89	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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Parameter Inventory for Station: ARCH0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/15/89-08/15/89	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/15/89-08/15/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/15/89-08/15/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/15/89-08/15/89	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-08/15/89	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/15/89-08/15/89	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/15/89-08/15/89	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/15/89-08/15/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/15/89-08/15/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	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									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									

& - 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: ARCH0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	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									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	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									
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: ARCH0068

NPS Station ID: ARCH0068
LAT/LON: 38.592667/-109.561000
Agency: 21UTAH
Date Created: 03/16/96
Location: SKAKEL SPRING (D-25-21) 35ADD-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 598054
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/06/95-04/30/97	3	16.1	16.533	17.5	16.	0.703	0.839	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/06/95-12/06/95	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/06/95-04/30/97	3	297.	292.667	305.	276.	224.333	14.978	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/06/95-12/06/95	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	12/06/95-12/06/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/06/95-12/06/95	1	8.02	8.02	8.02	8.02	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/06/95-12/06/95	1	8.02	8.02	8.02	8.02	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/95-12/06/95	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	12/06/95-12/06/95	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	12/06/95-01/22/97	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	12/06/95-01/22/97	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/06/95-01/22/97	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	1	105.	105.	105.	105.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/06/95-12/06/95	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	12/06/95-12/06/95	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/06/95-12/06/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/06/95-12/06/95	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/06/95-12/06/95	1	0.176	0.176	0.176	0.176	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	12/06/95-12/06/95	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/06/95-12/06/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/06/95-12/06/95	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/06/95-12/06/95	1	119.2	119.2	119.2	119.2	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/06/95-12/06/95	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/06/95-12/06/95	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/06/95-12/06/95	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/06/95-12/06/95	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	12/06/95-12/06/95	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	12/06/95-12/06/95	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/06/95-12/06/95	1	64.	64.	64.	64.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/06/95-12/06/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/06/95-12/06/95	1 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/06/95-12/06/95	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/06/95-12/06/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/06/95-12/06/95	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	12/06/95-12/06/95	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/06/95-12/06/95	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**

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Parameter Inventory for Station: ARCH0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/06/95-12/06/95	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/06/95-12/06/95	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01501	ALPHA, TOTAL	01/22/97-01/22/97	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01503	ALPHA, DISSOLVED	04/30/97-04/30/97	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
03503	BETA, DISSOLVED	04/30/97-04/30/97	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
09503	RADIUM 226, DISSOLVED	04/30/97-04/30/97	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	12/06/95-12/06/95	1	104.	104.	104.	104.	0.	0.	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	12/06/95-12/06/95	1	55.	55.	55.	55.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/06/95-12/06/95	1	150.	150.	150.	150.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/06/95-12/06/95	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	04/30/97-04/30/97	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
81366	RADIUM-228,DISSOLVED (PC/L AS RA-228)	04/30/97-04/30/97	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: ARCH0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00				2	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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						
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						
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	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						

& - 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: ARCH0069

NPS Station ID: ARCH0069 LAT/LON: 38.592781/-109.561392 Agency: 21UTDHDW Date Created: 05/26/90
Location: MOAB - SKAKEL SPR(FUR) FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/MUN/INTAKE/NONAMB/SPRING/SUPPLY STORET Station ID(s): 1000312 /UT4900291012
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 6.40 On/Off RF1:
RF3 Index: 14030005028500.00 RF3 Mile Point: 0.54 Distance from RF3: 0.10 On/Off RF3:
Description:
NOTE: THIS IS A PUBLIC DRINKING WATER SOURCE * * * NOTE: THE SECONDARY STATION CODE IS EPA'S FRDS2 PWS-ID #
SYSTEM TYPE: COMMUNITY-POLITICAL SUBDIV SERVICE AREA TYPE: RESIDENTIAL AREA
ATE ENGINEER'S WATER USER CLAIM NUMBER IS: 05-2105 GS NUMBER FOR THIS SITE IS: 383534109334001

Parameter Inventory for Station: ARCH0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/06/78-02/06/90	4	0.3	0.5	1.2	0.2	0.227	0.476	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/06/78-02/06/90	4	297.	293.25	301.	278.	112.917	10.626	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/06/78-02/06/90	4	7.8	7.825	8.3	7.4	0.136	0.369	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/06/78-02/06/90	4	7.8	7.718	8.3	7.4	0.151	0.389	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/78-02/06/90	4	0.016	0.019	0.04	0.005	0.	0.015	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/81-02/06/90	3	2.	2.	3.	1.	1.	1.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/78-02/06/90	4	105.5	106.75	112.	104.	12.917	3.594	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/06/78-02/06/90	4	128.5	130.	136.	127.	16.667	4.082	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/29/81-02/06/90	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	4 ##	0.005	0.01	0.025	0.005	0.	0.01	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/78-02/06/90	4	0.15	0.15	0.2	0.1	0.003	0.058	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/06/78-02/06/90	4	129.	128.75	132.	125.	8.917	2.986	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/06/78-02/06/90	4	31.	34.75	47.	30.	67.583	8.221	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/06/78-02/06/90	4	12.	10.	13.	3.	22.	4.69	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/06/78-02/06/90	4	14.5	14.75	16.	14.	0.917	0.957	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/06/78-02/06/90	4	2.	1.75	2.	1.	0.25	0.5	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/06/78-02/06/90	4	12.	13.	18.	10.	12.	3.464	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/06/78-02/06/90	4	36.	36.	40.	32.	11.333	3.367	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/06/78-02/06/90	4	0.16	0.163	0.18	0.15	0.	0.015	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/06/78-02/06/90	4	10.	9.5	10.	8.	1.	1.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	06/29/81-02/06/90	3 ##	1.	1.25	2.5	0.25	1.313	1.146	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	06/29/81-02/06/90	3	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/06/78-06/29/81	2 ##	87.5	87.5	150.	25.	7812.5	88.388	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	06/29/81-02/06/90	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/06/78-02/06/90	4 ##	2.5	5.875	18.	0.5	66.229	8.138	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/29/81-02/06/90	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040	COPPER, DISSOLVED (UG/L AS CU)	06/06/78-06/06/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/29/81-02/06/90	3 ##	10.	11.667	20.	5.	58.333	7.638	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/06/78-06/06/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/29/81-02/06/90	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/81-02/06/90	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/06/78-06/06/78	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/29/81-06/29/81	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	06/29/81-02/06/90	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/06/78-06/06/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/29/81-02/06/90	3	30.	60.	140.	10.	4900.	70.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/06/78-06/06/78	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	06/29/81-02/06/90	3 ##	0.25	0.333	0.5	0.25	0.021	0.144	**	**	**	**
01501	ALPHA, TOTAL	05/18/81-02/06/90	5 ##	1.	1.	2.	0.5	0.375	0.612	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34306	CHLORODIBROMOMETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34391	HEXACHLOROBUTADIENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	06/06/78-06/06/78	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
38760	DBCP WATER, TOTUG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/06/78-02/06/90	4	179.5	177.75	184.	168.	46.917	6.85	**	**	**	**
71830	HYDROXIDE ION (MG/L AS OH)	06/06/78-06/06/78	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/06/78-02/06/90	4 ##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	06/06/78-02/06/90	4 ##	0.023	0.049	0.14	0.01	0.004	0.061	**	**	**	**
77093	CIS-1,2-DICHLOROETHYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77128	STYRENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77135	O-XYLENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77168	1,1-DICHLOROPROPENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77170	2,2-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77173	1,3-DICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77222	1,2,4-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77223	ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77224	N-PROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77226	1,3,5-TRIMETHYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77275	1-METHYL-2-CHLOROBENZENE (O-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	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: ARCH0069

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
77277	1-METHYL-4-CHLOROBENZENE (P-CHLOR*WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77297	CHLOROBROMOMETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77342	N-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77350	SEC-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77353	TERT-BUTYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77356	1-METHYL-4-ISOPROPYLBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77443	1,2,3-TRICHLOROPROPANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77562	1,1,1,2-TETRACHLOROETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77613	1,2,3-TRICHLOROBENZENE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
77651	1,2-DIBROMOETHANE WHOLE WATER,UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78113	ETHYL BENZENE WHOLE WATER SAMPLE UG/L	09/18/89-09/18/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
78124	BENZENE IN WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
78132	P-XYLENE IN WHOLE WATER UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81522	DIBROMOETHANE WHL WATER SMPL UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81555	BROMOBENZENE WHL WATER SMPL UG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
81710	M-XYLENE IN THE WHOLE WATER SAMPLE MG/L	09/18/89-09/18/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0069

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	4	0	0.00				2	0	0.00				2	0	0.00
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				2	0	0.00				2	0	0.00
		Other-Lo Lim.	6.5	4	0	0.00				2	0	0.00				2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	4	0	0.00				2	0	0.00				2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00				2	0	0.00				2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	4	0	0.00				2	0	0.00				2	0	0.00
		Drinking Water	250.	4	0	0.00				2	0	0.00				2	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	0	0.00				2	0	0.00				2	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00				2	0	0.00				2	0	0.00
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.	3	0	0.00				2	0	0.00				1	0	0.00
		Drinking Water	50.	3	0	0.00				2	0	0.00				1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00										1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00				2	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
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00				2	0	0.00				1	0	0.00
		Drinking Water	5.	3	0	0.00				2	0	0.00				1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	4	1	0.25				2	0	0.00				2	1	0.50
		Drinking Water	100.	4	0	0.00				2	0	0.00				2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00				2	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
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33				2	1	0.50				1	0	0.00
		Drinking Water	1300.	3	0	0.00				2	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
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00				2	0	0.00				1	0	0.00
		Drinking Water	15.	3	0	0.00				2	0	0.00				1	0	0.00
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
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00

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

EPA Water Quality Criteria Analysis for Station: ARCH0069

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00				2	0	0.00				1	0	0.00
		Drinking Water	100.	3	0	0.00				2	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.	3	1	0.33				2	0	0.00				1	1	1.00
		Drinking Water	5000.	3	0	0.00				2	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.	3	0	0.00				2	0	0.00				1	0	0.00
		Drinking Water	50.	3	0	0.00				2	0	0.00				1	0	0.00
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34391	HEXACHLOROBUTADIENE, TOTAL	Fresh Acute	90.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00									
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00	1	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00									
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00												
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00	1	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00				2	0	0.00				2	0	0.00
		Drinking Water	2.	4	0	0.00				2	0	0.00				2	0	0.00
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	1	0	0.00	1	0	0.00									
77128	STYRENE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	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: ARCH0070

NPS Station ID: ARCH0070
LAT/LON: 38.592781/-109.561115
Agency: 112WRD
Date Created: 02/28/78
Location: (D-25-21)35AAA-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383512109345301
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 1.70
On/Off RF1:
RF3 Index: 14030005001500.00
RF3 Mile Point: 0.19
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/19/67-08/15/85	2	16.	16.	17.5	14.5	4.5	2.121	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/19/67-08/15/85	2	293.	293.	296.	290.	18.	4.243	**	**	**	**
00400	PH (STANDARD UNITS)	10/19/67-08/15/85	2	7.75	7.75	8.	7.5	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/19/67-08/15/85	2	7.682	7.682	8.	7.5	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/19/67-08/15/85	2	0.021	0.021	0.032	0.01	0.	0.015	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/85-08/15/85	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/85-08/15/85	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/85-08/15/85	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/19/67-10/19/67	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/19/67-10/19/67	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/19/67-10/19/67	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/19/67-10/19/67	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/19/67-08/15/85	2	32.	32.	32.	32.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/19/67-08/15/85	2	12.5	12.5	13.	12.	0.5	0.707	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/19/67-08/15/85	2	13.5	13.5	14.	13.	0.5	0.707	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/19/67-10/19/67	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/19/67-08/15/85	2	1.15	1.15	1.7	0.6	0.605	0.778	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/19/67-08/15/85	2	12.5	12.5	14.	11.	4.5	2.121	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/19/67-08/15/85	2	31.5	31.5	32.	31.	0.5	0.707	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/19/67-08/15/85	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/19/67-08/15/85	2	10.15	10.15	11.	9.3	1.445	1.202	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/85-08/15/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/85-08/15/85	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/19/67-10/19/67	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/19/67-08/15/85	2	3.5	3.5	7.	0.	24.5	4.95	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/85-08/15/85	1	420.	420.	420.	420.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/15/85-08/15/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/19/67-08/15/85	2	171.	171.	174.	168.	18.	4.243	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/19/67-10/19/67	1	178.	178.	178.	178.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/19/67-10/19/67	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/19/67-10/19/67	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: ARCH0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00403	PH, LAB	Fresh Chronic	9.	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.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

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

Station Inventory for Station: ARCH0071

NPS Station ID: ARCH0071 | LAT/LON: 38.595809/-109.310310 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17431 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_17 /1041225
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WARNER LAKE UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/78-06/23/78	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/78-06/23/78	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/78-06/23/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/23/78-06/23/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/78-06/23/78	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/78-06/23/78	1	49.8	49.8	49.8	49.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/78-06/23/78	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/23/78-06/23/78	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/23/78-06/23/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/23/78-06/23/78	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/23/78-06/23/78	1	44.	44.	44.	44.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/23/78-06/23/78	1	1315.	1315.	1315.	1315.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/23/78-06/23/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/23/78-06/23/78	1	271.	271.	271.	271.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/23/78-06/23/78	1	73.	73.	73.	73.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/23/78-06/23/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/23/78-06/23/78	1	27.	27.	27.	27.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/23/78-06/23/78	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/23/78-06/23/78	1	16411.	16411.	16411.	16411.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0072

NPS Station ID: ARCH0072 | LAT/LON: 38.596392/-109.521698 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17013 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_10 /1041144
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/78-06/28/78	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	1	34.7	34.7	34.7	34.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	1	21.5	21.5	21.5	21.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	1	355.	355.	355.	355.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	1	585.	585.	585.	585.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	1	61.	61.	61.	61.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	1	21508.	21508.	21508.	21508.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0073

NPS Station ID: ARCH0073
LAT/LON: 38.598333/-109.589667
Agency: 21UTAH
Date Created: 03/16/96
Location: ATLAS MILL TAILINGS PILE SEEP
FIPS State/County: 49019 UTAH/GRAND
Station Type: /IND/NTRTMT/NONAMB/SPRING
STORET Station ID(s): 495657
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:

RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/95-02/18/98	13	9.67	10.875	25.8	0.	59.425	7.709	1.	5.05	16.45	24.48
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/11/95-02/18/98	13	400.	1366.515	5053.	15.2	2802377.953	1674.03	36.32	153.75	2657.	4532.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/11/95-02/18/98	13	6137.	7296.615	15863.	385.	23082251.09	4804.399	439.8	3483.5	10282.5	15023.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/11/95-02/18/98	13	6030.	6741.231	15820.	440.	29448867.526	5426.681	476.8	809.5	11390.	15252.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/11/95-02/18/98	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	05/11/95-02/18/98	13	5.05	5.265	9.2	2.7	3.437	1.854	2.82	3.8	6.25	8.68
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/95-05/11/95	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/95-02/18/98	13	7.59	7.584	7.9	7.25	0.029	0.17	7.294	7.48	7.69	7.844
00400	CONVERTED PH (STANDARD UNITS)	05/11/95-02/18/98	13	7.59	7.552	7.9	7.25	0.03	0.173	7.294	7.48	7.69	7.844
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/95-02/18/98	13	0.026	0.028	0.056	0.013	0.	0.012	0.015	0.02	0.033	0.051
00405	CARBON DIOXIDE (MG/L AS CO2)	05/11/95-02/18/98	13	25.	29.308	69.	3.	432.564	20.798	4.2	11.	42.	67.4
00406	PH, FIELD, STANDARD UNITS SU	05/11/95-01/15/98	12	7.2	7.163	7.9	5.4	0.389	0.624	5.88	7.025	7.49	7.84
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/11/95-01/15/98	12	7.189	6.416	7.9	5.4	0.999	1.	5.88	7.025	7.49	7.84
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/95-01/15/98	12	0.065	0.384	3.981	0.013	1.284	1.133	0.015	0.032	0.095	2.817
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/11/95-02/18/98	13	594.	497.846	784.	112.	60246.474	245.452	122.8	259.	702.	780.8
00440	BICARBONATE ION (MG/L AS HCO3)	05/11/95-02/18/98	13	724.	607.077	956.	136.	89555.077	299.258	149.6	316.	856.	952.
00445	CARBONATE ION (MG/L AS CO3)	05/11/95-02/18/98	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/95-02/18/98	13	9510.	16522.677	77940.	48.8	476390646.357	21826.375	157.28	609.	22770.	62100.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/21/95-02/18/98	11	63.2	110.768	458.	0.025	23162.882	152.194	0.037	0.116	220.	426.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/21/95-06/26/97	9	249.54	196.291	551.1	9.313	33852.708	183.991	9.313	13.435	300.02	551.1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/07/95-06/26/97	8	58.58	61.514	136.12	0.01	2858.9	53.469	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	09/21/95-02/18/98	3	4.44	12.153	29.41	2.61	224.182	14.973	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/21/95-02/18/98	8	3.207	9.007	44.6	0.08	226.366	15.045	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	09/21/95-02/18/98	3	0.013	0.013	0.02	0.005	0.	0.008	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/95-05/11/95	1	3.909	3.909	3.909	3.909	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/11/95-02/18/98	13	1694.1	1679.615	3792.8	186.5	1230711.14	1109.374	194.1	777.7	2194.3	3622.72
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/11/95-02/18/98	13	306.	300.531	567.	50.	25717.249	160.366	53.52	171.05	414.	531.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/11/95-02/18/98	13	165.	225.977	578.	14.3	33021.104	181.717	14.58	74.7	315.	558.
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/11/95-02/18/98	13	826.	1621.785	8900.	20.4	5503595.55	2345.974	23.36	251.	2035.	6420.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/11/95-02/18/98	13	33.6	39.995	94.1	2.31	919.792	30.328	2.386	11.96	59.	91.9
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/11/95-02/18/98	12	400.	548.542	1425.	15.5	236994.657	486.821	15.95	90.625	796.875	1417.5
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/11/95-02/18/98	13	2500.	3242.472	7718.1	56.35	6666057.229	2581.871	59.23	938.47	5108.35	7498.22
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/07/95-02/18/98	9	1.19	1.228	2.1	0.362	0.429	0.655	0.362	0.625	1.95	2.1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/11/95-02/18/98	12	5.5	7.017	14.2	2.5	22.576	4.751	2.5	2.5	11.875	13.84
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/11/95-02/18/98	12	75.	76.833	170.	45.	1149.606	33.906	45.9	48.5	88.25	146.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/07/95-02/18/98	9 ##	0.5	0.722	2.5	0.5	0.444	0.667	0.5	0.5	0.5	2.5
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/21/95-09/21/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/11/95-02/18/98	12 ##	0.5	0.683	2.	0.5	0.212	0.461	0.5	0.5	0.5	1.76

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

Parameter Inventory for Station: ARCH0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/11/95-02/18/98	12 ##	2.5	5.325	11.	2.5	12.817	3.58	2.5	2.5	9.025	10.7
01040	COPPER, DISSOLVED (UG/L AS CU)	05/11/95-02/18/98	12	19.	21.083	42.	6.	162.811	12.76	6.	7.75	30.	41.4
01046	IRON, DISSOLVED (UG/L AS FE)	05/11/95-02/18/98	12	41.15	65.133	232.	10.	3940.75	62.775	13.93	26.85	78.	204.4
01049	LEAD, DISSOLVED (UG/L AS PB)	05/11/95-02/18/98	12 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/11/95-02/18/98	12	2250.	2278.75	5600.	2.5	3093017.614	1758.698	2.5	425.	3750.	5120.
01057	THALLIUM, DISSOLVED (UG/L AS TL)	12/07/95-02/18/98	9 ##	0.5	1.444	5.5	0.5	2.903	1.704	0.5	0.5	2.25	5.5
01059	THALLIUM, TOTAL (UG/L AS TL)	09/21/95-09/21/95	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/07/95-02/18/98	9	470.	726.444	1550.	12.	348640.778	590.458	12.	183.	1260.	1550.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/21/95-09/21/95	1	1390.	1390.	1390.	1390.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	12/07/95-02/18/98	10	13.5	14.1	32.	5.	89.433	9.457	5.	5.	21.	31.2
01067	NICKEL, TOTAL (UG/L AS NI)	09/21/95-09/21/95	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	05/11/95-02/18/98	12 ##	1.	1.833	11.	1.	8.333	2.887	1.	1.	1.	8.
01085	VANADIUM, DISSOLVED (UG/L AS V)	12/07/95-02/18/98	9	77.	109.111	280.	15.	11633.111	107.857	15.	15.	209.	280.
01087	VANADIUM, TOTAL (UG/L AS V)	09/21/95-09/21/95	1	84.	84.	84.	84.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/11/95-02/18/98	11	34.	37.455	110.	15.	855.073	29.242	15.	15.	49.	100.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	12/07/95-02/18/98	9 ##	1.5	2.822	12.4	0.	13.947	3.735	0.	1.5	2.75	12.4
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/21/95-09/21/95	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/11/95-02/18/98	10	51.	65.02	180.	15.	3122.226	55.877	15.	15.	103.5	172.5
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/11/95-02/18/98	12	3.2	5.017	22.	0.5	41.451	6.438	0.65	1.025	4.375	19.6
01501	ALPHA, TOTAL	05/11/95-09/05/96	6	249.5	417.167	997.	6.	179856.567	424.095	**	**	**	**
01503	ALPHA, DISSOLVED	01/07/97-02/18/98	6	634.55	618.052	1251.5	113.	201639.922	449.043	**	**	**	**
03501	BETA, TOTAL	05/11/95-09/05/96	6	237.75	269.683	539.8	10.8	44205.466	210.251	**	**	**	**
03503	BETA, DISSOLVED	01/07/97-02/18/98	6	28.1	89.65	280.8	5.	13265.731	115.177	**	**	**	**
09501	RADIUM 226, TOTAL	05/11/95-09/05/96	6	3.3	4.517	10.3	0.25	22.853	4.78	**	**	**	**
09503	RADIUM 226, DISSOLVED	01/07/97-02/18/98	6	2.075	2.418	4.84	0.25	2.675	1.636	**	**	**	**
11501	RADIUM 228, TOTAL	05/11/95-09/05/96	6	1.4	1.567	3.6	0.5	1.475	1.214	**	**	**	**
28012	URANIUM,NATURAL,TOTAL PCI/L AS U	09/21/95-09/05/96	5	955.	1069.28	1470.	786.6	70516.052	265.549	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	05/11/95-02/18/98	13	3340.	4047.462	9613.	157.	9662548.769	3108.464	175.	1222.5	6282.	9273.8
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	05/11/95-02/18/98	13	1413.	2282.077	9559.	96.	6408839.744	2531.569	99.6	603.	3307.5	7311.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/11/95-02/18/98	13	4508.	5768.	13016.	330.	17905003.333	4231.43	337.2	2048.	8600.	12693.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/11/95-02/18/98	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
80015	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	01/07/97-02/18/98	6	336.85	460.9	1221.3	98.	184791.696	429.874	**	**	**	**
81366	RADIUM-228,DISSOLVED (PC/L AS RA-228)	01/07/97-02/18/98	6	1.1	1.998	7.59	0.5	7.606	2.758	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	13	12	0.92	2	1	0.50	7	7	1.00	3	3	1.00	1	1	1.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	13	4	0.31	2	1	0.50	7	2	0.29	3	0	0.00	1	1	1.00
00400	PH	Fresh Chronic	9.	13	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	13	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00	1	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	12	1	0.08	2	0	0.00	6	0	0.00	3	0	0.00	1	1	1.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	6	0.75	1	1	1.00	4	4	1.00	2	1	0.50	1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	1	0.33	1	1	1.00	2	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	12	2	0.17	1	1	1.00	7	1	0.14	3	0	0.00	1	0	0.00
		Drinking Water	250.	12	9	0.75	1	1	1.00	7	7	1.00	3	1	0.33	1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	13	10	0.77	2	2	1.00	7	7	1.00	3	1	0.33	1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	9	0	0.00				7	0	0.00	1	0	0.00	1	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	50.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	9	0	0.00				7	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	4.	9	0	0.00				7	0	0.00	1	0	0.00	1	0	0.00
01012	BERYLLIUM, TOTAL	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	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	5.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00

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

EPA Water Quality Criteria Analysis for Station: ARCH0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	12	6	0.50	2	2	1.00	7	4	0.57	2	0	0.00	1	0	0.00
		Drinking Water	1300.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	15.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	9	0	0.00				7	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	2.	7 &	1	0.14				5	1	0.20	1	0	0.00	1	0	0.00
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	1	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	10	0	0.00	1	0	0.00	7	0	0.00	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									
01075	SILVER, DISSOLVED	Fresh Acute	4.1	11 &	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	100.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	11	0	0.00	1	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	5000.	11	0	0.00	1	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	9	0	0.00				7	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	6.	9	1	0.11				7	1	0.14	1	0	0.00	1	0	0.00
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	12	1	0.08	2	0	0.00	7	1	0.14	2	0	0.00	1	0	0.00
		Drinking Water	50.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
09501	RADIUM 226, TOTAL	Drinking Water	5.	6	3	0.50	2	1	0.50	3	2	0.67	1	0	0.00			
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	6	0	0.00				4	0	0.00	1	0	0.00	1	0	0.00
11501	RADIUM 228, TOTAL	Drinking Water	5.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	2.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00

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

Station Inventory for Station: ARCH0074

NPS Station ID: ARCH0074
LAT/LON: 38.600004/-109.590005
Agency: 1118EPA8
Date Created: / /
Location: ATLAS MINERALS MOAB UT
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/IND/TREATD/OUTFL/STREAM
STORET Station ID(s): UT-0000060-2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 2.620
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14030005001900.00
RF3 Mile Point: 0.14
Distance from RF3: 0.01
On/Off RF3:
Description:
DISCHARGE 002 LOCATED AT SECOND SETTLING POND

Parameter Inventory for Station: ARCH0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/22/74-03/24/77	12	12.5	15.692	36.	3.5	111.65	10.566	4.19	7.75	26.75	34.2
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	02/17/76-03/24/76	2	53.5	53.5	66.	41.	312.5	17.678	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	11/22/74-02/17/76	1	1077.	1077.	1077.	1077.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/03/75-03/18/76	3	15.	11.5	18.	1.5	77.25	8.789	**	**	**	**
00400	PH (STANDARD UNITS)	11/22/74-03/24/77	14	7.5	8.025	10.3	6.85	1.236	1.112	6.925	7.175	8.75	10.05
00400	CONVERTED PH (STANDARD UNITS)	11/22/74-03/24/77	14	7.5	7.389	10.3	6.85	1.671	1.293	6.925	7.175	8.75	10.05
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/22/74-03/24/77	14	0.032	0.041	0.141	0.	0.002	0.044	0.	0.002	0.067	0.121
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/22/74-03/24/77	12	19.5	52.917	340.	7.	8612.992	92.806	7.3	12.5	52.	260.8
00556	OIL & GREASE (FREON EXTR.-GRAV METH) TOT,REC,MG/L	02/11/76-02/11/76	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/11/76-02/11/76	1	11.4	11.4	11.4	11.4	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/76-03/24/76	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	02/11/76-03/17/76	2 ##	0.091	0.091	0.176	0.005	0.015	0.121	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/27/77-01/27/77	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/27/77-01/27/77	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/76-03/18/76	1	2300.	2300.	2300.	2300.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/27/77-01/27/77	1	15500.	15500.	15500.	15500.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/27/77-01/27/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/27/77-01/27/77	1	7400.	7400.	7400.	7400.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/27/77-01/27/77	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/27/77-01/27/77	1	580.	580.	580.	580.	0.	0.	**	**	**	**
09501	RADIUM 226, TOTAL	11/22/74-10/21/75	2	2.1	2.1	2.5	1.7	0.32	0.566	**	**	**	**
09503	RADIUM 226, DISSOLVED	04/13/76-01/27/77	2	34.	34.	67.1	0.9	2191.22	46.81	**	**	**	**
22708	URANIUM, NATURAL TOTAL MG/L	11/22/74-01/27/77	5	1600.	1975.8	4150.	29.	2448603.2	1564.801	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/18/76-03/18/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/18/76-03/18/76	1	0.301	0.301	0.301	0.301	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2.								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/18/76-03/18/76	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	03/18/76-03/18/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	GEOMETRIC MEAN =			1.								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	02/11/76-03/17/76	2	13.5	13.5	23.	4.	180.5	13.435	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	02/17/76-02/17/76	1 ##	0.095	0.095	0.095	0.095	0.	0.	**	**	**	**
50050	FLOW, IN CONDUIT OR THRU A TREATMENT PLANT MGD	10/21/75-03/24/77	9	1.95	14.192	73.6	0.278	573.249	23.943	0.278	1.	19.1	73.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/14/76-01/27/77	2	10115.	10115.	10440.	9790.	211250.	459.619	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	02/11/76-02/11/76	1	17.	17.	17.	17.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	14	3	0.21				12	3	0.25	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	14	0	0.00				12	0	0.00	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						
00720	CYANIDE, TOTAL	Fresh Acute	0.022	2	1	0.50				2	1	0.50						
		Drinking Water	0.2	2	0	0.00				2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	1	1.00				1	1	1.00						
		Drinking Water	5.	1	1	1.00				1	1	1.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	1	1.00				1	1	1.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	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	1	1.00				1	1	1.00						
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						
09501	RADIUM 226, TOTAL	Drinking Water	5.	2	0	0.00				2	0	0.00						
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	2	1	0.50				1	1	1.00	1	0	0.00			
22708	URANIUM, NATURAL, TOTAL	Drinking Water	0.02	5	5	1.00				3	3	1.00	1	1	1.00	1	1	1.00
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	1	1.00				1	1	1.00						
		Drinking Water	2.	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: ARCH0075

NPS Station ID: ARCH0075
LAT/LON: 38.600004/-109.590005
Agency: 1118EPA8
Date Created: / /
Location: ATLAS MINERALS MOAB UTAH
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UT-0000060-N
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 2.620
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14030005001712.47
RF3 Mile Point: 17.39
Distance from RF3: 0.11
On/Off RF3:
Description:
PLANT INTAKE

Parameter Inventory for Station: ARCH0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/22/74-04/13/76	2	9.25	9.25	13.	5.5	28.125	5.303	**	**	**	**
00400	PH (STANDARD UNITS)	11/22/74-04/13/76	3	9.4	9.	9.8	7.8	1.12	1.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/22/74-04/13/76	3	9.4	8.262	9.8	7.8	1.937	1.392	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/22/74-04/13/76	3	0.	0.005	0.016	0.	0.	0.009	**	**	**	**
09501	RADIUM 226, TOTAL	11/22/74-10/21/75	2	0.14	0.14	0.2	0.08	0.007	0.085	**	**	**	**
09503	RADIUM 226, DISSOLVED	04/13/76-04/13/76	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
22708	URANIUM, NATURAL TOTAL MG/L	11/22/74-10/21/75	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	3	2	0.67				2	2	1.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00				2	0	0.00	1	0	0.00			
09501	RADIUM 226, TOTAL	Drinking Water	5.	2	0	0.00				2	0	0.00						
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	1	0	0.00							1	0	0.00			
22708	URANIUM, NATURAL, TOTAL	Drinking Water	0.02	2	2	1.00				2	2	1.00						

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

Station Inventory for Station: ARCH0076

NPS Station ID: ARCH0076
LAT/LON: 38.601949/-109.574449
Agency: 112WRD
Date Created: 02/28/78
Location: (D-25-21)26BDC-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383607109342801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 4.40
On/Off RF1:
RF3 Index: 14030005011100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.37
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/08/58-10/08/58	1	17.2	17.2	17.2	17.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/08/58-10/08/58	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/08/58-10/08/58	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/08/58-10/08/58	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/58-10/08/58	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/08/58-10/08/58	1	132.	132.	132.	132.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/08/58-10/08/58	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/08/58-10/08/58	1	124.	124.	124.	124.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/08/58-10/08/58	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/08/58-10/08/58	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/08/58-10/08/58	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/08/58-10/08/58	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/08/58-10/08/58	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/08/58-10/08/58	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/08/58-10/08/58	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/08/58-10/08/58	1	11.	11.	11.	11.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/08/58-10/08/58	1	186.	186.	186.	186.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/08/58-10/08/58	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
72016	DEPTH TO BOTTOM OF SAMPLE INTERVAL (FT BELOW LSD)	10/08/58-10/08/58	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: ARCH0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0077

NPS Station ID: ARCH0077
LAT/LON: 38.602782/-109.572782
Agency: 112WRD
Date Created: 11/30/85
Location: (D-25-21)26BDC-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383610109342201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.30
On/Off RF1:
RF3 Index: 14030005001600.00
RF3 Mile Point: 1.57
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/85-08/17/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/85-08/17/85	1	295.	295.	295.	295.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/17/85-08/17/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/17/85-08/17/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/85-08/17/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/17/85-08/17/85	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/17/85-08/17/85	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/85-08/17/85	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/17/85-08/17/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/17/85-08/17/85	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/17/85-08/17/85	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/17/85-08/17/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/85-08/17/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/17/85-08/17/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/17/85-08/17/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/17/85-08/17/85	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/17/85-08/17/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/17/85-08/17/85	1	77.	77.	77.	77.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/17/85-08/17/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/17/85-08/17/85	1	410.	410.	410.	410.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/17/85-08/17/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/85-08/17/85	1	161.	161.	161.	161.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

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

EPA Water Quality Criteria Analysis for Station: ARCH0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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									
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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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									

& - 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: ARCH0078

NPS Station ID: ARCH0078
LAT/LON: 38.603000/-109.570833
Agency: 21UTAH
Date Created: 12/22/90
Location: MATRIMONY SPRING NEAR MOAB (BLM)
FIPS State/County: 49039 UTAH/SANPETE
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 599528
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005010800.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:
WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; TELEPHONE: 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY; AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY - DIVISION OF WATER QUALITY.

Parameter Inventory for Station: ARCH0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/10/91-01/10/91	1	13.8	13.8	13.8	13.8	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/10/91-01/10/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/10/91-01/10/91	1	272.	272.	272.	272.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/91-01/10/91	1	285.	285.	285.	285.	0.	0.	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/10/91-01/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/10/91-01/10/91	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/10/91-01/10/91	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/10/91-01/10/91	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/10/91-01/10/91	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/10/91-01/10/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/10/91-01/10/91	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/10/91-01/10/91	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/10/91-01/10/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/10/91-01/10/91	1	103.	103.	103.	103.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/10/91-01/10/91	1	126.	126.	126.	126.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	01/10/91-01/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/91-01/10/91	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/10/91-01/10/91	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/10/91-01/10/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/10/91-01/10/91	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/10/91-01/10/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	01/10/91-01/10/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/10/91-01/10/91	1	125.8	125.8	125.8	125.8	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/10/91-01/10/91	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/10/91-01/10/91	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/10/91-01/10/91	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/10/91-01/10/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/10/91-01/10/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/10/91-01/10/91	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	01/10/91-01/10/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	01/10/91-01/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	01/10/91-01/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1.								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	01/10/91-01/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	01/10/91-01/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1.								
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48	01/10/91-01/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31672	LOG FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35	01/10/91-01/10/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31672	GM FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C	GEOMETRIC MEAN =			1.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/10/91-01/10/91	1	168.	168.	168.	168.	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/10/91-01/10/91	1	0.072	0.072	0.072	0.072	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/10/91-01/10/91	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 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	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	1	0	0.00				1	0	0.00						
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	1	0	0.00				1	0	0.00						
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	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: ARCH0079

NPS Station ID: ARCH0079 | LAT/LON: 38.603309/-109.570616 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C16998 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_NURE_09 /1041140
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	1	300.	300.	300.	300.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/78-06/28/78	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/78-06/28/78	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/78-06/28/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	1	34.1	34.1	34.1	34.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	1	15.2	15.2	15.2	15.2	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	1	142.	142.	142.	142.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	1	53.	53.	53.	53.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	1	162.	162.	162.	162.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	1	15245.	15245.	15245.	15245.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0079

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	1	1.00										1	1	1.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0080

NPS Station ID: ARCH0080
LAT/LON: 38.603892/-109.577227
Agency: 1110NET
Date Created: / /
Location: COLO R AT HIWY 160 NORTH OF MOAB
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 09182880
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER SUB BASIN
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 3.420
Distance from RF1: 0.60
On/Off RF1: ON
RF3 Index: 14030005002401.67
RF3 Mile Point: 6.84
Distance from RF3: 0.02
On/Off RF3:
Description:
COLORADO RIVER AT HIGHWAY 160 NORTH OF MOAB COOPERATIVE EPA-USGS WATER QUALITY STATION ENTERED AS A EPA NET STATION FOR PURPOSE OF RECORDING: (1)DATA SAMPLED BY USGS BUT ANALYZED BY EAP LABORATORIES AND (2)THE FOLLOWING USGS FIELD DATA; FLOW, WATER TEMPERATURE, DO, PH, TOTAL COLIFORM AND FECAS COLIFORM.

Parameter Inventory for Station: ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/71-02/28/72	19	61.	259.368	3138.	4.	498684.246	706.176	6.	21.	189.	358.
01023	BORON IN BOTTOM DEPOSITS (MG/KG AS B DRY WGT)	11/16/76-11/16/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/28/72-01/17/77	36 ##	2.5	3.028	8.	1.	1.856	1.362	2.35	2.5	3.625	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/29/77-09/20/79	4 ##	2.5	3.125	5.	2.5	1.563	1.25	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/28/72-01/17/77	37 ##	5.	6.257	15.	2.5	11.328	3.366	2.5	5.	7.	11.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/29/77-09/20/79	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/28/72-12/17/76	36 ##	5.	6.403	50.	1.	71.126	8.434	2.5	2.5	5.	11.2
01042	COPPER, TOTAL (UG/L AS CU)	01/17/77-09/20/79	5 ##	5.	4.5	5.	2.5	1.25	1.118	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/29/77-09/20/79	4 ##	74.75	1820.25	7119.	12.5	12482000.75	3532.988	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/72-01/17/77	37 ##	12.5	16.068	40.	5.	75.294	8.677	5.	12.5	20.	30.
01049	LEAD, DISSOLVED (UG/L AS PB)	07/28/72-01/17/77	37	12.5	21.811	60.	5.	192.255	13.866	12.5	12.5	35.	40.
01051	LEAD, TOTAL (UG/L AS PB)	04/29/77-09/20/79	4	42.5	38.25	53.	15.	268.917	16.399	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/29/77-09/20/79	4 ##	14.	67.75	238.	5.	12954.25	113.817	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/28/72-01/17/77	37 ##	2.5	4.311	20.	2.	11.699	3.42	2.5	2.5	5.	6.8
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/24/76-02/24/76	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	35 ##	2.5	12.714	175.	2.5	975.887	31.239	2.5	2.5	5.	39.6
01092	ZINC, TOTAL (UG/L AS ZN)	04/29/77-05/17/77	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	07/27/76-01/17/77	4 ##	3.75	4.	6.	2.5	3.167	1.78	**	**	**	**
09501	RADIUM 226, TOTAL	07/24/79-10/10/79	4	8.6	8.775	11.	6.9	3.083	1.756	**	**	**	**
09503	RADIUM 226, DISSOLVED	07/09/71-02/18/75	53	0.2	0.33	4.	0.05	0.313	0.56	0.1	0.1	0.3	0.56
09505	RADIUM 226, SUSPENDED	07/09/71-10/18/72	39	0.36	2.403	44.66	0.012	57.173	7.561	0.04	0.1	0.85	7.4
22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	122	6.	6.883	18.8	1.	13.407	3.662	4.	4.1	8.275	11.91
22708	URANIUM, NATURAL TOTAL MG/L	04/05/77-06/09/77	3	8.	8.667	10.	8.	1.333	1.155	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	36	9	0.25	10	4	0.40	18	3	0.17	5	1	0.20	3	1	0.33
		Drinking Water	5.	36	5	0.14	10	1	0.10	18	2	0.11	5	1	0.20	3	1	0.33
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	1	0.25	2	0	0.00				2	1	0.50			
		Drinking Water	5.	4	1	0.25	2	0	0.00				2	1	0.50			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	37	0	0.00	10	0	0.00	19	0	0.00	5	0	0.00	3	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	36	2	0.06	10	0	0.00	18	0	0.00	5	1	0.20	3	1	0.33
		Drinking Water	1300.	36	0	0.00	10	0	0.00	18	0	0.00	5	0	0.00	3	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	37	0	0.00	10	0	0.00	19	0	0.00	5	0	0.00	3	0	0.00
		Drinking Water	15.	37	16	0.43	10	6	0.60	19	6	0.32	5	3	0.60	3	1	0.33
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	15.	3 &	3	1.00	1	1	1.00				2	2	1.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	35	1	0.03	11	0	0.00	16	0	0.00	5	0	0.00	3	1	0.33
		Drinking Water	5000.	35	0	0.00	11	0	0.00	16	0	0.00	5	0	0.00	3	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			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	4	0	0.00	1	0	0.00	3	0	0.00						
		Drinking Water	6.	4	1	0.25	1	0	0.00	3	1	0.33						
09501	RADIUM 226, TOTAL	Drinking Water	5.	4	4	1.00	4	4	1.00									
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	53	0	0.00	16	0	0.00	24	0	0.00	7	0	0.00	6	0	0.00
09505	RADIUM 226, SUSPENDED	Drinking Water	5.	39	4	0.10	13	2	0.15	14	2	0.14	7	0	0.00	5	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	122	0	0.00	34	0	0.00	61	0	0.00	17	0	0.00	10	0	0.00
22708	URANIUM, NATURAL, TOTAL	Drinking Water	0.02	3	3	1.00							2	2	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

Annual Analysis for 1971 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	14	7.2	7.35	11.	4.1	3.34	1.827	4.55	5.9	8.9	10.15

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

Annual Analysis for 1972 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	37	7.2	8.63	18.8	1.9	21.925	4.682	4.06	5.1	10.85	17.12

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

Annual Analysis for 1973 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	12	4.	5.083	13.	2.	7.72	2.778	2.6	4.	5.75	11.2

** - 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 1974 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	10	5.	5.9	10.	4.	3.656	1.912	4.	4.75	7.25	9.8

** - 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 1975 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	23	5.	4.674	8.	1.	5.218	2.284	2.	2.	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 1976 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	24	6.5	7.417	18.	4.	11.732	3.425	4.	5.	9.	12.

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

Annual Analysis for 1977 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
22703	URANIUM, NATURAL, DISSOLVED	07/09/71-02/04/77	2	6.	6.	7.	5.	2.	1.414	**	**	**	**

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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	11 ##	2.5	7.045	42.	2.5	137.573	11.729	2.5	2.5	5.	35.2

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	16 ##	4.5	8.719	65.	2.5	239.566	15.478	2.5	2.5	5.	30.7

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	5 ##	2.5	9.6	38.	2.5	252.05	15.876	**	**	**	**

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/28/72-09/20/79	3 ##	2.5	60.	175.	2.5	9918.75	99.593	**	**	**	**

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

Station Inventory for Station: ARCH0081

NPS Station ID: ARCH0081
LAT/LON: 38.603833/-109.574167
Agency: 21UTAH
Date Created: 01/16/79
Location: COLORADO R AT US191 XING NEAR MOAB
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495700
RMI-Indexes: 1101000
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: MIDDLE COLORADO R COLORADO MAIN STEM
ECO Region:
RF1 Index: 14030005019
RF1 Mile Point: 3.630
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14030005001600.00
RF3 Mile Point: 0.03
Distance from RF3: 0.24
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	172	11.6	11.571	27.	0.	58.003	7.616	1.7	4.8	17.7	22.64
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/22/90-01/21/99	7	14.	13.357	22.	2.	53.56	7.318	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/78-09/30/99	38	5591.	10662.237	68000.	2616.	170452215.537	13055.735	3390.	4047.5	9373.75	30254.
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	155	97.	173.754	1050.	2.8	53905.467	232.176	6.7	18.	230.	450.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	154	1036.	1016.37	2500.	273.	144747.084	380.456	448.5	794.75	1243.75	1481.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	168	1110.	1132.649	3791.	285.	200137.547	447.367	483.4	877.	1399.25	1616.5
00191p	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/02/85-01/21/99	87	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300p	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	156	8.7	8.934	14.3	1.	3.894	1.973	6.7	7.6	10.375	11.83
00310	BOD, 5 DAY, 20 DEG C MG/L	02/19/76-12/09/99	53	1.5	1.821	5.	0.5	1.001	1.	1.	1.	2.	3.
00335p	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	115	11.	104.322	9999.	4.	867094.996	931.179	5.	7.	19.	30.8
00400p	PH (STANDARD UNITS)	01/28/75-01/21/99	121	8.15	8.128	8.6	6.1	0.11	0.331	7.818	8.	8.305	8.5
00400p	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	121	8.15	7.794	8.6	6.1	0.223	0.472	7.818	8.	8.305	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	121	0.007	0.016	0.794	0.003	0.005	0.073	0.003	0.005	0.01	0.015
00405p	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	182	2.	6.379	166.	0.	553.165	23.519	1.	1.	3.	4.
00406p	PH, FIELD, STANDARD UNITS SU	02/19/76-12/09/99	152	8.3	8.245	9.5	7.2	0.115	0.339	7.8	8.1	8.445	8.6
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/19/76-12/09/99	152	8.3	8.1	9.5	7.2	0.136	0.369	7.8	8.1	8.445	8.6
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/19/76-12/09/99	152	0.005	0.008	0.063	0.	0.	0.009	0.003	0.004	0.008	0.016
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	156	145.5	141.333	194.	76.	599.024	24.475	100.1	129.	159.	170.3
00440p	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	157	178.	172.	237.	93.	896.205	29.937	123.2	157.	194.	208.
00445p	CARBONATE ION (MG/L AS CO3)	08/21/78-01/21/99	92	0.	0.239	6.	0.	0.887	0.942	0.	0.	0.	0.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	169	169.	517.212	8640.	1.	946585.985	972.927	15.	43.5	574.	1492.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	160	0.1	0.16	8.1	0.003	0.414	0.643	0.025	0.025	0.1	0.232
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/12/88-10/11/90	19 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/77-01/19/89	59 ##	0.005	0.025	0.25	0.005	0.002	0.041	0.005	0.005	0.025	0.05
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/12/88-10/11/90	19	0.63	0.648	1.02	0.22	0.058	0.24	0.32	0.47	0.84	1.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-01/19/89	83	0.71	0.826	2.55	0.13	0.219	0.468	0.37	0.48	1.05	1.48
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	149	0.6	0.905	6.9	0.05	1.016	1.008	0.2	0.4	0.91	2.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-06/26/97	56	0.57	0.62	1.35	0.17	0.089	0.298	0.271	0.396	0.75	1.1
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/22/90-01/21/99	22	0.545	0.554	0.937	0.16	0.054	0.233	0.228	0.365	0.729	0.903
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	144	0.15	0.229	2.	0.003	0.086	0.294	0.022	0.05	0.283	0.505
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/22/90-01/21/99	24	0.015	0.037	0.474	0.005	0.009	0.094	0.005	0.01	0.02	0.06
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/12/88-06/21/90	19	0.009	0.021	0.236	0.003	0.003	0.053	0.003	0.003	0.018	0.027
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	107	3.7	6.303	39.	1.	41.261	6.423	2.2	2.8	8.	14.16
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	160	329.4	344.521	750.	114.8	15568.833	124.775	170.2	264.8	433.9	499.3
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	161	84.	87.889	204.	30.	1038.979	32.233	45.	67.	110.	128.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	161	29.	29.934	68.	2.	142.456	11.936	12.	22.9	38.5	44.8
00930p	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	156	101.5	102.905	220.	14.	2151.244	46.382	31.4	72.7	140.	168.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	156	4.2	4.531	10.	1.	2.924	1.71	2.	3.045	6.	7.

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

Parameter Inventory for Station: ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	157	98.	100.188	240.	2.2	2864.268	53.519	20.16	61.5	143.75	165.4
00946p	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	157	265.	282.572	750.	51.	18561.	136.239	96.687	198.	370.	450.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-02/18/98	46	0.34	0.334	0.64	0.056	0.013	0.112	0.187	0.268	0.404	0.486
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/28/75-06/09/81	37	10.	10.162	15.	2.	5.917	2.433	7.	9.	12.	14.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/19/76-01/21/99	40 ##	2.5	2.41	10.	0.4	2.067	1.438	1.	2.	2.5	2.77
01002	ARSENIC, TOTAL (UG/L AS AS)	06/29/95-02/13/97	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/75-01/21/99	31	59.	73.484	300.	49.	2530.791	50.307	50.	51.	73.	95.8
01007	BARIUM, TOTAL (UG/L AS BA)	06/29/95-02/13/97	4	73.5	74.	94.	55.	482.	21.954	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/07/95-02/18/98	9 ##	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)	09/21/95-02/13/97	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	01/28/75-06/09/81	37	125.	162.432	400.	40.	7325.863	85.591	72.	112.5	202.5	300.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-01/21/99	32 ##	0.5	3.109	40.	0.5	52.27	7.23	0.5	0.5	4.	8.1
01027	CADMIUM, TOTAL (UG/L AS CD)	06/29/95-02/13/97	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/19/77-01/21/99	31 ##	2.5	4.661	15.	2.5	15.64	3.955	2.5	2.5	7.	10.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/28/75-06/09/81	26	2.5	3.019	6.	1.	1.31	1.144	2.	2.5	3.25	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/29/95-02/13/97	4 ##	2.5	3.375	6.	2.5	3.063	1.75	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	02/19/76-01/21/99	34 ##	6.	8.176	24.	5.	12.998	3.605	5.	6.	10.	10.
01042	COPPER, TOTAL (UG/L AS CU)	06/29/95-02/13/97	4 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/07/75-01/21/99	37	10.	33.878	319.	5.	2937.783	54.201	10.	10.	38.	77.04
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-01/21/99	31 ##	1.5	5.323	30.	1.5	60.559	7.782	1.5	1.5	2.5	20.
01051	LEAD, TOTAL (UG/L AS PB)	06/29/95-02/13/97	4 ##	3.75	5.5	13.	1.5	29.5	5.431	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/29/95-02/13/97	4	49.	55.125	120.	2.5	2767.729	52.609	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/17/77-01/21/99	31	11.	15.387	65.	2.5	182.387	13.505	3.	5.	24.	32.2
01057	THALLIUM, DISSOLVED (UG/L AS TL)	12/07/95-02/18/98	9 ##	0.5	1.056	5.5	0.5	2.778	1.667	0.5	0.5	0.5	5.5
01059	THALLIUM, TOTAL (UG/L AS TL)	09/21/95-02/13/97	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/07/95-02/18/98	9	5.5	5.6	7.9	4.	2.108	1.452	4.	4.	6.9	7.9
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/21/95-02/13/97	2 ##	2.25	2.25	4.	0.5	6.125	2.475	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-02/18/98	18 ##	5.	11.333	25.	4.	79.647	8.925	4.9	5.	21.25	25.
01067	NICKEL, TOTAL (UG/L AS NI)	09/21/95-02/13/97	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-01/21/99	30 ##	1.	1.55	5.	0.5	1.937	1.392	1.	1.	1.	5.
01077	SILVER, TOTAL (UG/L AS AG)	06/29/95-02/13/97	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	12/07/95-02/18/98	9 ##	15.	15.733	20.	1.6	34.34	5.86	1.6	15.	20.	20.
01087	VANADIUM, TOTAL (UG/L AS V)	09/21/95-02/13/97	2 ##	10.75	10.75	20.	1.5	171.125	13.081	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-01/21/99	35 ##	15.	86.914	2500.	5.	176563.257	420.194	5.	10.	15.	32.8
01092	ZINC, TOTAL (UG/L AS ZN)	06/29/95-02/13/97	4 ##	15.	19.5	33.	15.	81.	9.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	12/07/95-02/18/98	9 ##	1.5	1.333	1.5	0.	0.25	0.5	0.	1.5	1.5	1.5
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/21/95-02/13/97	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	06/29/95-02/13/97	4	1623.5	1815.5	4000.	15.	4352757.667	2086.326	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/11/95-01/21/99	11	42.7	52.918	230.	15.	3914.118	62.563	15.	15.	63.	198.4
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/19/76-01/21/99	41	2.5	2.739	10.	0.5	3.743	1.935	0.8	1.	4.	5.
01147	SELENIUM, TOTAL (UG/L AS SE)	06/29/95-02/13/97	4 ##	1.7	1.975	4.	0.5	3.103	1.761	**	**	**	**
01167p	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	110 ##	0.25	0.653	3.5	0.2	0.593	0.77	0.25	0.25	0.5	2.5
01501	ALPHA, TOTAL	05/07/75-02/18/98	50	7.45	11.098	50.	1.	108.387	10.411	2.	4.75	14.	27.9
03501	BETA, TOTAL	05/07/75-02/18/98	54	13.5	22.041	81.	5.	408.092	20.201	5.	5.	33.	55.5
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	08/13/80-05/07/86	7	185.	207.857	500.	4.	45251.143	212.723	**	**	**	**
09501	RADIUM 226, TOTAL	03/15/78-02/18/98	48 ##	0.25	28.364	1084.	0.05	25510.291	159.719	0.145	0.25	1.	2.06
11501	RADIUM 228, TOTAL	05/01/85-02/18/98	17 ##	0.5	0.689	1.01	0.5	0.059	0.243	0.5	0.5	1.	1.002
28012	URANIUM,NATURAL,TOTAL PCI/L AS U	02/16/95-02/18/98	13	4.17	4.421	7.1	1.	3.813	1.953	1.04	3.3	5.95	7.06
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	37	430.	7652.486	240000.	23.	1544676641.868	39302.375	36.6	210.	1950.	4360.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	37	2.633	2.715	5.38	1.362	0.643	0.802	1.554	2.322	3.278	3.639
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			519.113								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	37	90.	2058.392	24000.	4.	34637844.53	5885.392	11.5	23.	430.	6200.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	37	1.954	2.155	4.38	0.602	0.931	0.965	1.061	1.362	2.633	3.717
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			143.036								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/15/78-03/15/79	2 ##	0.023	0.023	0.03	0.015	0.	0.011	**	**	**	**
50051	FLOW, RATE, INSTANTANEOUS MGD	02/14/78-02/14/78	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/18/91-12/09/99	46	385.5	302.109	675.	0.	52345.832	228.792	0.	0.	498.	572.1
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/18/91-12/09/99	46	189.	152.848	290.	0.	10219.599	101.092	0.	65.75	241.	268.7
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	164	722.	736.848	1506.	206.	82226.928	286.752	296.	558.5	926.	1089.
71886p	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/07/75-01/19/89	70	0.03	0.09	0.8	0.003	0.022	0.149	0.01	0.018	0.115	0.22
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/08/92-01/21/99	23 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	06/29/95-02/13/97	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
74010	IRON, TOTAL (MG/L AS FE)	06/29/95-02/13/97	4	0.934	1.019	2.2	0.01	1.309	1.144	**	**	**	**

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

Parameter Inventory for Station: ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82702p	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	106	2.	1.882	6.5	0.25	1.414	1.189	0.5	1.	2.5	3.15
82703p	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	104	0.071	0.08	0.4	0.025	0.004	0.06	0.025	0.025	0.1	0.135
82705p	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	104 ##	0.5	0.784	10.	0.5	1.664	1.29	0.5	0.5	0.5	1.
82706p	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	106 ##	2.5	4.307	45.	2.5	34.603	5.882	2.5	2.5	2.5	10.
82708p	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	108 ##	10.	11.954	49.	5.	69.988	8.366	5.	10.	10.	25.
82710p	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	128	1.48	4.05	99.99	0.03	118.574	10.889	0.16	0.393	3.675	7.62
82711p	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	106 ##	2.5	6.844	40.	2.5	54.64	7.392	2.5	2.5	10.	20.
82712p	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	111	84.	153.631	1400.	5.	48182.89	219.506	20.	35.	167.	347.
82713p	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	109 ##	0.05	0.094	1.32	0.05	0.017	0.132	0.05	0.05	0.1	0.1
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-10/06/83	29 ##	5.	7.483	20.	2.5	22.598	4.754	5.	5.	10.	15.
82716p	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	105 ##	1.	1.19	7.	1.	0.709	0.842	1.	1.	1.	1.
82717	URANIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/10/91-01/10/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
82719p	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	108	20.	30.782	220.	2.5	1098.132	33.138	7.25	10.	37.25	75.5

** - 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: ARCH0081

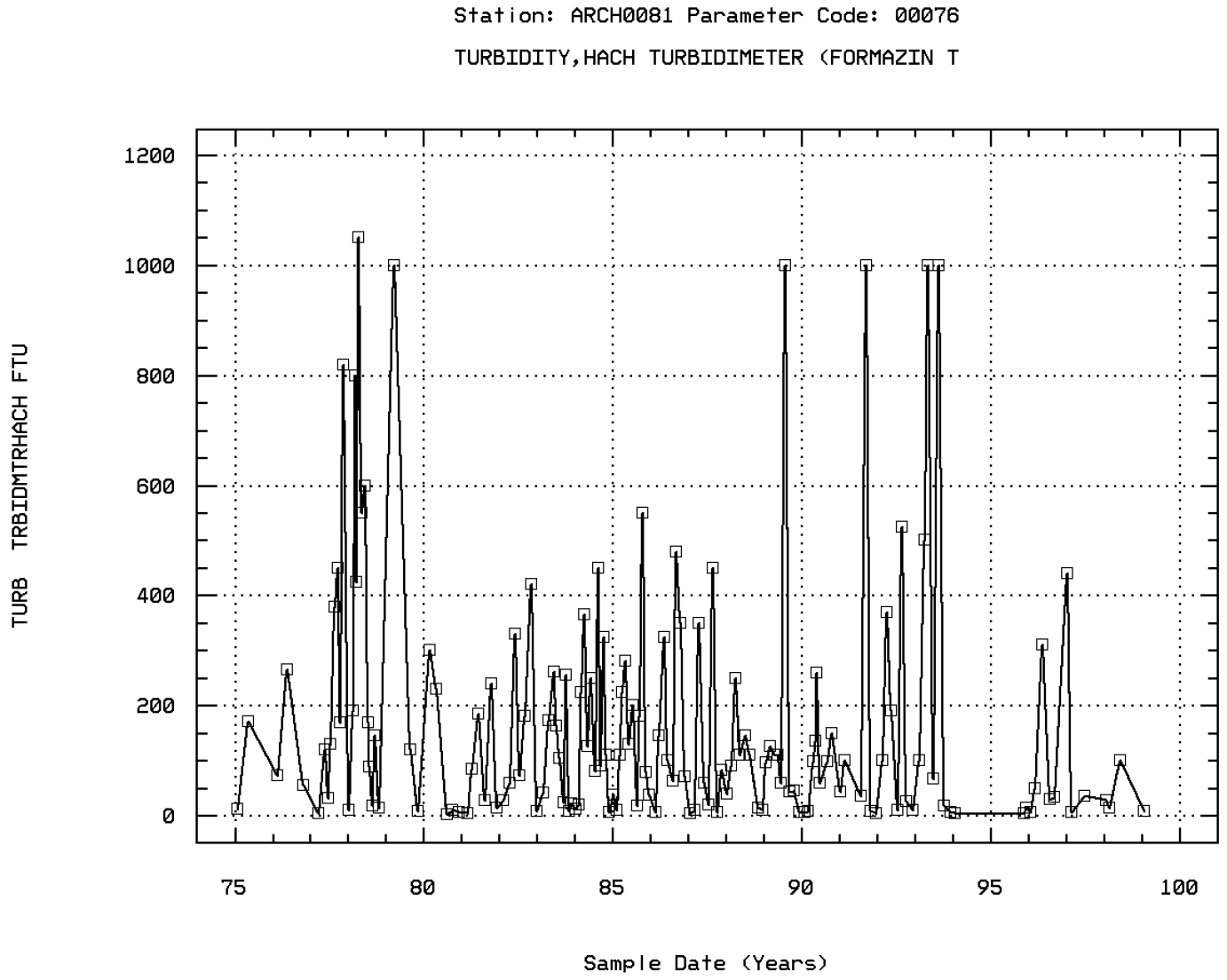
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	155	96	0.62	40	25	0.63	70	29	0.41	27	27	1.00	18	15	0.83
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	156	2	0.01	43	2	0.05	67	0	0.00	27	0	0.00	19	0	0.00
00400	PH	Fresh Chronic	9.	121	0	0.00	34	0	0.00	56	0	0.00	19	0	0.00	12	0	0.00
		Other-Lo Lim.	6.5	121	1	0.01	34	0	0.00	56	0	0.00	19	1	0.05	12	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	152	3	0.02	44	0	0.00	67	2	0.03	23	0	0.00	18	1	0.06
		Other-Lo Lim.	6.5	152	0	0.00	44	0	0.00	67	0	0.00	23	0	0.00	18	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	19	0	0.00	7	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	59	0	0.00	18	0	0.00	26	0	0.00	10	0	0.00	5	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	19	0	0.00	7	0	0.00	6	0	0.00	3	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	83	0	0.00	25	0	0.00	36	0	0.00	14	0	0.00	8	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	56	0	0.00	13	0	0.00	28	0	0.00	8	0	0.00	7	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	22	0	0.00	4	0	0.00	11	0	0.00	5	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	157	0	0.00	41	0	0.00	70	0	0.00	28	0	0.00	18	0	0.00
		Drinking Water	250.	157	0	0.00	41	0	0.00	70	0	0.00	28	0	0.00	18	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	157	85	0.54	41	34	0.83	70	43	0.61	28	6	0.21	18	2	0.11
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	46	0	0.00	11	0	0.00	23	0	0.00	8	0	0.00	4	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	40	0	0.00	8	0	0.00	22	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	50.	40	0	0.00	8	0	0.00	22	0	0.00	7	0	0.00	3	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	31	0	0.00	6	0	0.00	17	0	0.00	6	0	0.00	2	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	9	0	0.00	1	0	0.00	7	0	0.00	1	0	0.00			
		Drinking Water	4.	9	0	0.00	1	0	0.00	7	0	0.00	1	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	32	9	0.28	7	2	0.29	19	5	0.26	5	2	0.40	1	0	0.00
		Drinking Water	5.	32	7	0.22	7	2	0.29	19	3	0.16	5	2	0.40	1	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	5.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	31	0	0.00	7	0	0.00	16	0	0.00	6	0	0.00	2	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	26	0	0.00	5	0	0.00	13	0	0.00	6	0	0.00	2	0	0.00
		Drinking Water	100.	26	0	0.00	5	0	0.00	13	0	0.00	6	0	0.00	2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	34	1	0.03	7	1	0.14	20	0	0.00	6	0	0.00	1	0	0.00
		Drinking Water	1300.	34	0	0.00	7	0	0.00	20	0	0.00	6	0	0.00	1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	1300.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	31	0	0.00	6	0	0.00	18	0	0.00	6	0	0.00	1	0	0.00
		Drinking Water	15.	31	5	0.16	6	0	0.00	18	3	0.17	6	2	0.33	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

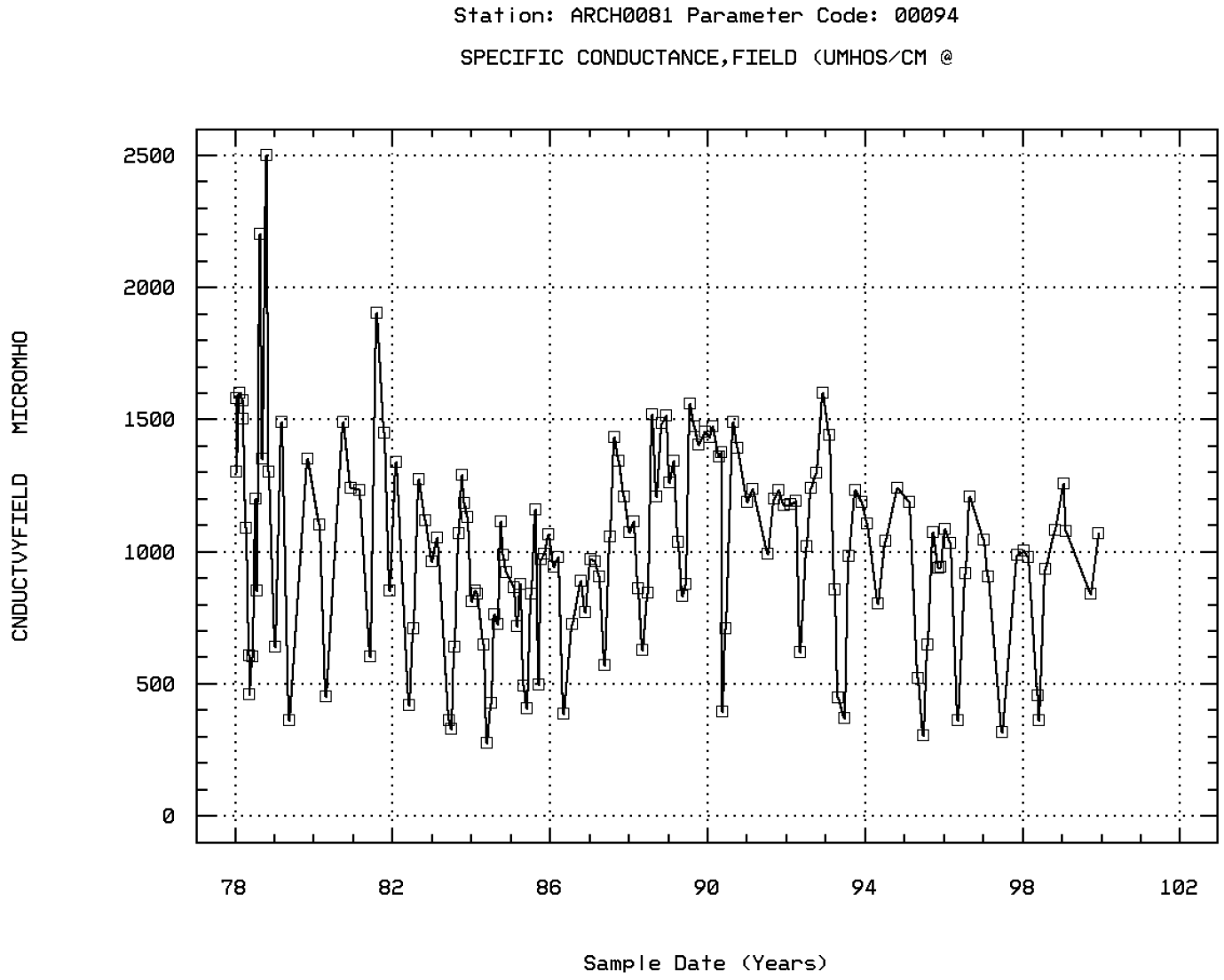
EPA Water Quality Criteria Analysis for Station: ARCH0081

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	15.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	9	0	0.00	1	0	0.00	7	0	0.00	1	0	0.00			
		Drinking Water	2.	8 &	0	0.00	1	0	0.00	6	0	0.00	1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	18	0	0.00	2	0	0.00	12	0	0.00	4	0	0.00			
		Drinking Water	100.	18	0	0.00	2	0	0.00	12	0	0.00	4	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	30	4	0.13	6	0	0.00	17	1	0.06	6	3	0.50	1	0	0.00
		Drinking Water	100.	30	0	0.00	6	0	0.00	17	0	0.00	6	0	0.00	1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	35	1	0.03	6	1	0.17	22	0	0.00	6	0	0.00	1	0	0.00
		Drinking Water	5000.	35	0	0.00	6	0	0.00	22	0	0.00	6	0	0.00	1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	5000.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	9	0	0.00	1	0	0.00	7	0	0.00	1	0	0.00			
		Drinking Water	6.	9	0	0.00	1	0	0.00	7	0	0.00	1	0	0.00			
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	6.	2	0	0.00	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	41	0	0.00	8	0	0.00	23	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	50.	41	0	0.00	8	0	0.00	23	0	0.00	7	0	0.00	3	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	110	0	0.00	32	0	0.00	47	0	0.00	20	0	0.00	11	0	0.00
		Drinking Water	50.	110	0	0.00	32	0	0.00	47	0	0.00	20	0	0.00	11	0	0.00
07000	TRITIUM, TOTAL	Drinking Water	20000.	7	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00			
09501	RADIUM 226, TOTAL	Drinking Water	5.	47 &	1	0.02	14	0	0.00	25	1	0.04	6	0	0.00	2	0	0.00
11501	RADIUM 228, TOTAL	Drinking Water	5.	17	0	0.00	4	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	37	11	0.30	11	6	0.55	19	2	0.11	4	3	0.75	3	0	0.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	37	16	0.43	11	5	0.45	20	6	0.30	4	4	1.00	2	1	0.50
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	23	0	0.00	5	0	0.00	14	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	2.	23	0	0.00	5	0	0.00	14	0	0.00	3	0	0.00	1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	106	0	0.00	29	0	0.00	46	0	0.00	20	0	0.00	11	0	0.00
		Drinking Water	50.	106	0	0.00	29	0	0.00	46	0	0.00	20	0	0.00	11	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	104	0	0.00	28	0	0.00	45	0	0.00	20	0	0.00	11	0	0.00
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	104	2	0.02	28	1	0.04	45	1	0.02	20	0	0.00	11	0	0.00
		Drinking Water	5.	104	2	0.02	28	1	0.04	45	1	0.02	20	0	0.00	11	0	0.00
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	106	0	0.00	28	0	0.00	46	0	0.00	20	0	0.00	12	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	108	15	0.14	30	7	0.23	47	3	0.06	20	4	0.20	11	1	0.09
		Drinking Water	1300.	108	0	0.00	30	0	0.00	47	0	0.00	20	0	0.00	11	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	106	0	0.00	29	0	0.00	46	0	0.00	20	0	0.00	11	0	0.00
		Drinking Water	15.	106	14	0.13	29	6	0.21	46	1	0.02	20	4	0.20	11	3	0.27
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	109	0	0.00	29	0	0.00	47	0	0.00	22	0	0.00	11	0	0.00
		Drinking Water	2.	109	0	0.00	29	0	0.00	47	0	0.00	22	0	0.00	11	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	29	0	0.00	9	0	0.00	11	0	0.00	4	0	0.00	5	0	0.00
		Drinking Water	100.	29	0	0.00	9	0	0.00	11	0	0.00	4	0	0.00	5	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	104 &	2	0.02	28	1	0.04	44	0	0.00	20	0	0.00	12	1	0.08
		Drinking Water	100.	105	0	0.00	28	0	0.00	45	0	0.00	20	0	0.00	12	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	108	4	0.04	29	2	0.07	47	1	0.02	20	0	0.00	12	1	0.08
		Drinking Water	5000.	108	0	0.00	29	0	0.00	47	0	0.00	20	0	0.00	12	0	0.00

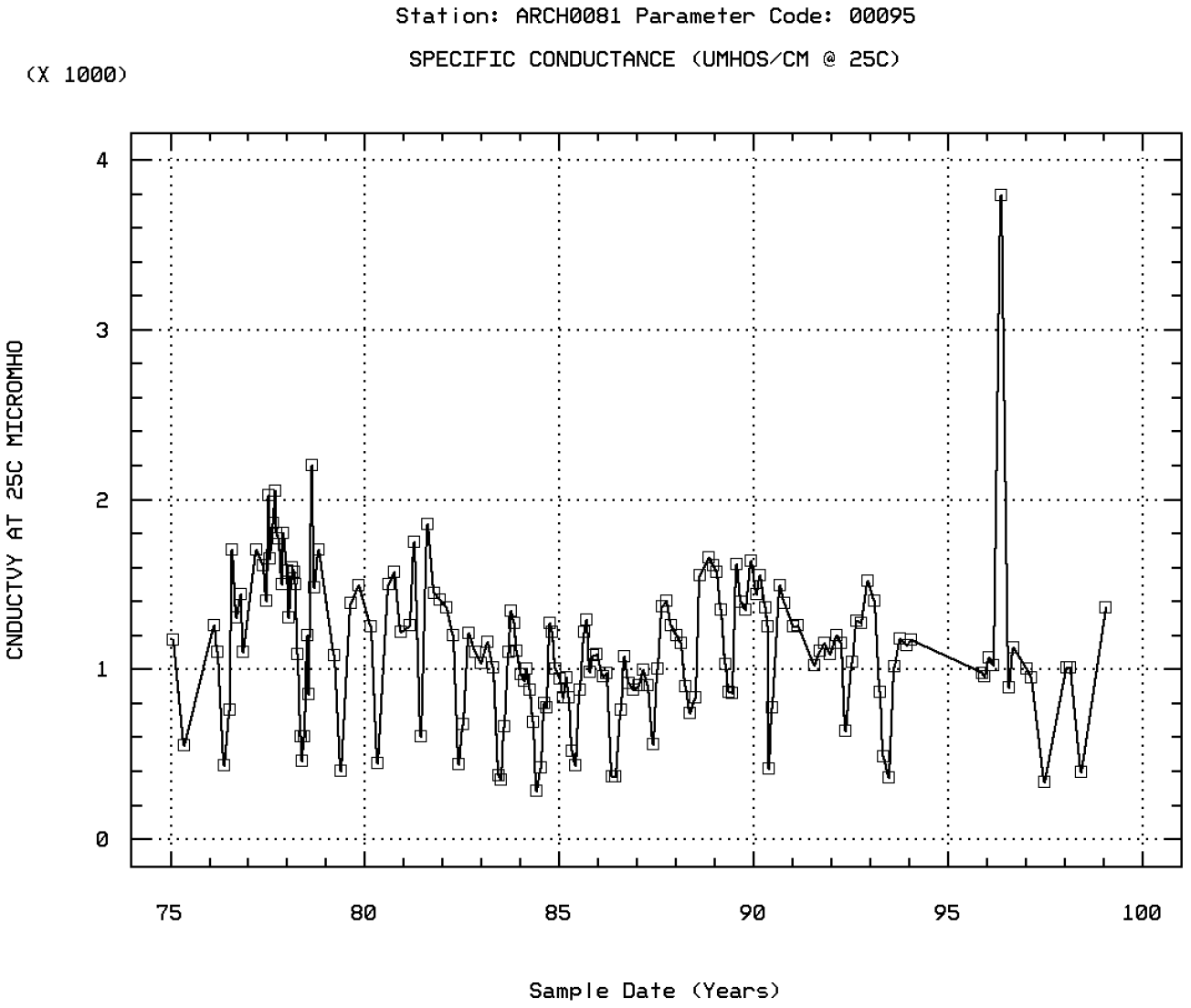
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



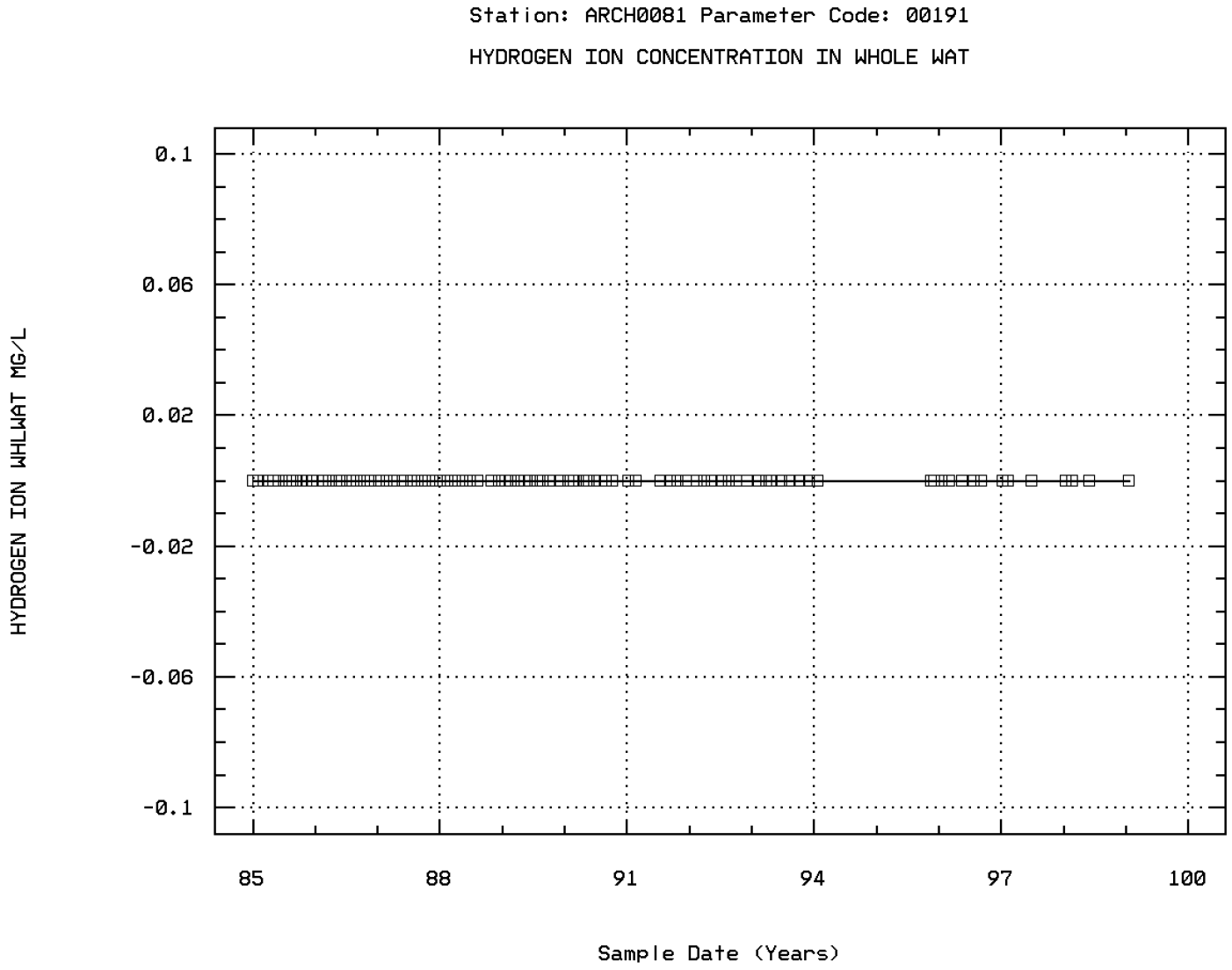
COLORADO R AT US191 XING NEAR MOAB



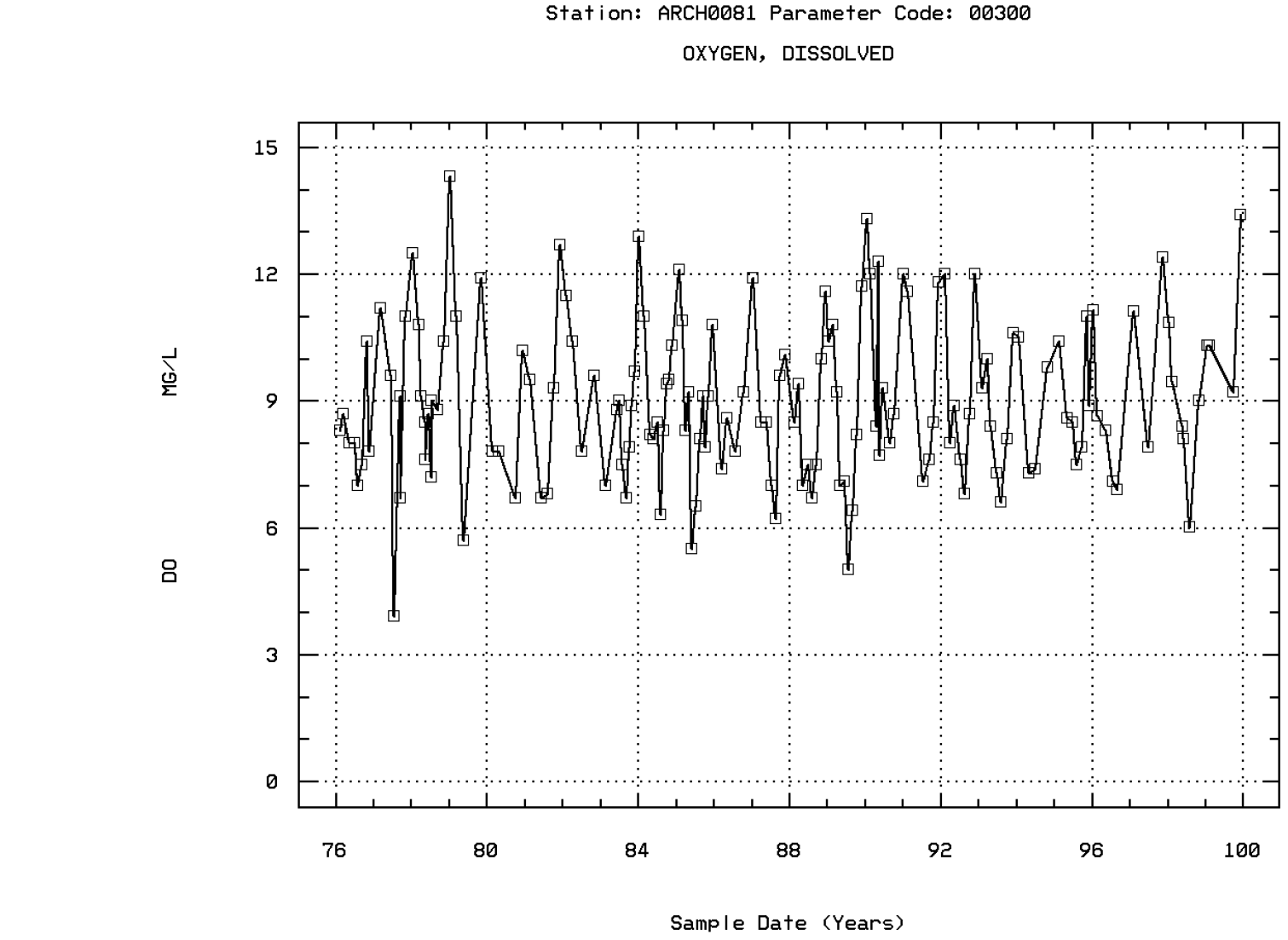
COLORADO R AT US191 XING NEAR MOAB



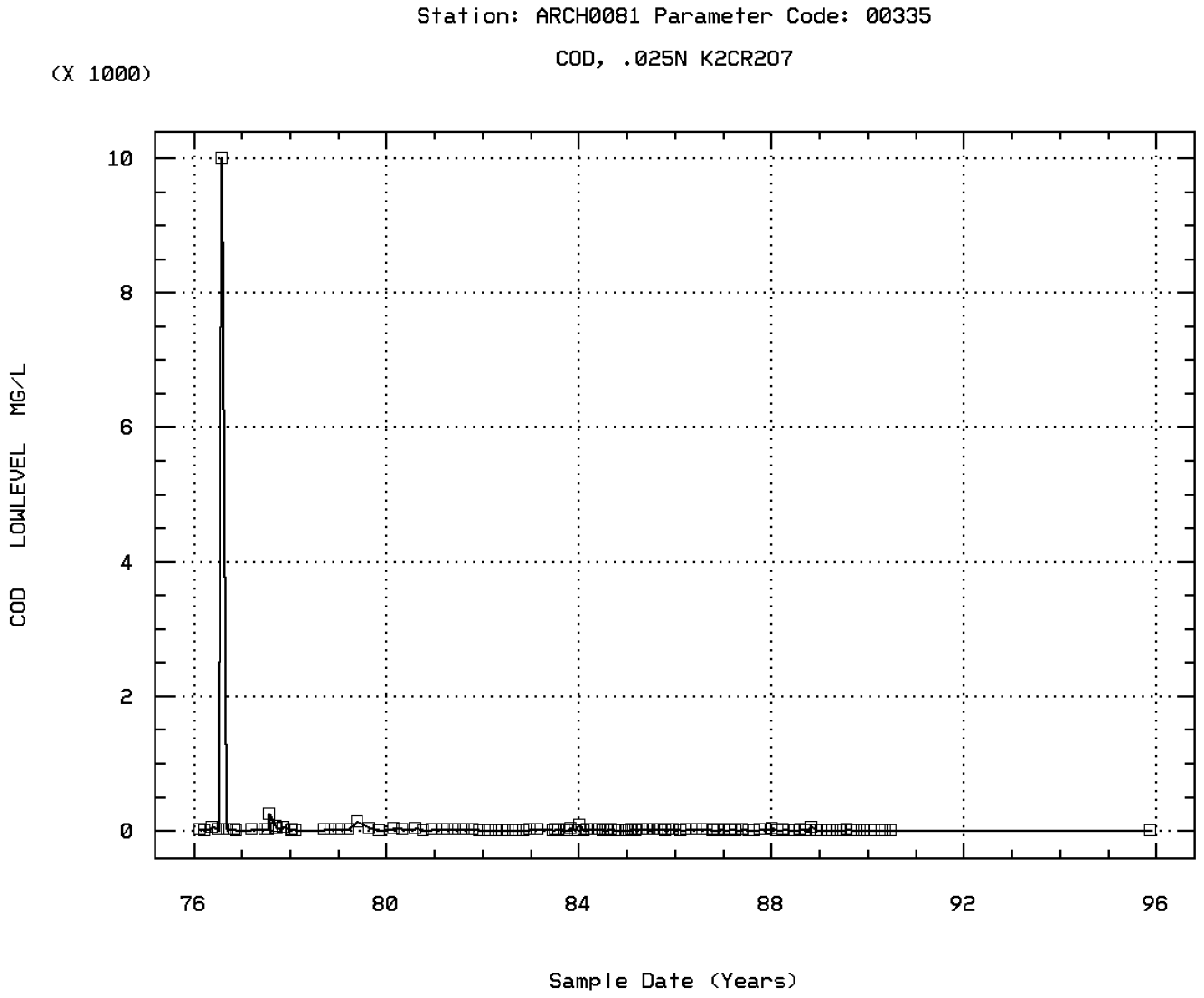
COLORADO R AT US191 XING NEAR MOAB



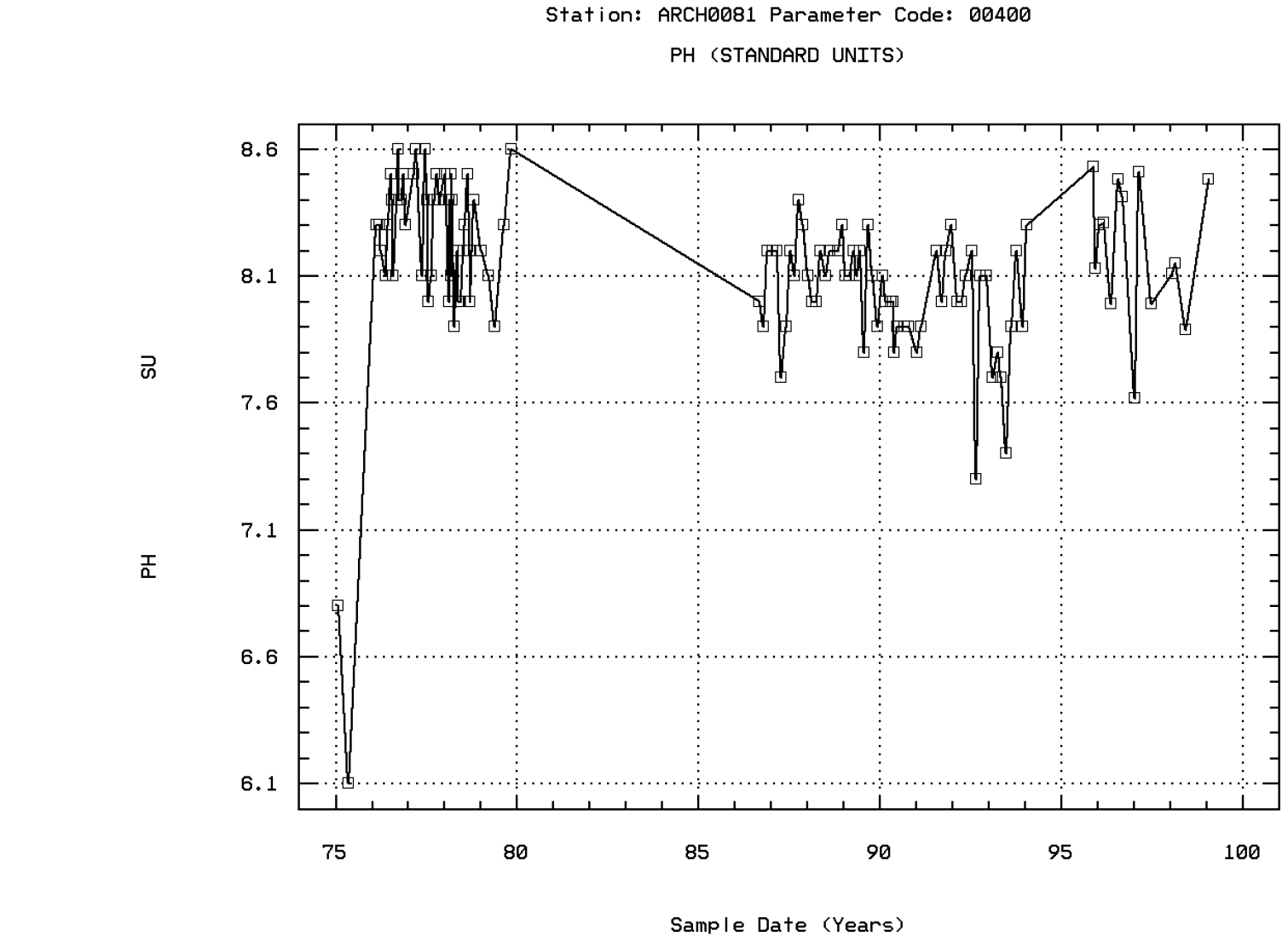
COLORADO R AT US191 XING NEAR MOAB



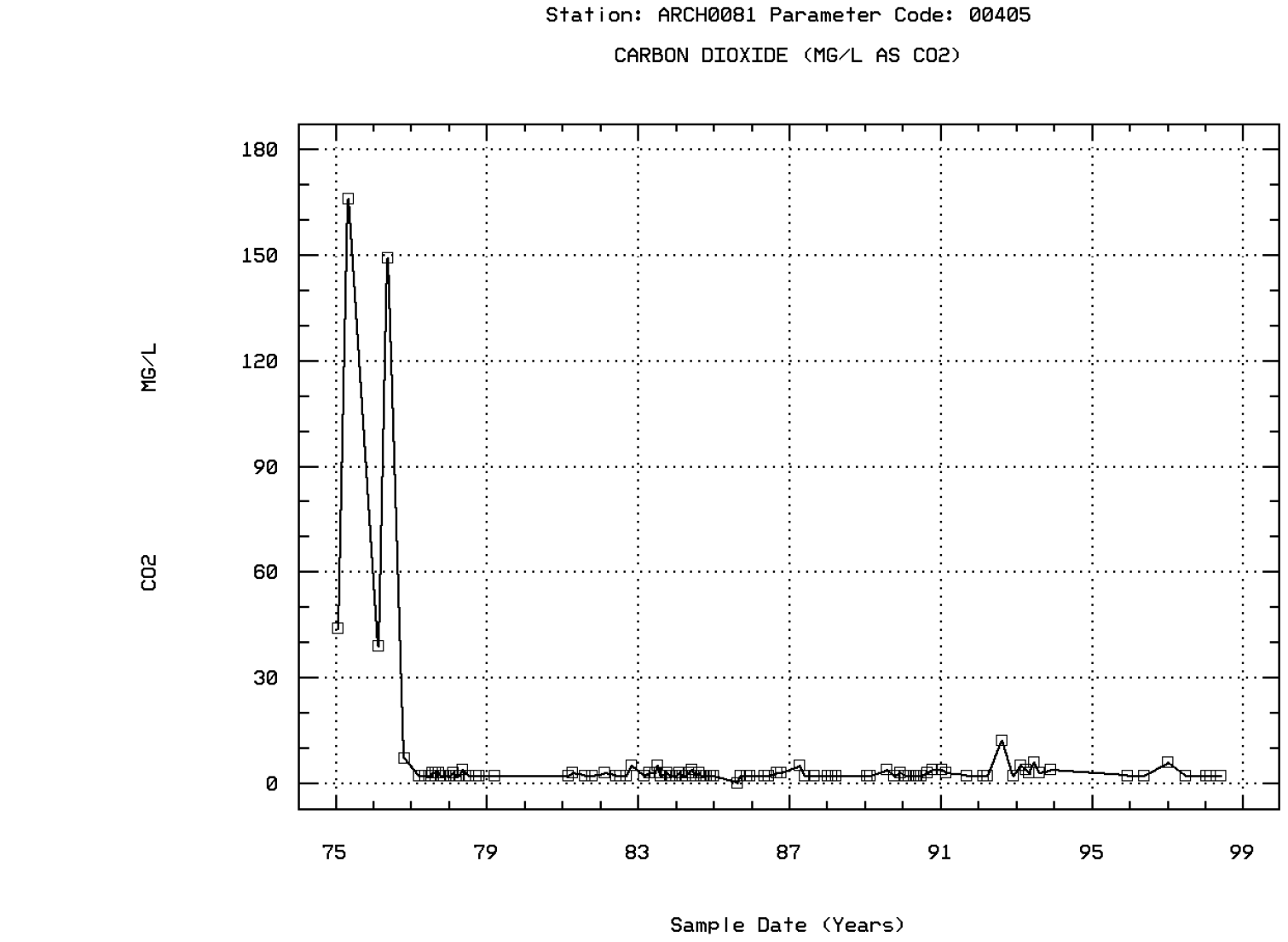
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB



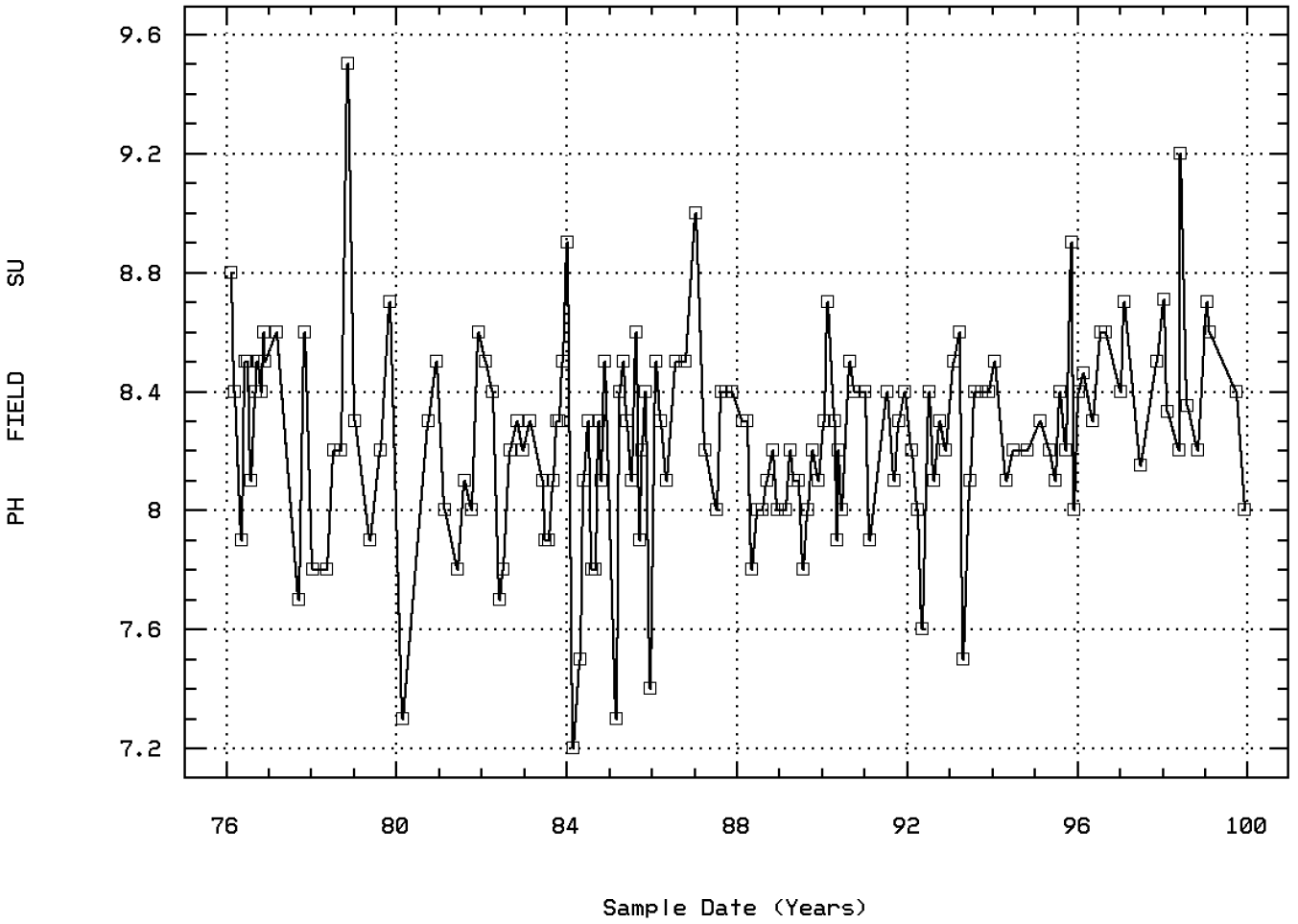
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00406

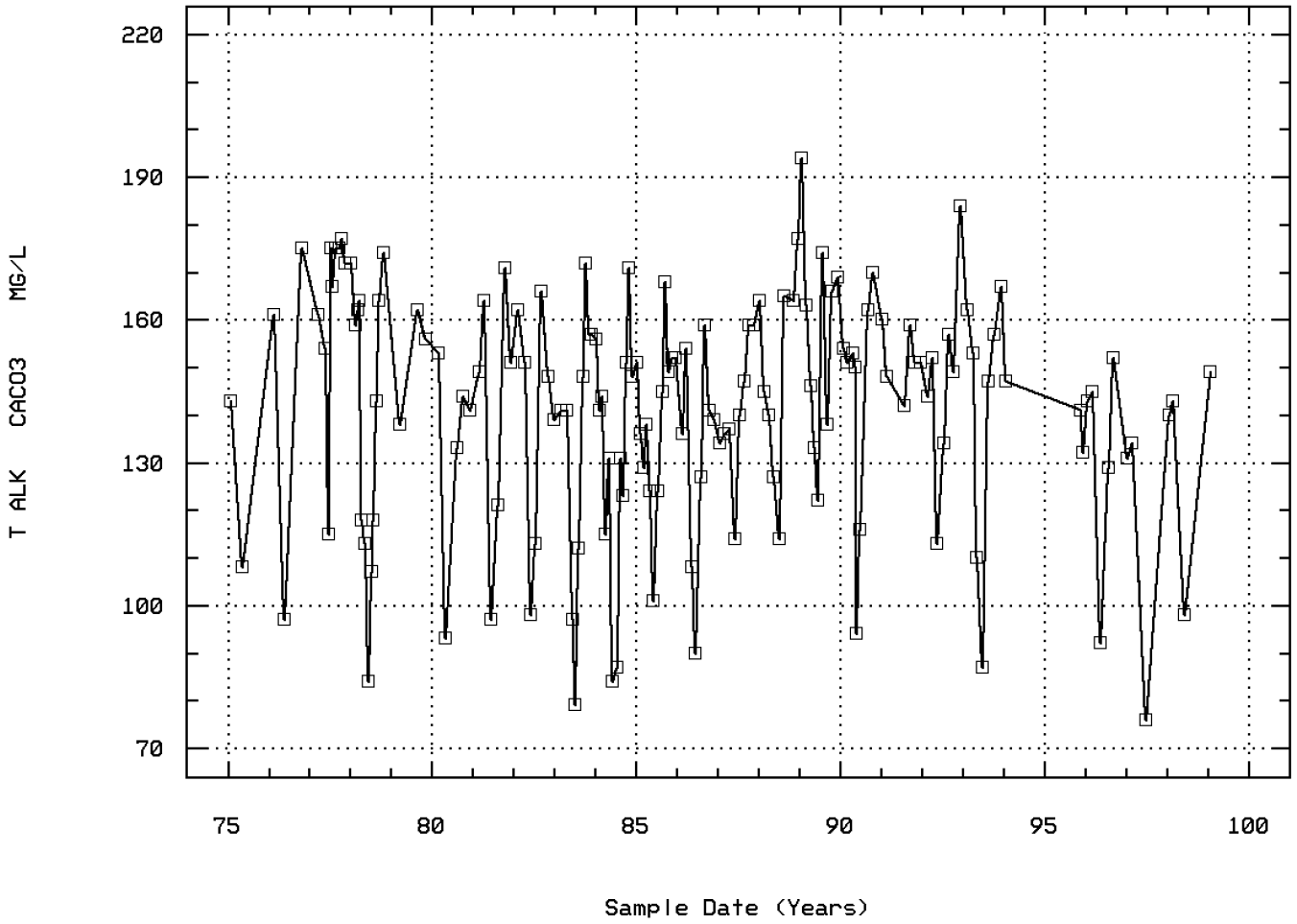
PH, FIELD, STANDARD UNITS



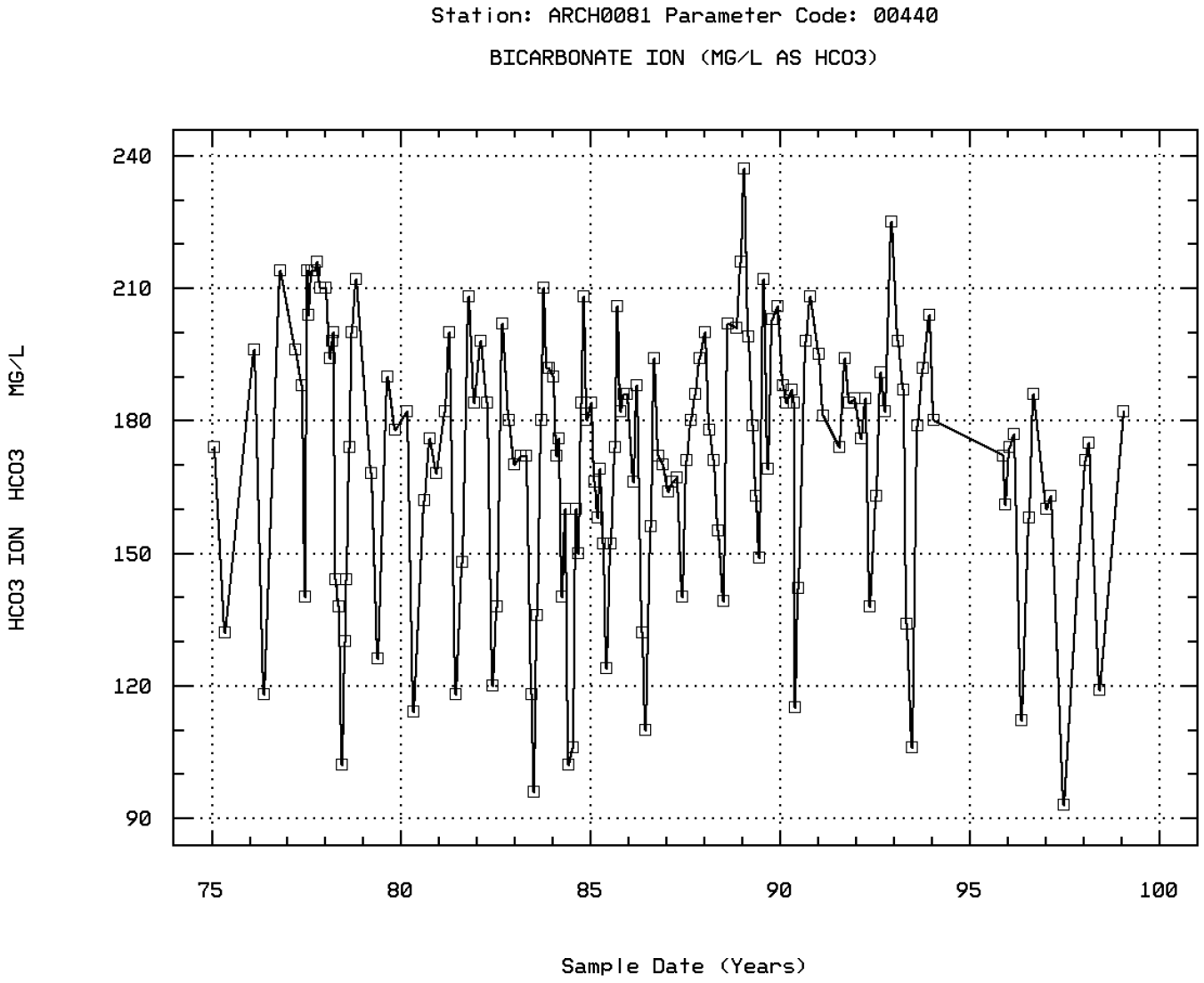
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00410

ALKALINITY, TOTAL (MG/L AS CACO3)



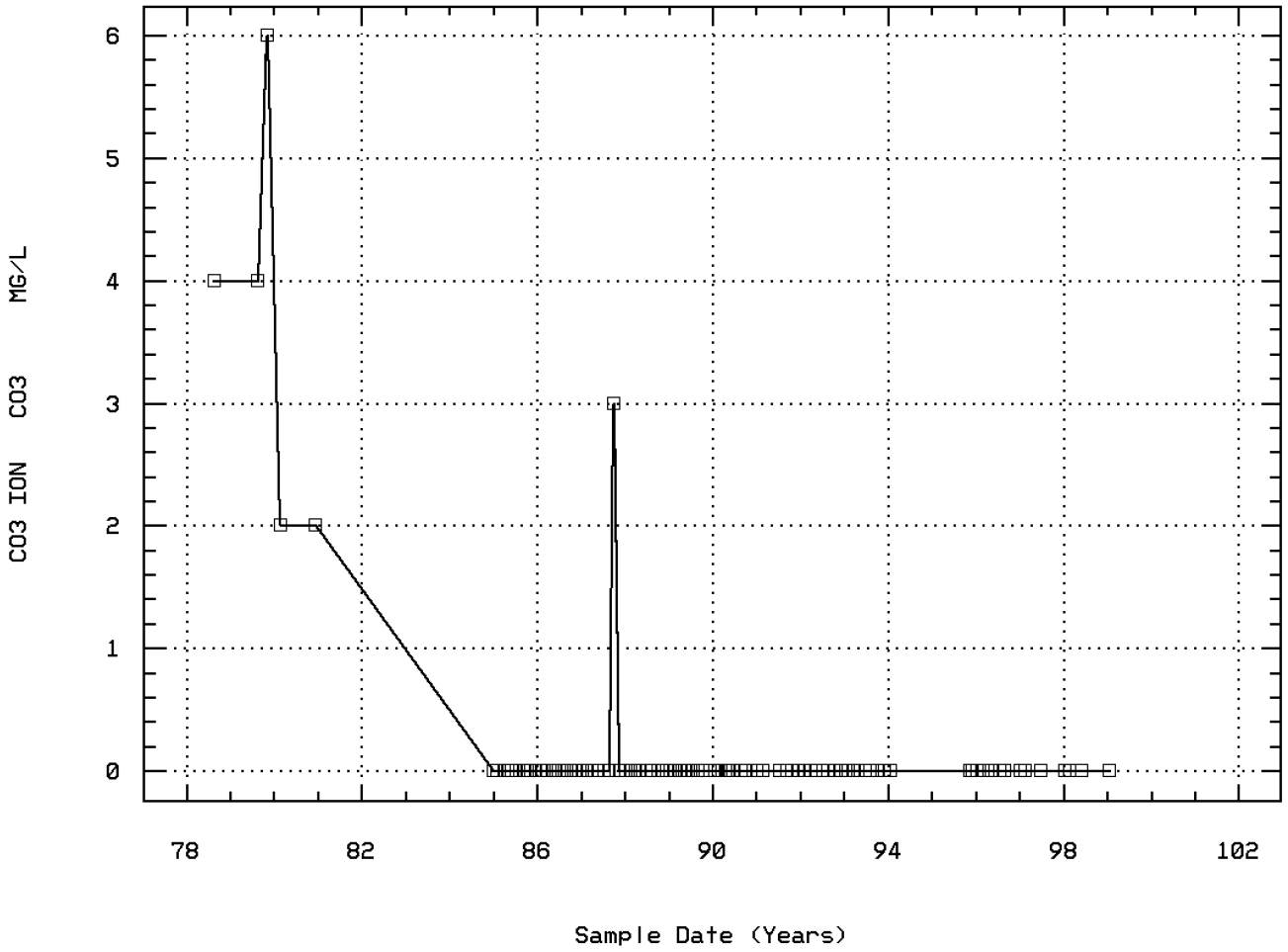
COLORADO R AT US191 XING NEAR MOAB



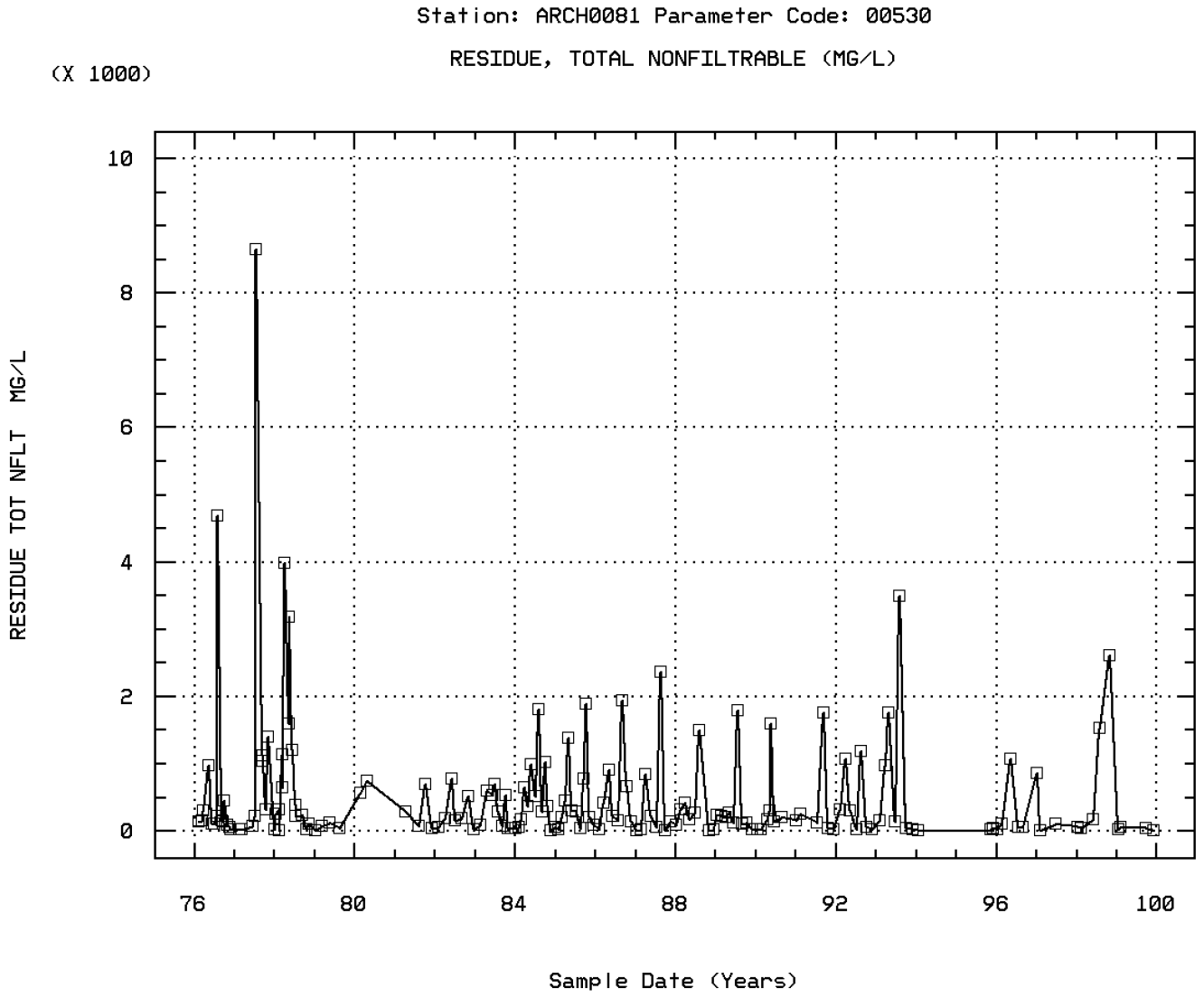
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00445

CARBONATE ION (MG/L AS CO3)



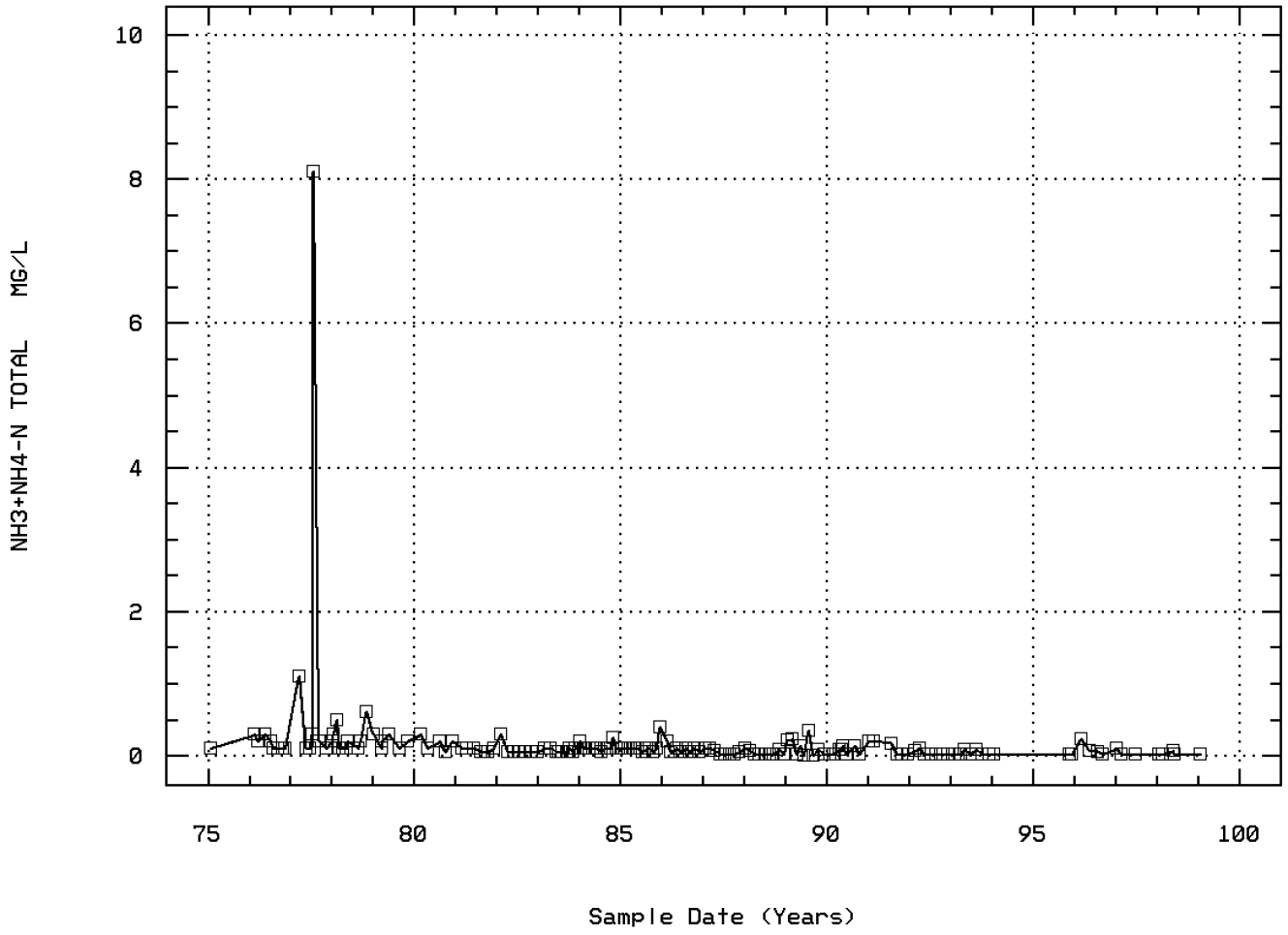
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00610

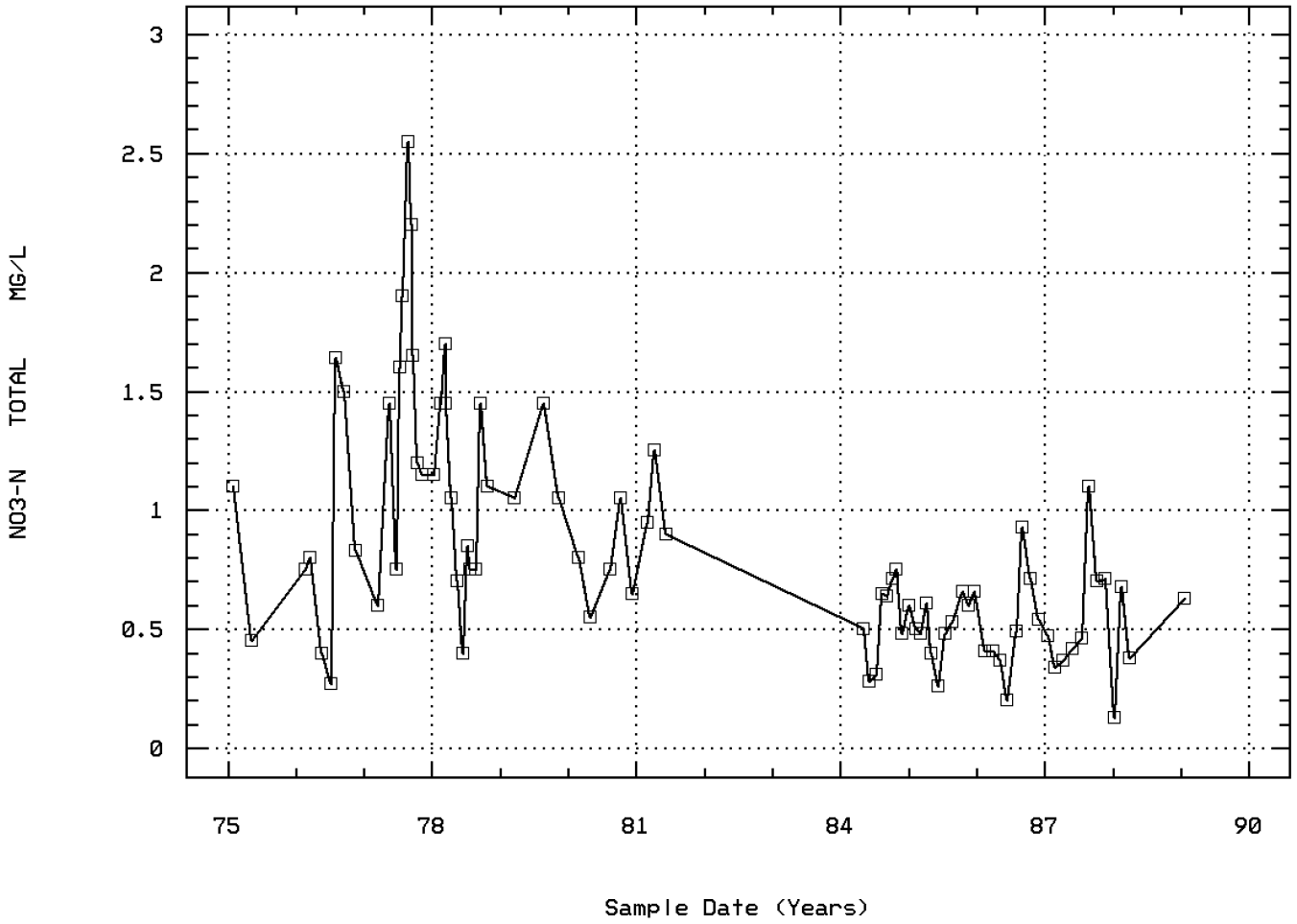
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00620

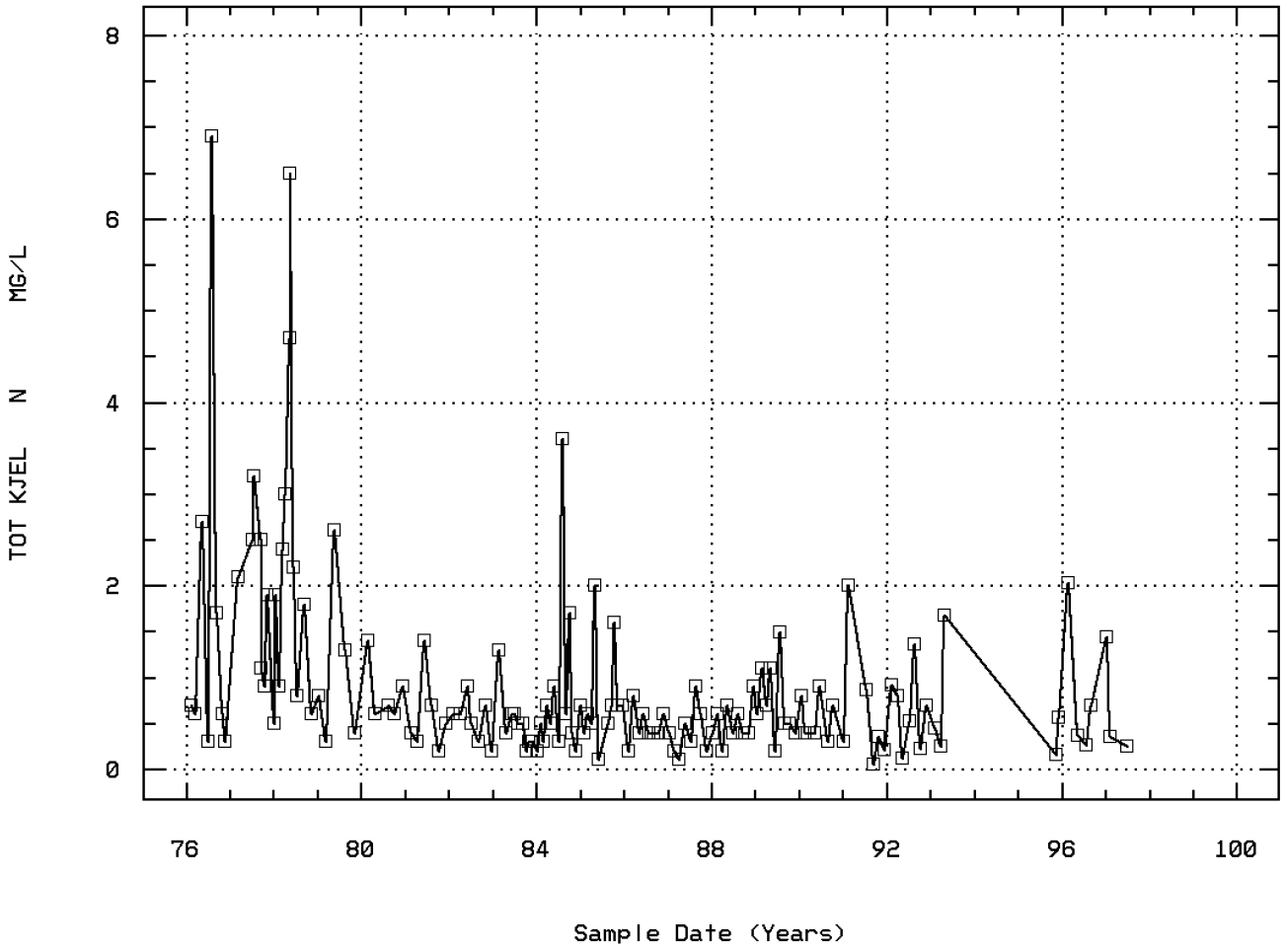
NITRATE NITROGEN, TOTAL (MG/L AS N)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00625

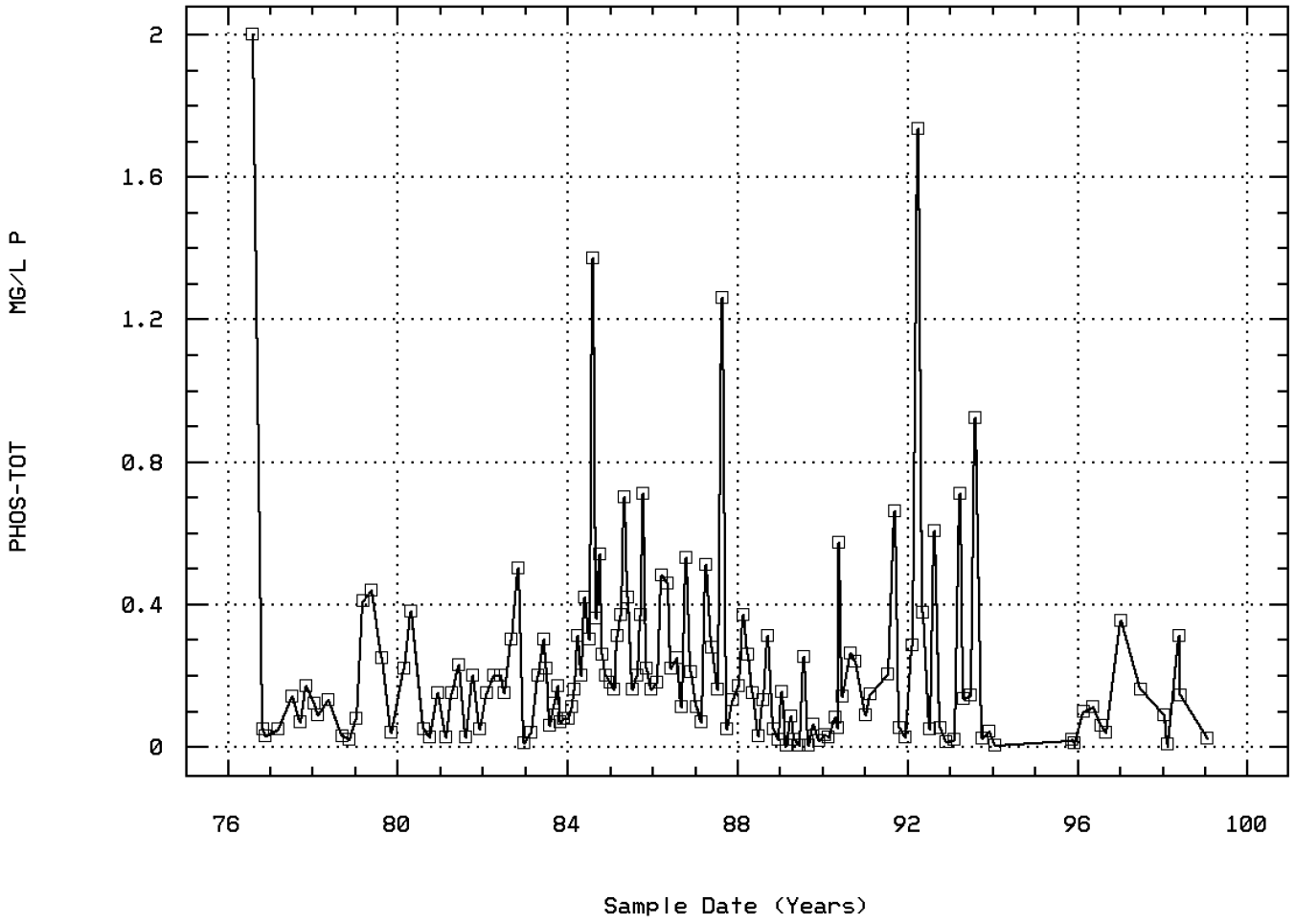
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00665

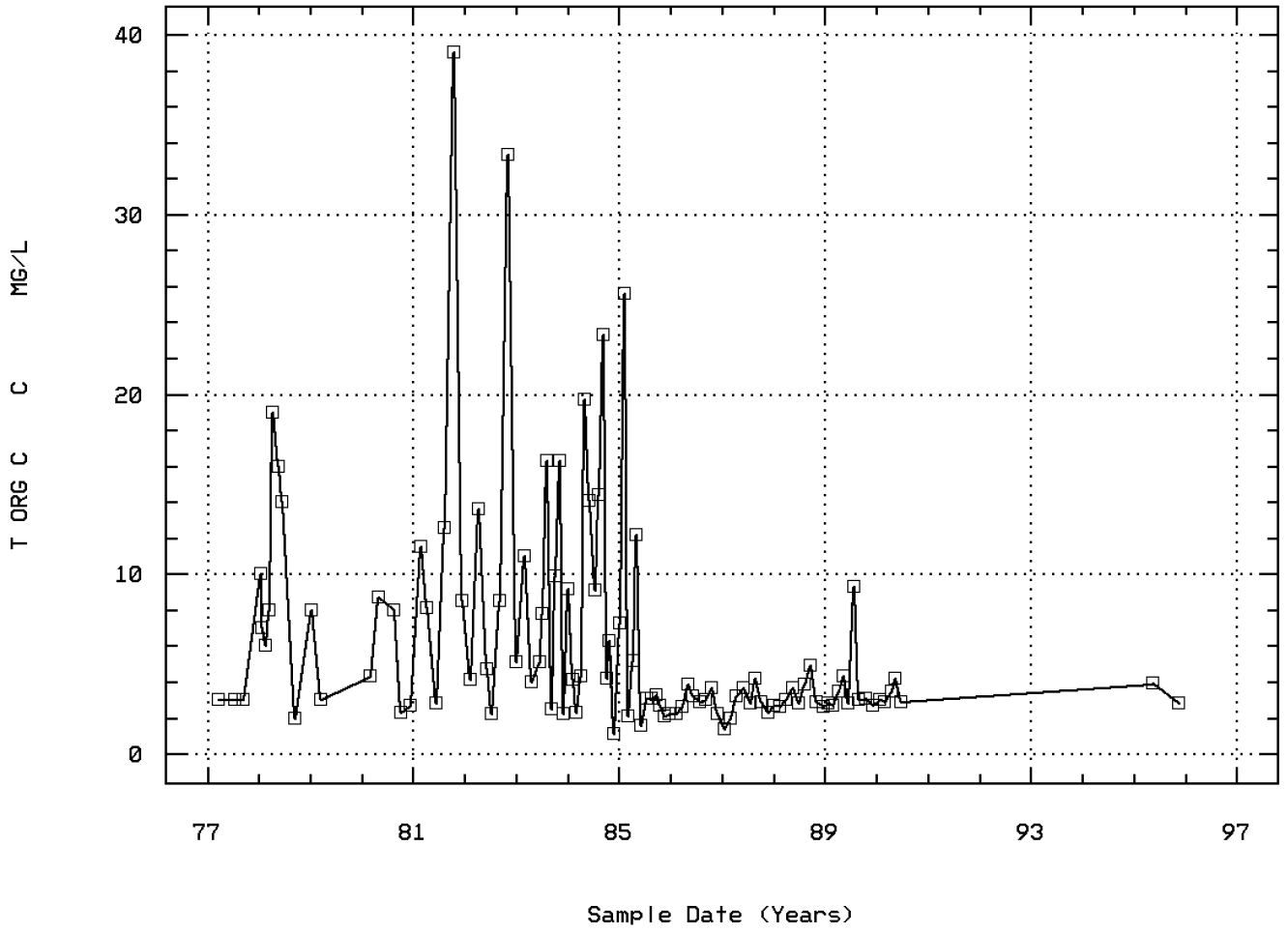
PHOSPHORUS, TOTAL (MG/L AS P)



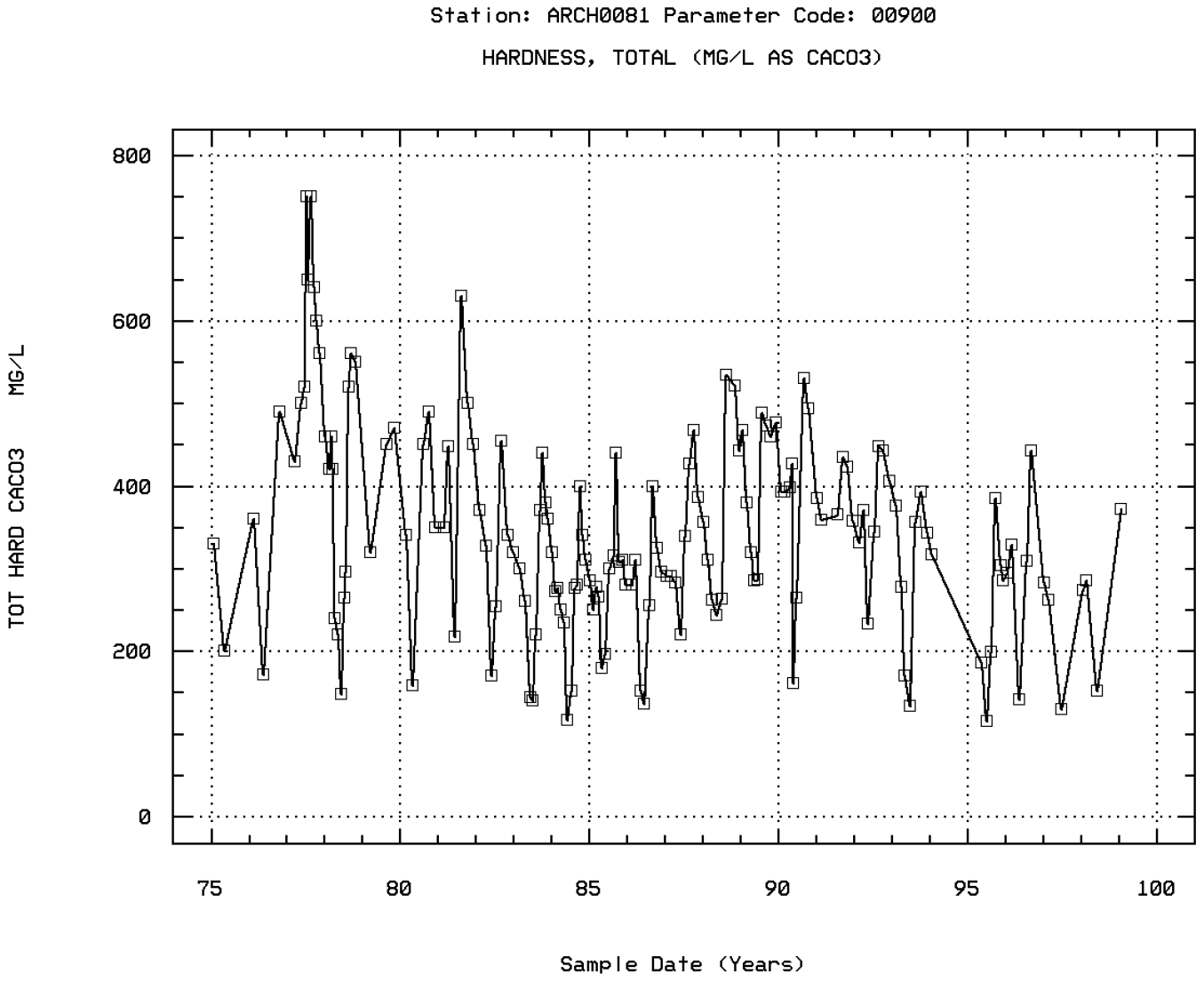
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00680

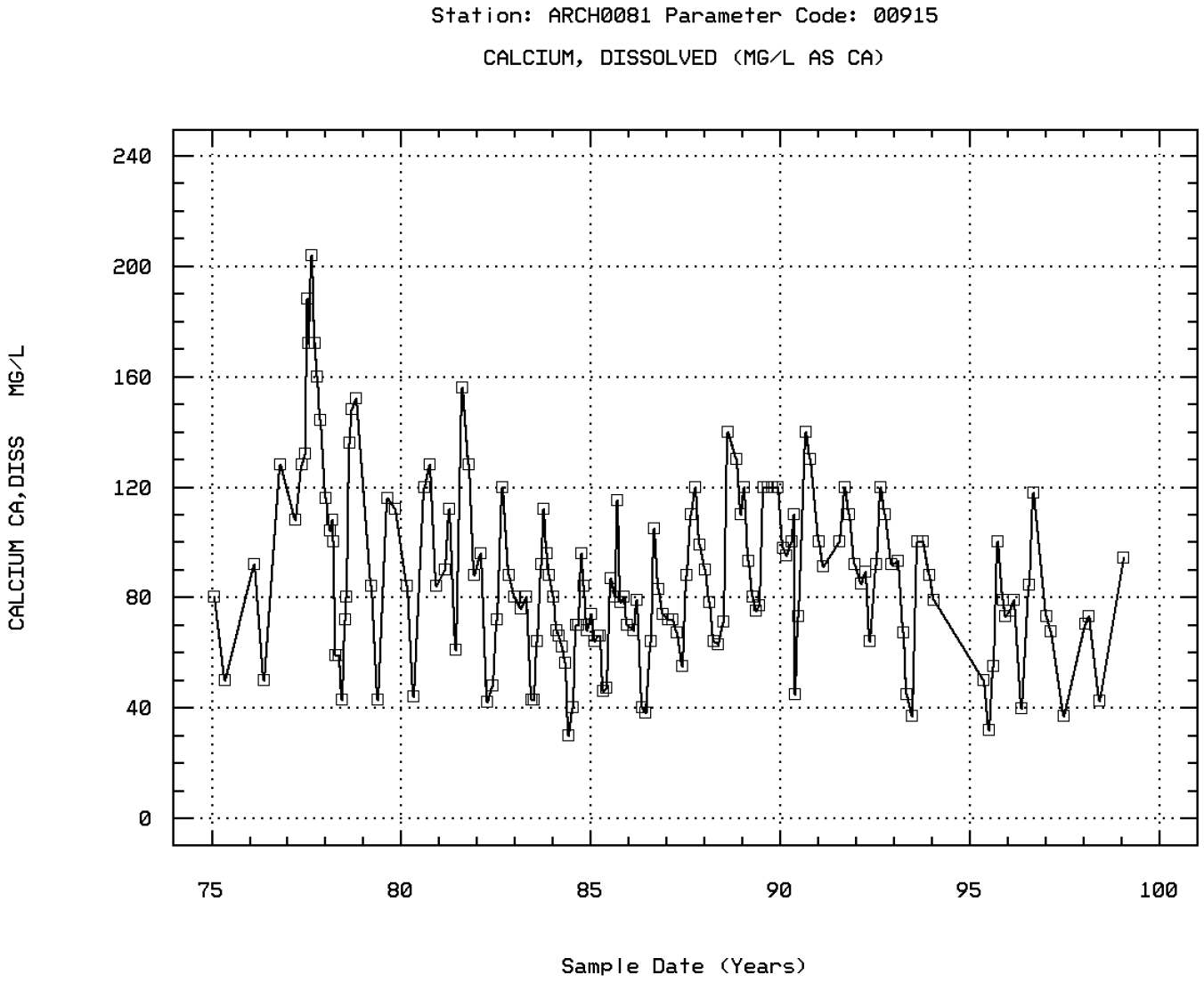
CARBON, TOTAL ORGANIC (MG/L AS C)



COLORADO R AT US191 XING NEAR MOAB



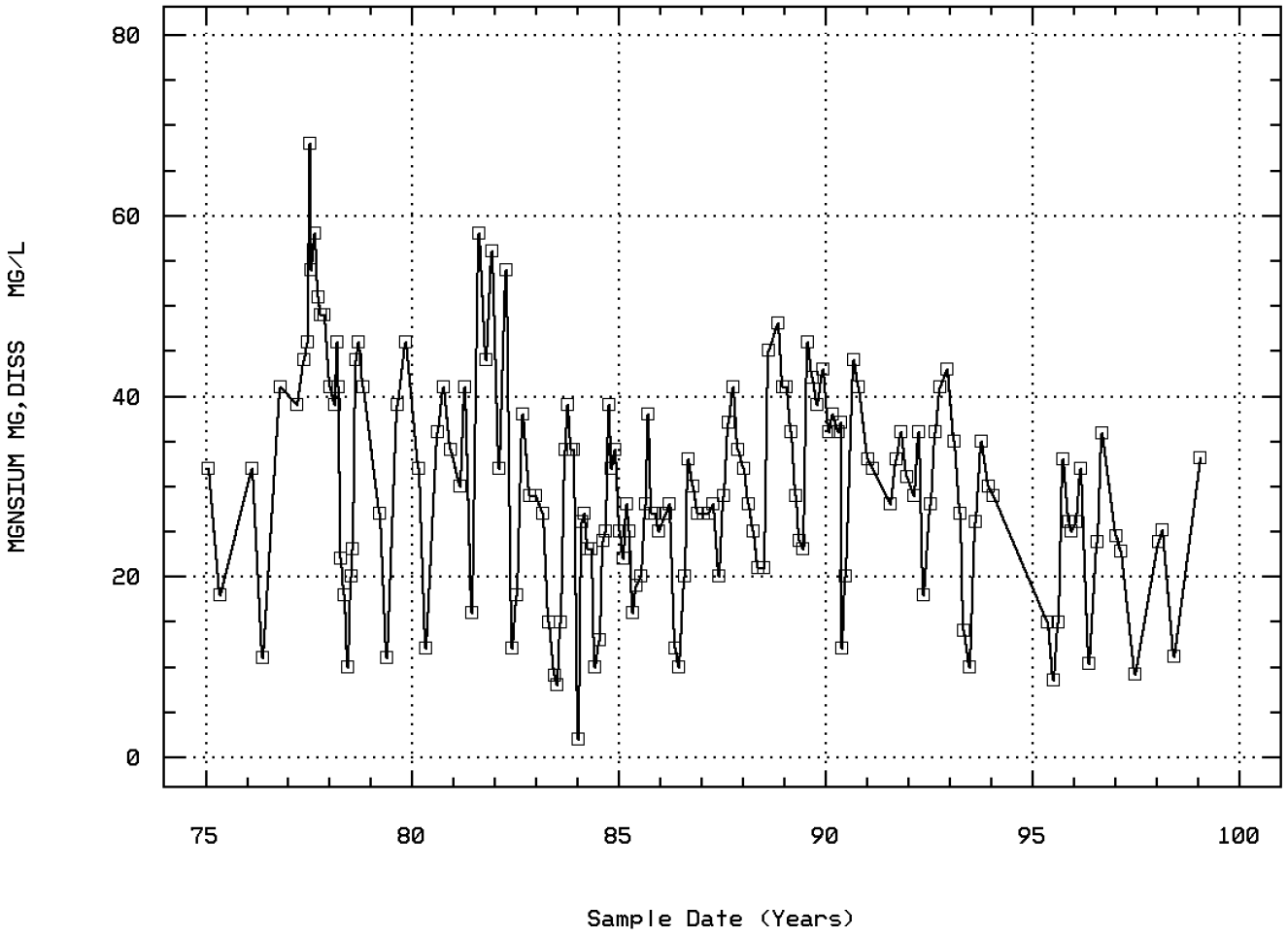
COLORADO R AT US191 XING NEAR MOAB



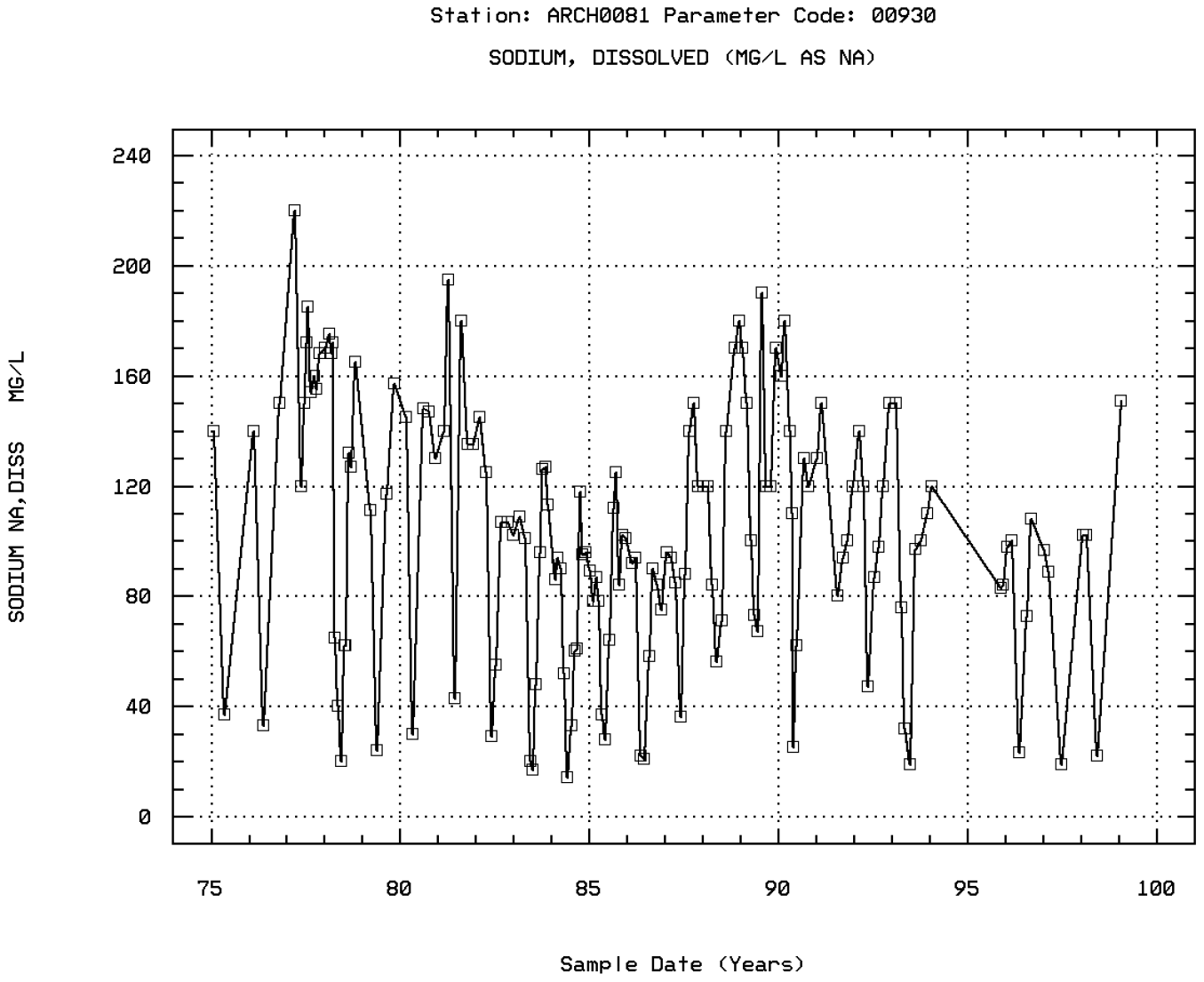
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00925

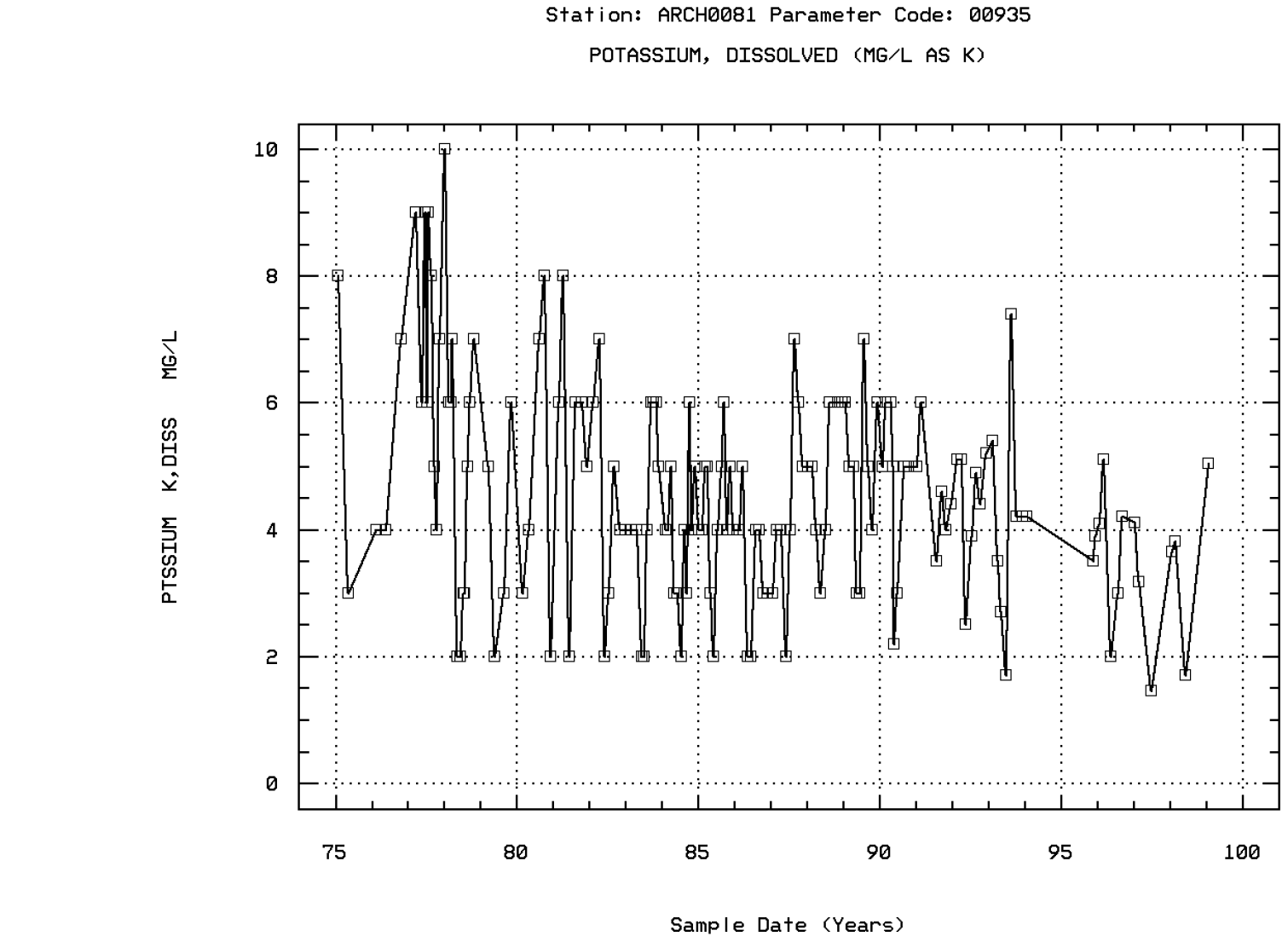
MAGNESIUM, DISSOLVED (MG/L AS MG)



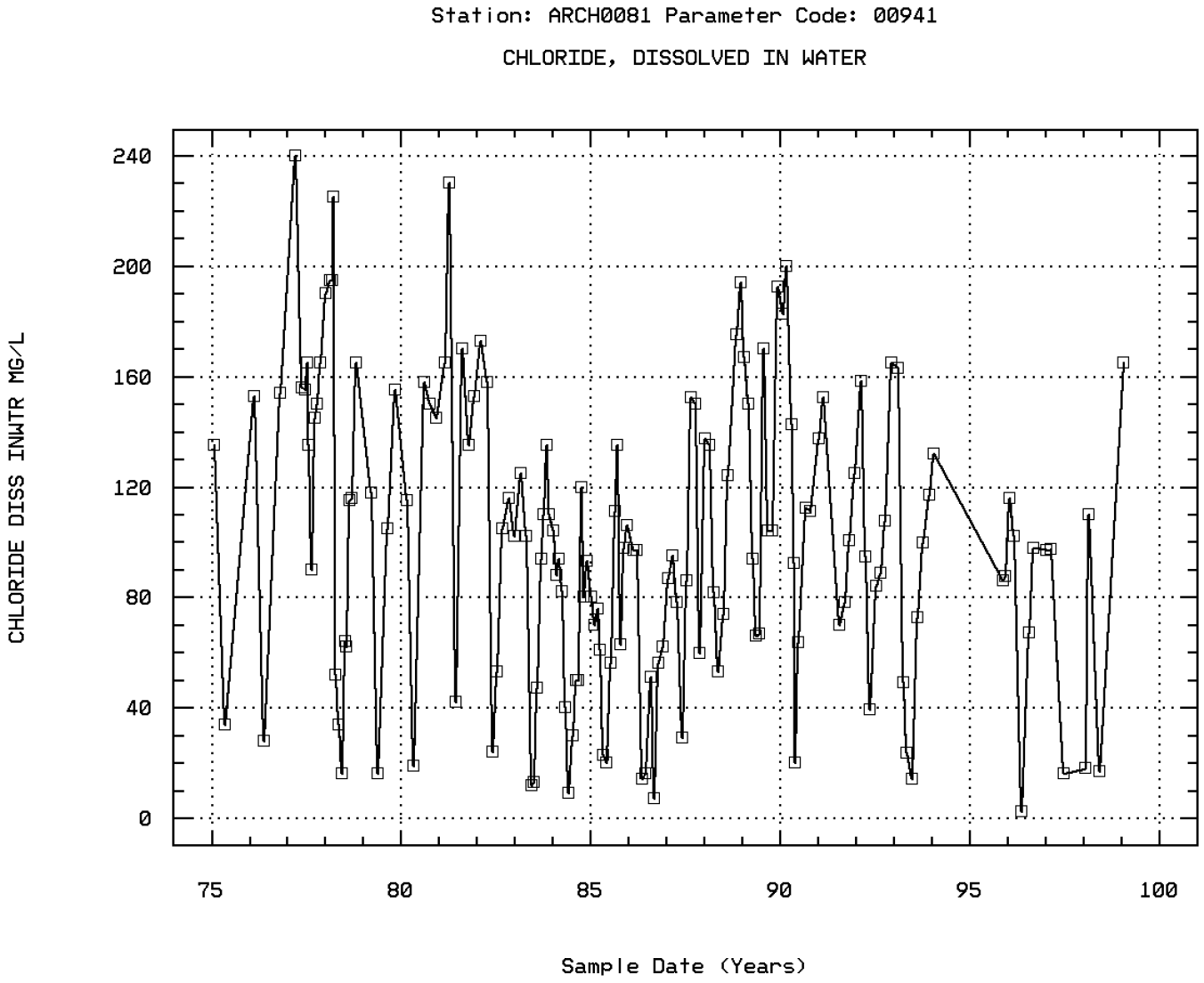
COLORADO R AT US191 XING NEAR MOAB



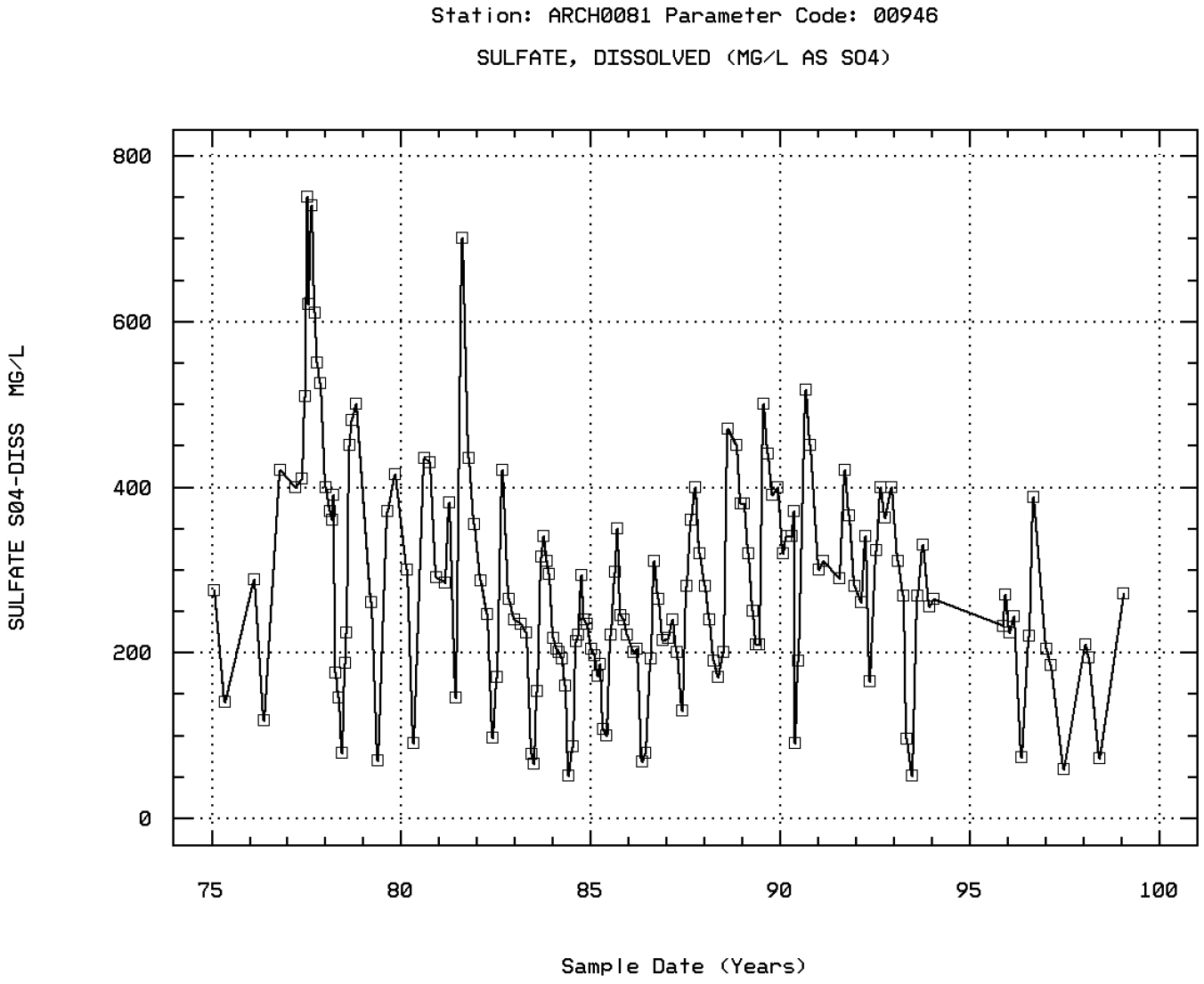
COLORADO R AT US191 XING NEAR MOAB



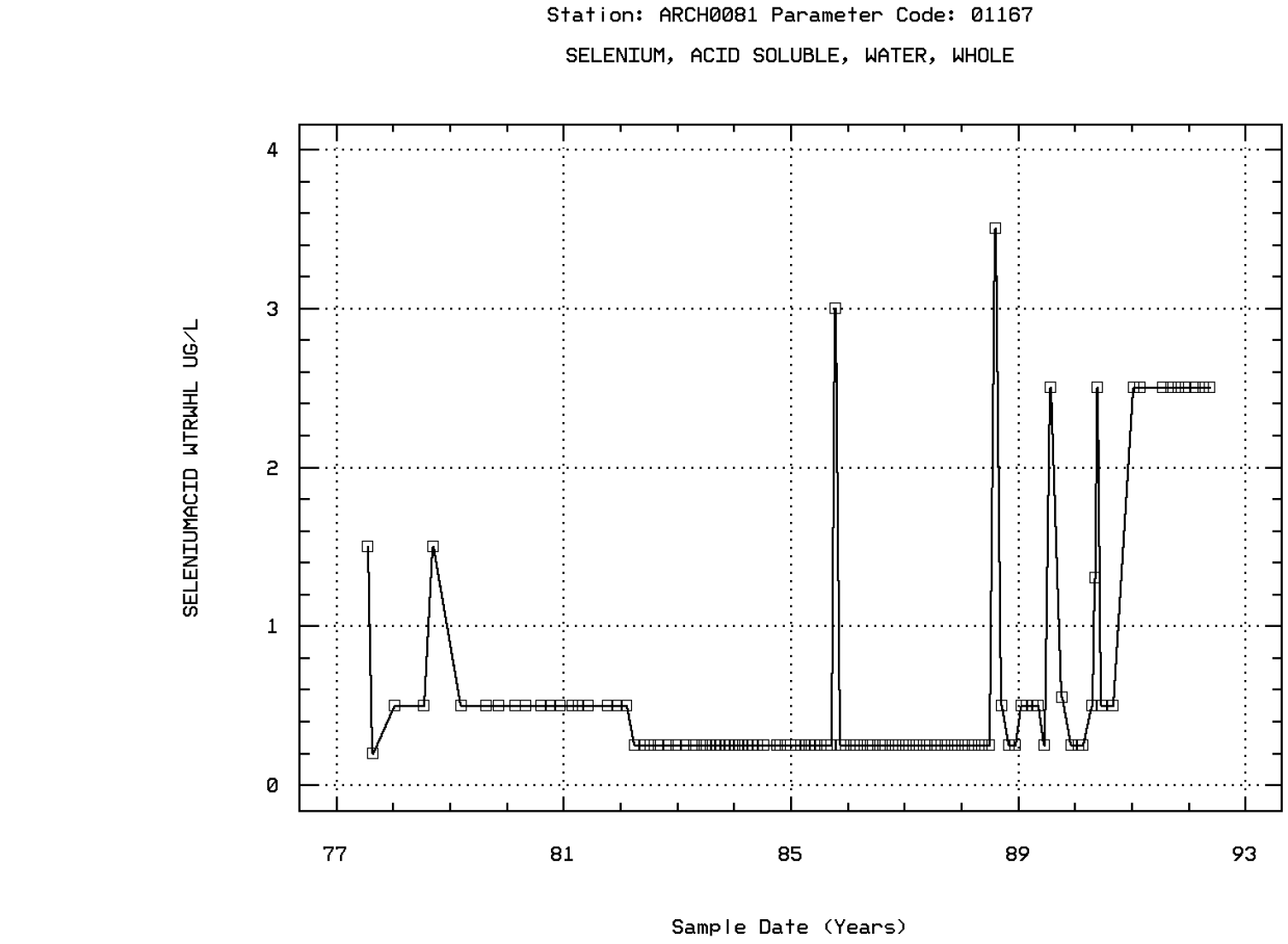
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB



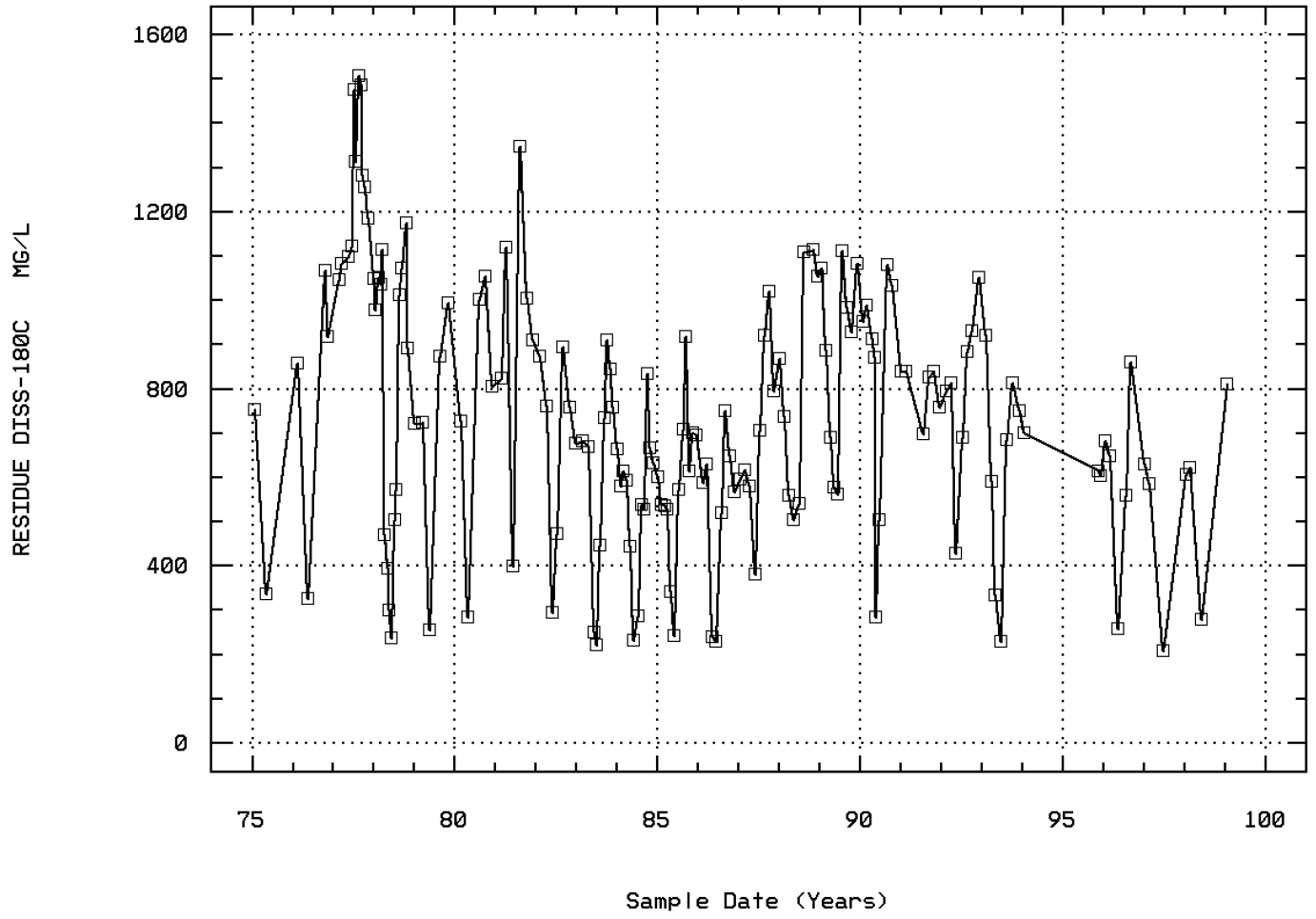
COLORADO R AT US191 XING NEAR MOAB



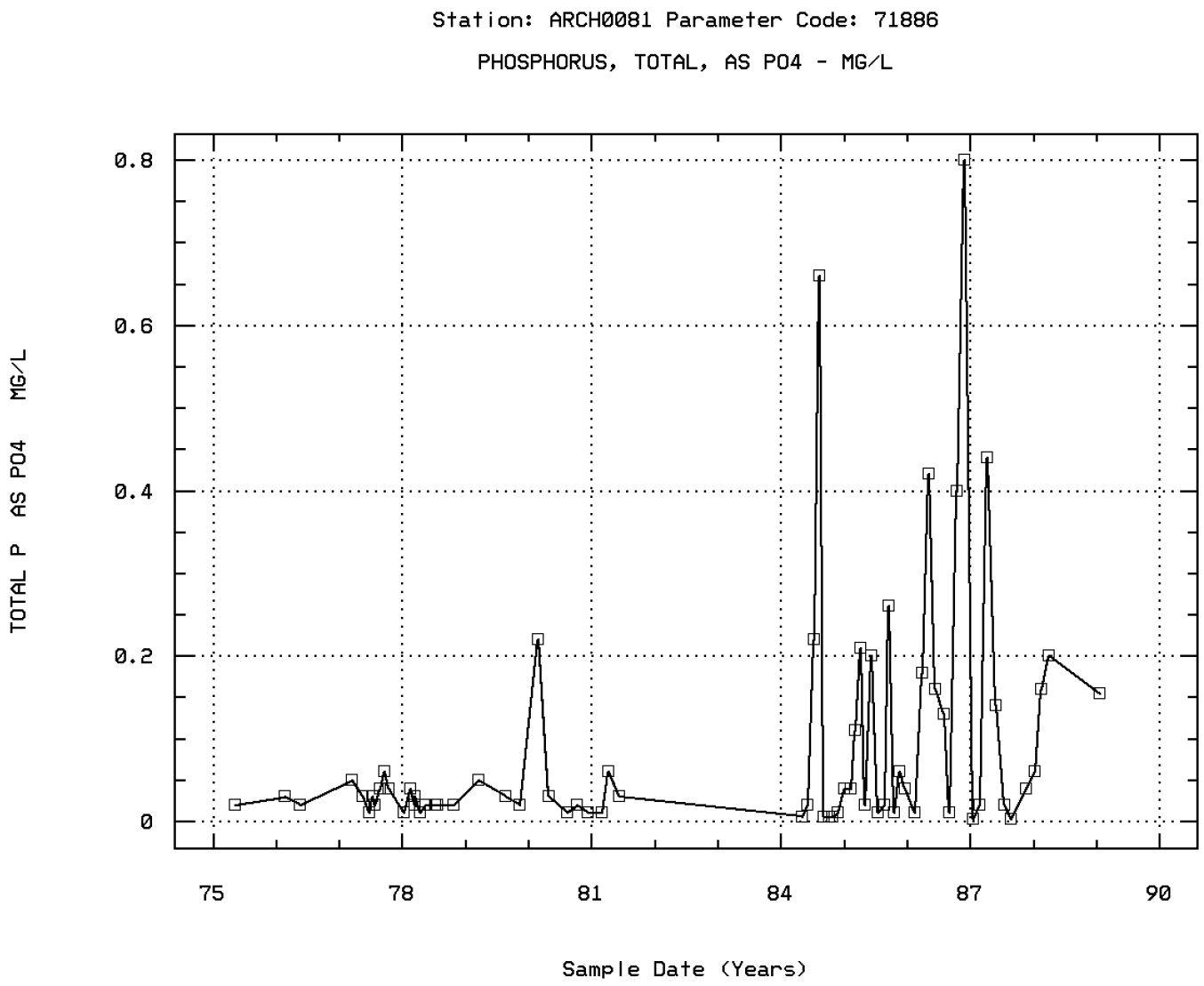
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



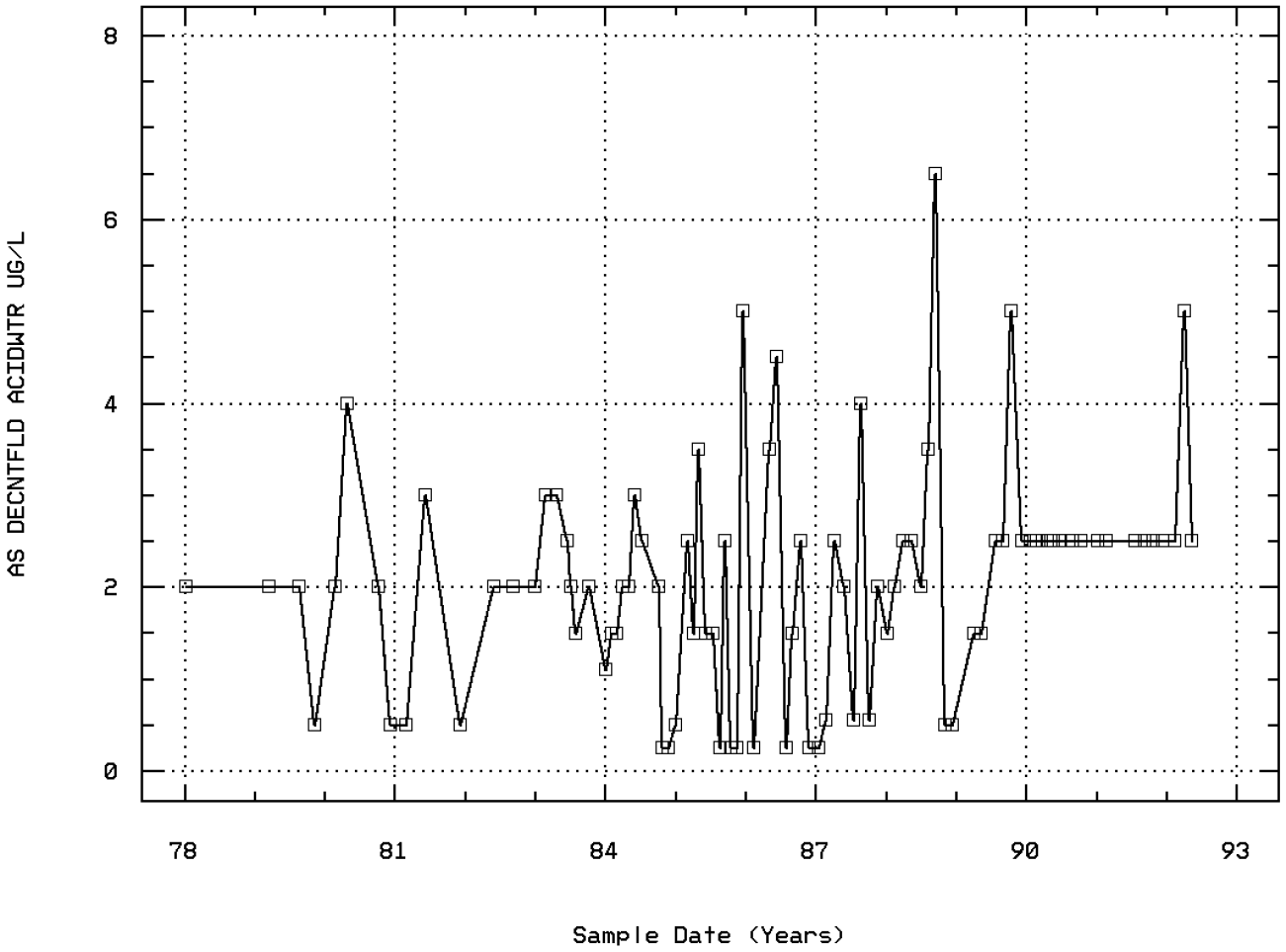
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82702

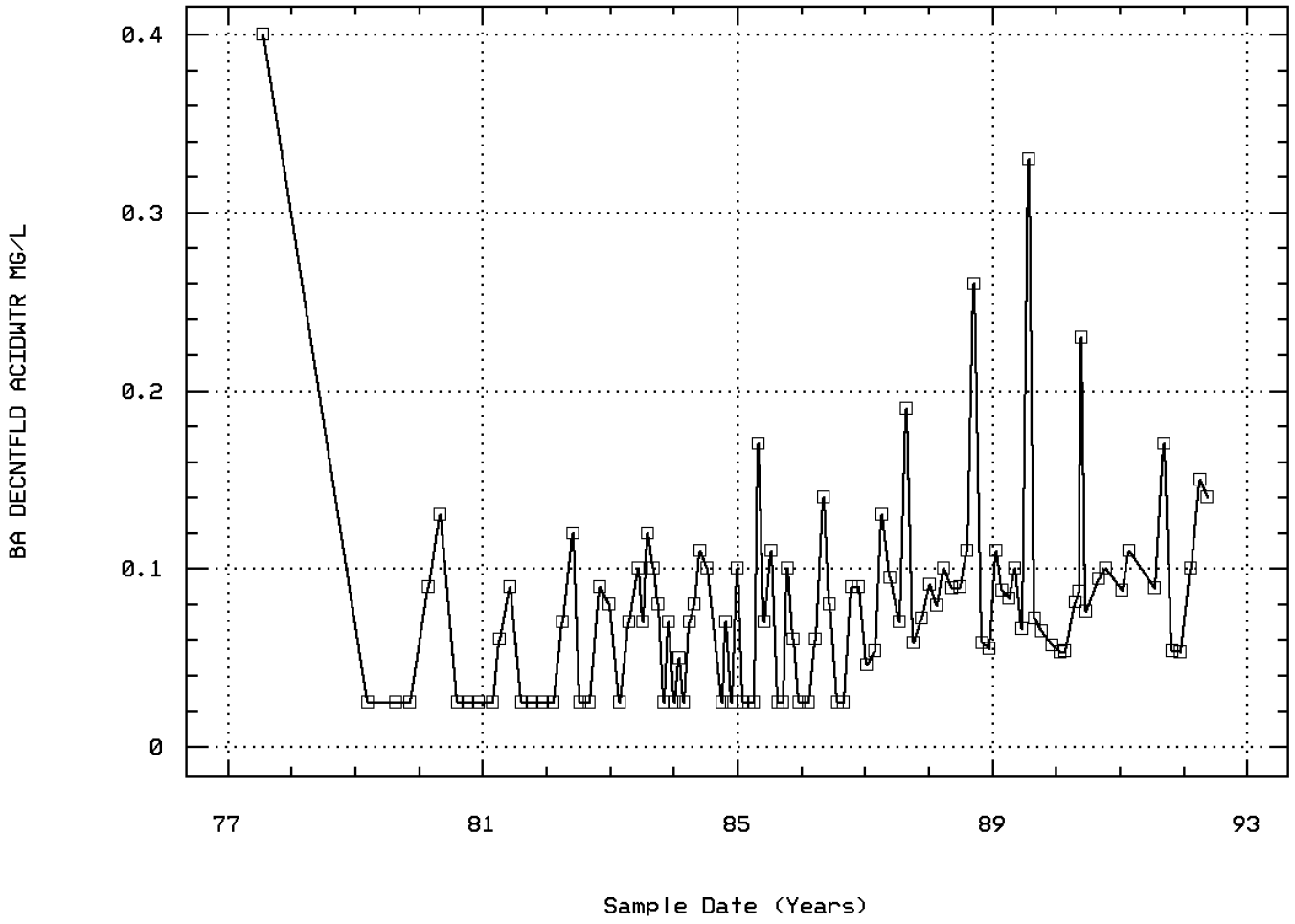
ARSENIC, FIELD ACIDIFIED, DECANTED, WAT



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82703

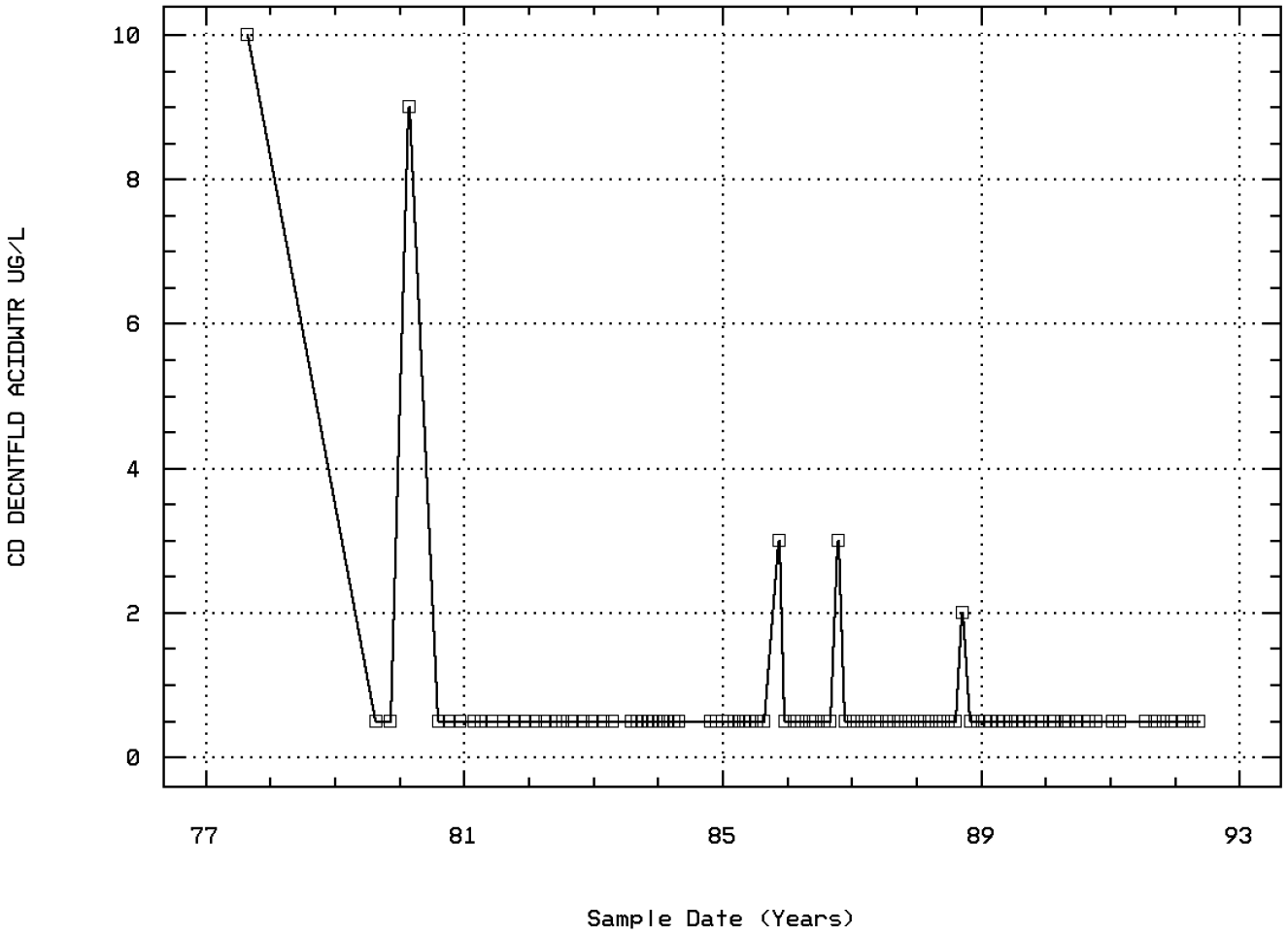
BARIUM, FIELD ACIDIFIED, DECANTED, WATE



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82705

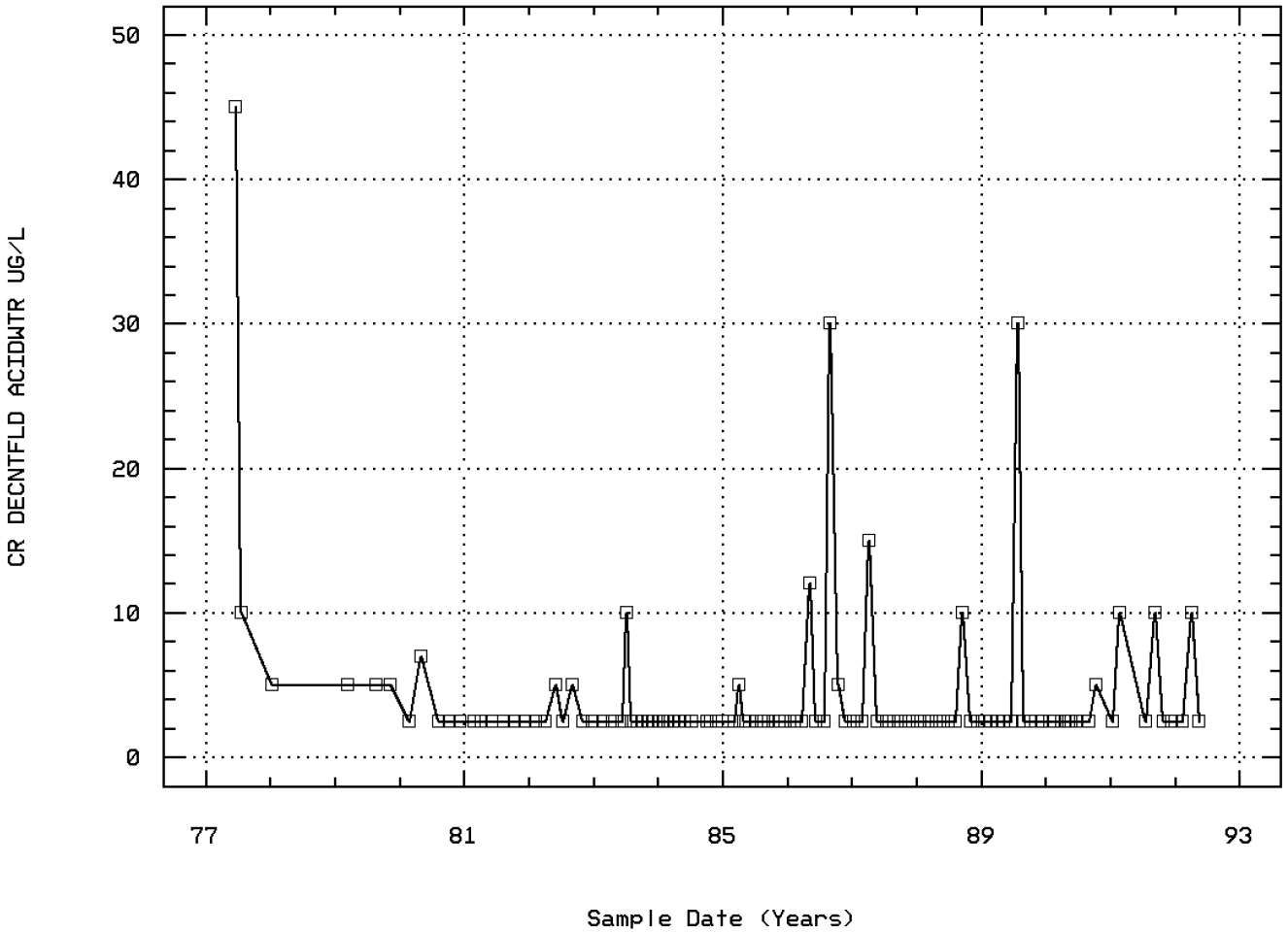
CADMIUM, FIELD ACIDIFIED, DECANTED, WAT



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82706

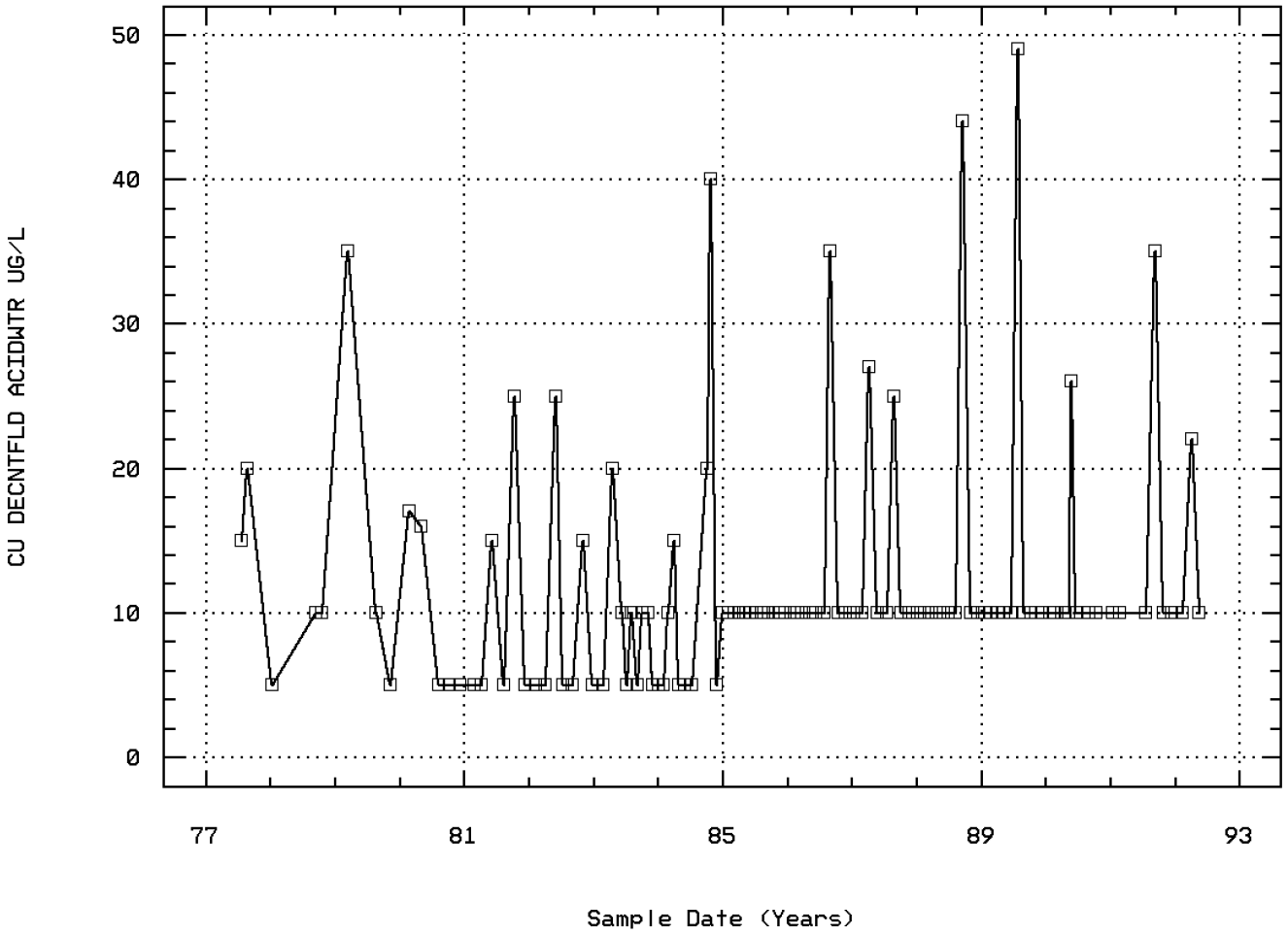
CHROMIUM, FIELD ACIDIFIED, DECANTED, WA



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82708

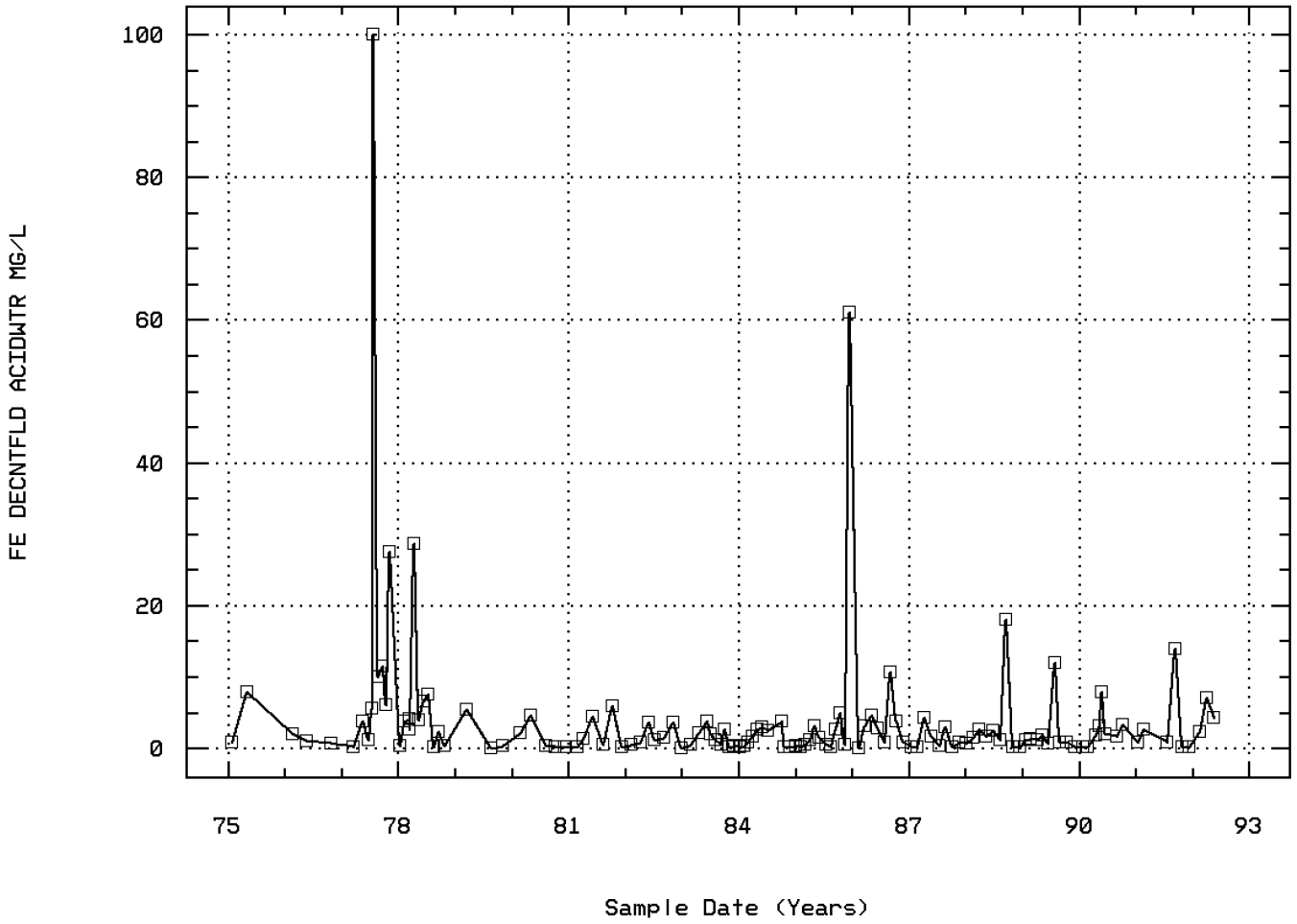
COPPER, FIELD ACIDIFIED, DECANTED, WATE



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82710

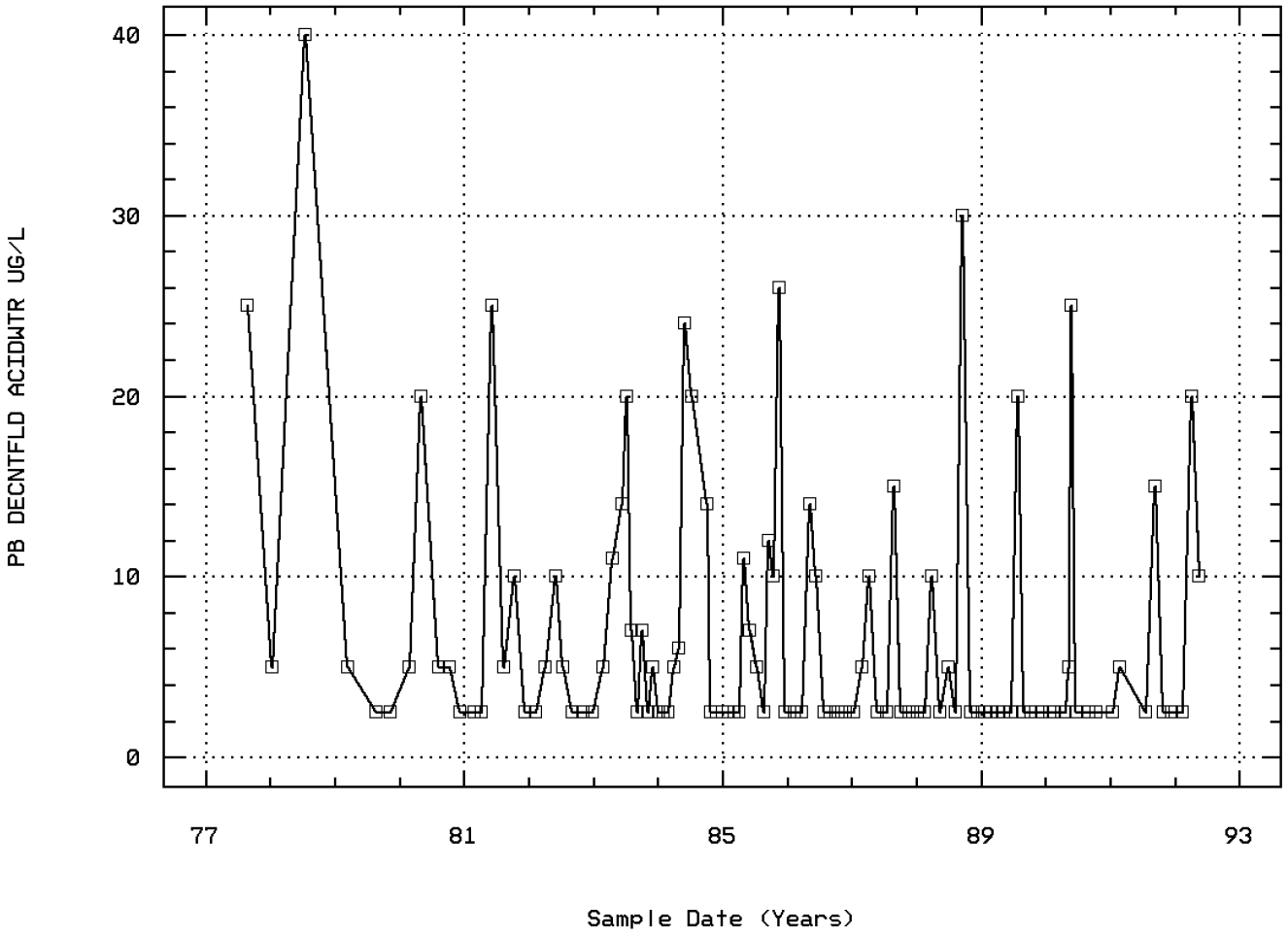
IRON, FIELD ACIDIFIED, DECANTED, WATER



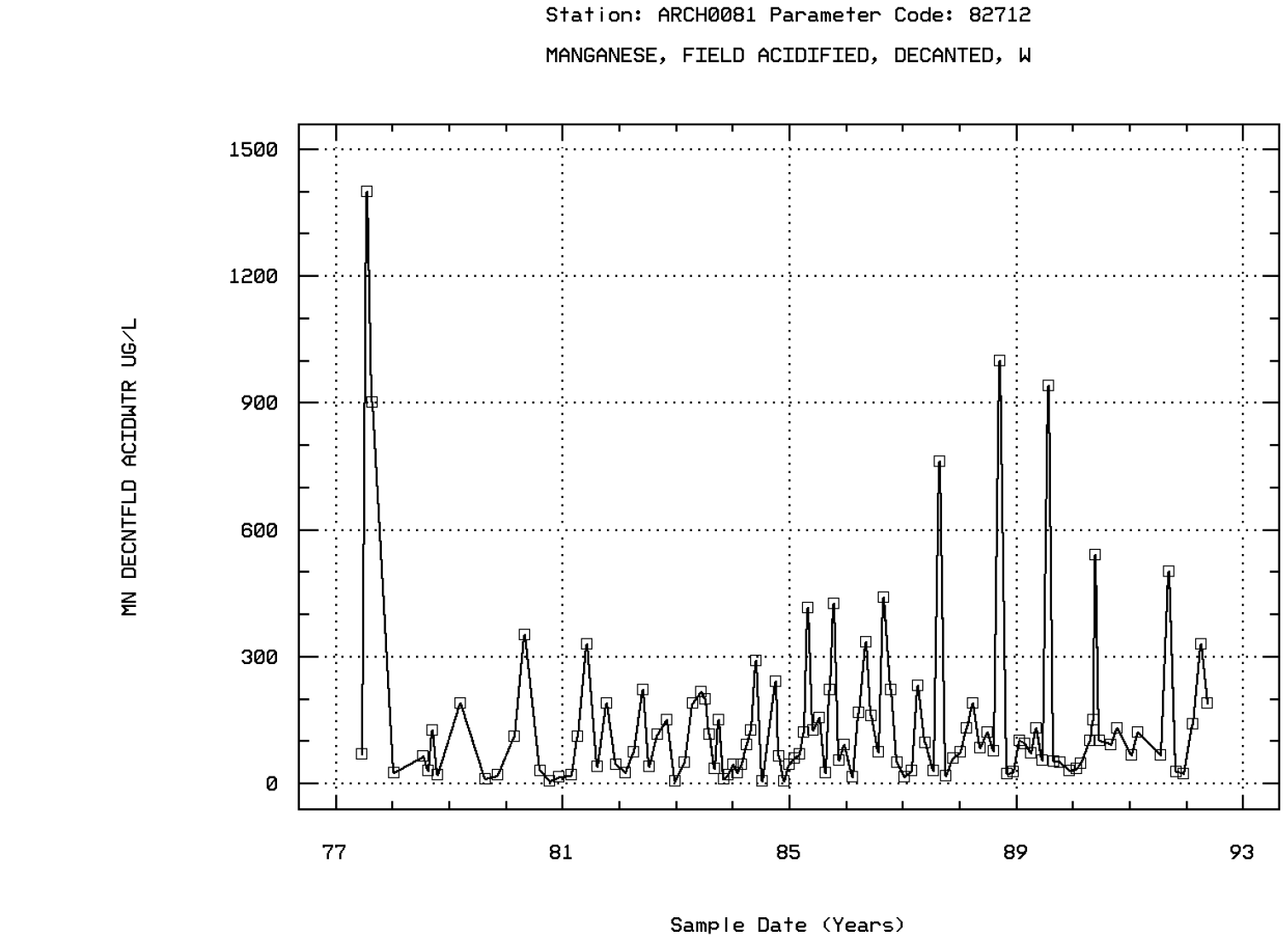
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82711

LEAD, FIELD ACIDIFIED, DECANTED, WATER



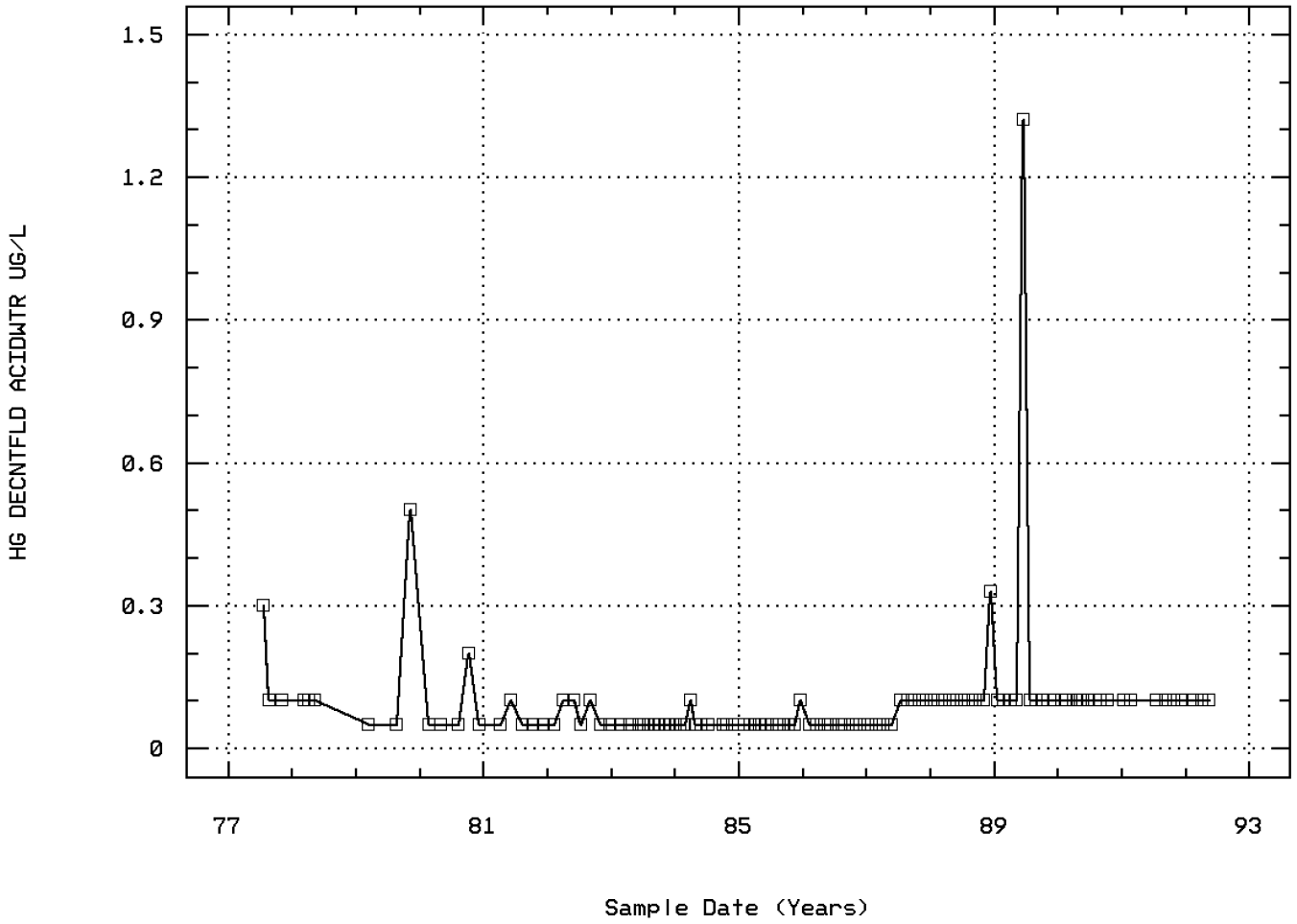
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82713

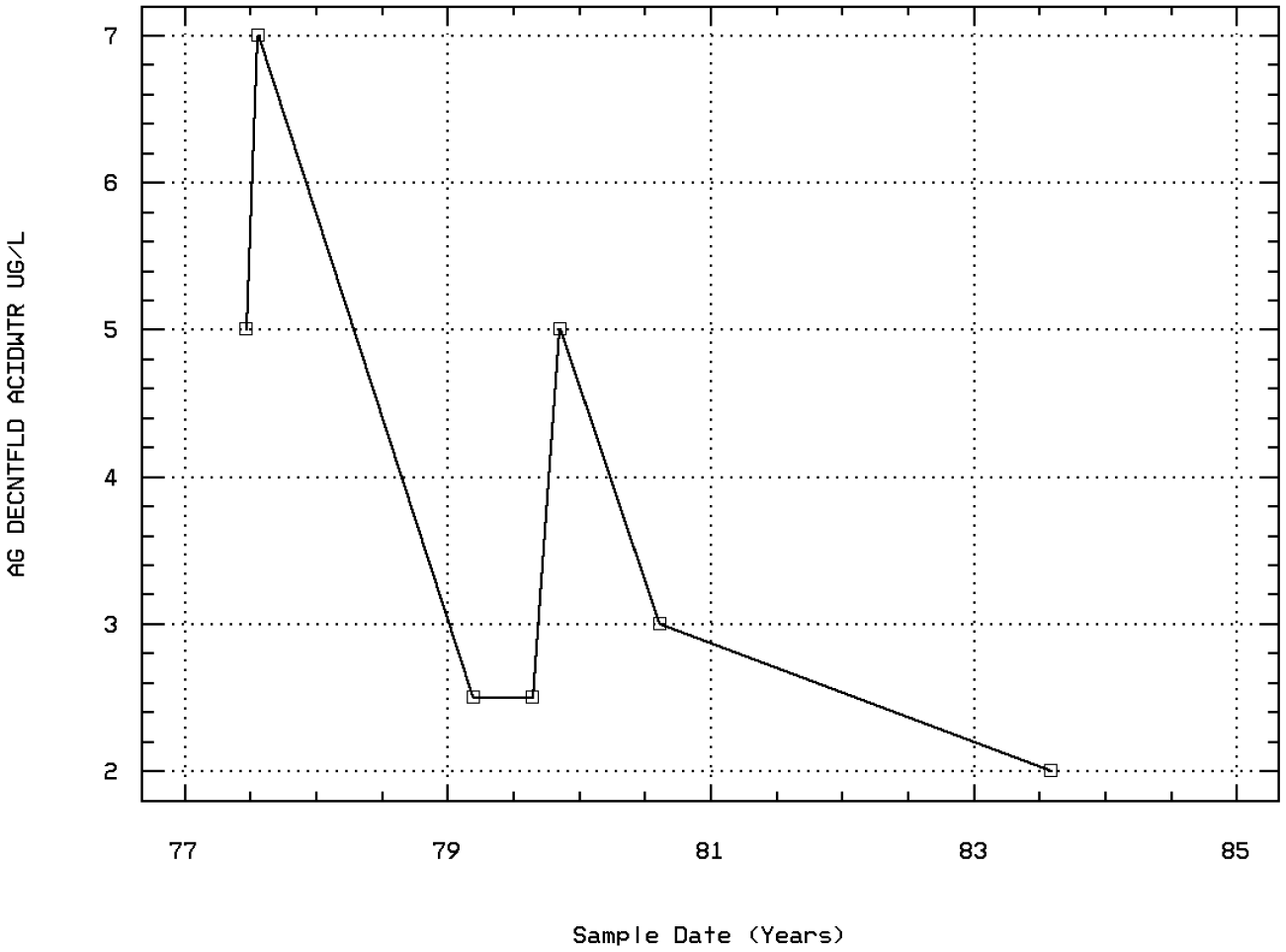
MERCURY, FIELD ACIDIFIED, DECANTED, WAT



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82716

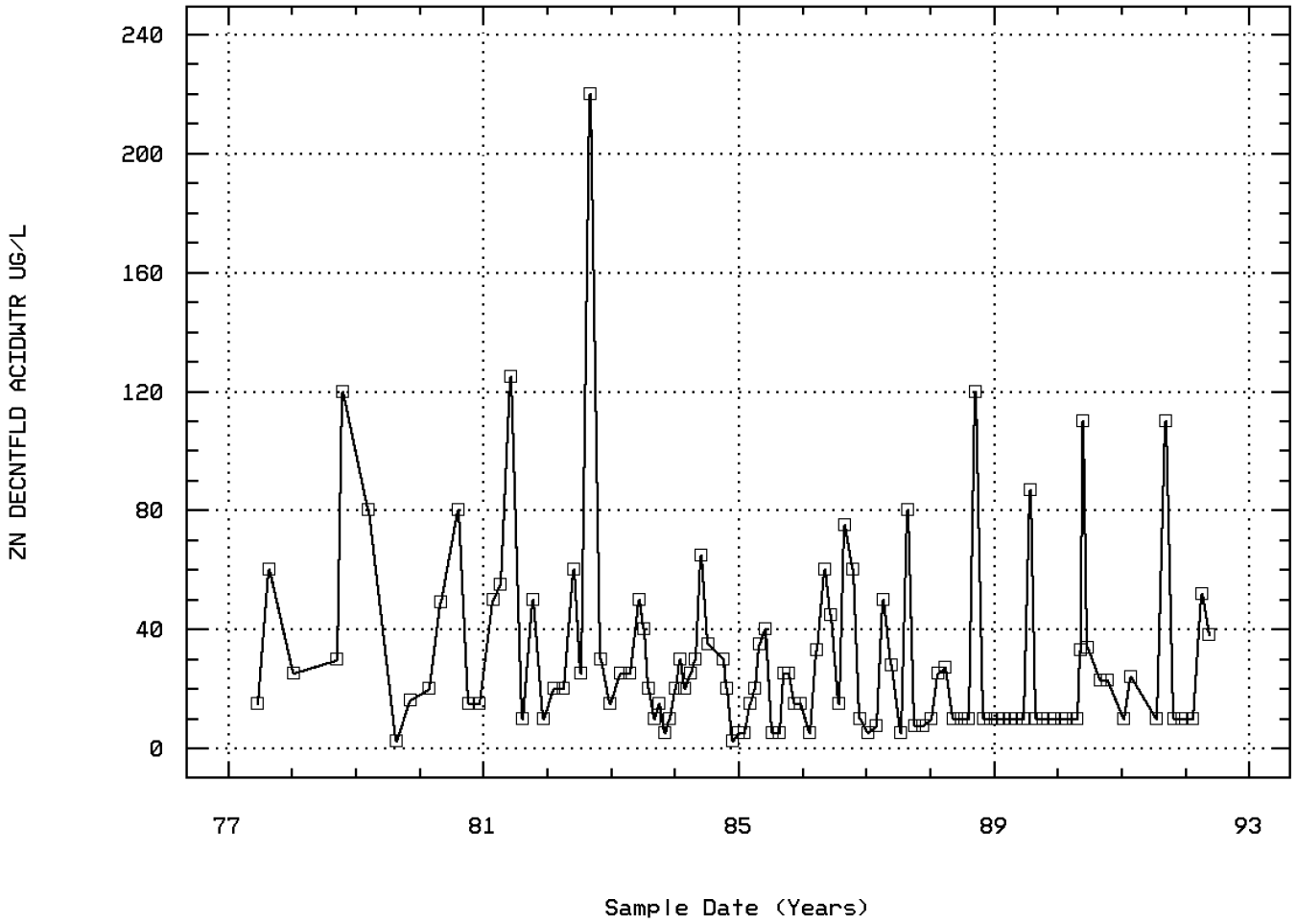
SILVER, FIELD ACIDIFIED, DECANTED, WATE



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 82719

ZINC, FIELD ACIDIFIED, DECANTED, WATER



COLORADO R AT US191 XING NEAR MOAB

Annual Analysis for 1975 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	2	91.5	91.5	171.	12.	12640.5	112.43	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	2	860.	860.	1170.	550.	192200.	438.406	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	2	6.45	6.45	6.8	6.1	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	2	6.322	6.322	6.8	6.1	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	2	0.476	0.476	0.794	0.158	0.202	0.45	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	4	105.	105.	166.	44.	4961.333	70.437	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	2	125.5	125.5	143.	108.	612.5	24.749	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	2	153.	153.	174.	132.	882.	29.698	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	2	265.	265.	330.	200.	8450.	91.924	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	2	65.	65.	80.	50.	450.	21.213	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	2	25.	25.	32.	18.	98.	9.899	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	2	88.5	88.5	140.	37.	5304.5	72.832	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	2	5.5	5.5	8.	3.	12.5	3.536	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	2	84.5	84.5	135.	34.	5100.5	71.418	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	2	207.5	207.5	275.	140.	9112.5	95.459	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	2	544.	544.	752.	336.	86528.	294.156	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	2	4.32	4.32	7.8	0.84	24.221	4.921	**	**	**	**

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

Annual Analysis for 1976 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	13	2.2	3.385	9.	1.	6.406	2.531	1.12	1.65	5.5	8.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	3	72.	130.667	265.	55.	13606.333	116.646	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	8	1177.5	1135.875	1700.	432.	155878.982	394.815	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	8	8.	8.213	10.4	7.	1.038	1.019	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	8	13.	1264.25	9999.	4.	12456681.357	3529.402	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	14	8.35	8.343	8.6	8.1	0.021	0.145	8.1	8.275	8.425	8.55
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	14	8.347	8.32	8.6	8.1	0.022	0.147	8.1	8.275	8.425	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	14	0.004	0.005	0.008	0.003	0.	0.002	0.003	0.004	0.005	0.008
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	6	39.	65.	149.	7.	4438.4	66.621	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	3	161.	144.333	175.	97.	1729.333	41.585	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	3	196.	176.	214.	118.	2604.	51.029	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	14	140.	535.714	4680.	25.	1481149.451	1217.025	35.	95.	327.5	2825.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	8	0.15	0.175	0.3	0.1	0.008	0.089	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	8	0.65	1.725	6.9	0.3	5.054	2.248	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	3	0.05	0.693	2.	0.03	1.281	1.132	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	3	360.	340.667	490.	172.	25561.333	159.879	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	3	92.	90.	128.	50.	1524.	39.038	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	3	32.	28.	41.	11.	237.	15.395	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	3	140.	107.667	150.	33.	4206.333	64.856	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	3	4.	5.	7.	4.	3.	1.732	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	3	153.	111.667	154.	28.	5250.333	72.459	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	3	288.	275.333	420.	118.	22921.333	151.398	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	4	886.	790.25	1065.	324.	104337.583	323.013	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	3	1.05	1.227	1.9	0.73	0.366	0.605	**	**	**	**

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Annual Analysis for 1977 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	8	16.	15.15	27.	6.	64.466	8.029	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	8	150.	263.238	820.	3.9	75169.623	274.171	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	11	1770.	1741.818	2050.	1400.	39676.364	199.189	1420.	1610.	1860.	2044.
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	6	9.35	8.583	11.2	3.9	7.894	2.81	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	7	27.	62.143	250.	10.	7317.81	85.544	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	11	8.4	8.364	8.6	8.	0.043	0.206	8.02	8.1	8.5	8.6
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	11	8.4	8.316	8.6	8.	0.045	0.212	8.02	8.1	8.5	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	11	0.004	0.005	0.01	0.003	0.	0.003	0.003	0.003	0.008	0.01
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	18	2.	2.222	3.	1.	0.418	0.647	1.	2.	3.	3.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	9	172.	163.444	177.	115.	389.028	19.724	115.	157.5	175.	177.
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	9	210.	199.556	216.	140.	589.778	24.285	140.	192.	214.	216.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	9	315.	1422.778	8640.	15.	7605800.694	2757.862	15.	37.5	1255.	8640.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	7	0.2	1.429	8.1	0.1	8.782	2.964	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	7	2.1	2.029	3.2	0.9	0.662	0.814	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	4	0.105	0.108	0.17	0.05	0.003	0.057	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	3	3.	3.	3.	3.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	9	600.	600.	750.	430.	12000.	109.545	430.	510.	700.	750.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	9	160.	156.444	204.	108.	957.778	30.948	108.	130.	180.	204.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	9	49.	50.889	68.	39.	71.611	8.462	39.	45.	56.	68.
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	9	160.	164.889	220.	120.	747.361	27.338	120.	152.	178.5	220.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	9	7.	7.	9.	4.	3.5	1.871	4.	5.5	9.	9.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	9	155.	155.667	240.	90.	1521.5	39.006	90.	140.	165.	240.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	9	550.	568.333	750.	400.	15737.5	125.449	400.	460.	680.	750.
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	2	0.85	0.85	1.5	0.2	0.845	0.919	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	11	1254.	1258.	1506.	1044.	29109.6	170.615	1051.6	1096.	1474.	1502.
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	1	10.	10.	10.	10.	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	2	27.5	27.5	45.	10.	612.5	24.749	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	2	17.5	17.5	20.	15.	12.5	3.536	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	9	6.	18.386	99.99	0.15	1003.185	31.673	0.15	2.415	19.5	99.99
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	1	25.	25.	25.	25.	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3	900.	790.	1400.	70.	451300.	671.789	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	3	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	2	37.5	37.5	60.	15.	1012.5	31.82	**	**	**	**

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Annual Analysis for 1978 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	16	12.5	12.369	23.5	3.	49.784	7.056	3.	5.8	16.75	23.15
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	12	180.	338.333	1050.	10.	118774.788	344.637	11.2	35.	587.5	975.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	15	1300.	1313.667	2500.	460.	319015.952	564.815	544.	850.	1580.	2320.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	16	1490.	1302.188	2200.	460.	222976.563	472.204	558.	910.	1577.5	1850.
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	10	8.9	9.26	12.5	7.2	2.485	1.576	7.24	8.275	10.5	12.33
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	5	12.	12.4	19.	6.	31.3	5.595	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	17	8.2	8.235	8.5	7.9	0.042	0.206	7.98	8.	8.4	8.5
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	17	8.2	8.19	8.5	7.9	0.045	0.211	7.98	8.	8.4	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	17	0.006	0.006	0.013	0.003	0.	0.003	0.003	0.004	0.01	0.011
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	24	2.	2.	4.	1.	0.696	0.834	1.	1.25	2.	3.5
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	12	151.	139.833	174.	84.	918.879	30.313	90.9	114.25	164.	173.4
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	12	184.	170.5	212.	102.	1376.091	37.096	110.4	139.5	200.	211.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	15	320.	882.333	3980.	5.	1452349.524	1205.135	14.	100.	1190.	3500.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	10	0.2	0.24	0.6	0.1	0.032	0.178	0.1	0.1	0.35	0.59
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	11	1.9	2.3	6.5	0.5	3.466	1.862	0.52	0.8	3.	6.14
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	5	0.09	0.078	0.13	0.02	0.003	0.051	**	**	**	**

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Annual Analysis for 1978 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	10	7.5	8.4	19.	1.	40.267	6.346	1.	1.75	14.5	18.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	12	420.	379.833	560.	148.	19675.97	140.271	169.6	246.	505.	557.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	12	102.	98.083	152.	43.	1308.265	36.17	47.8	62.25	131.	150.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	12	40.	32.583	46.	10.	166.265	12.894	12.4	20.5	43.25	46.
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	12	129.5	113.167	175.	20.	3485.788	59.041	26.	62.	169.5	174.1
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	12	5.5	4.833	10.	1.	7.061	2.657	1.3	2.25	6.75	9.1
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	12	115.5	119.083	225.	16.	5324.265	72.968	21.4	54.5	193.75	216.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	12	365.	313.417	500.	79.	20556.992	143.377	98.8	178.75	437.5	494.
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	5	1.	0.9	1.5	0.5	0.175	0.418	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	15	978.	788.933	1174.	236.	111476.495	333.881	273.2	468.	1050.	1138.
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	1	5.	5.	5.	5.	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	3	10.	8.333	10.	5.	8.333	2.887	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	11	3.8	5.513	28.6	0.2	64.533	8.033	0.22	0.39	6.6	24.4
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	2	22.5	22.5	40.	5.	612.5	24.749	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	5	30.	53.	125.	20.	1932.5	43.96	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	4	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3	30.	58.333	120.	25.	2858.333	53.463	**	**	**	**

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Annual Analysis for 1979 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	5	8.	10.1	19.	1.	51.3	7.162	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	3	120.	375.8	1000.	7.4	295388.92	543.497	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	4	995.	960.	1490.	360.	298466.667	546.321	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	4	1235.	1090.	1490.	400.	242066.667	492.003	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	4	11.45	10.725	14.3	5.7	13.163	3.628	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	5	21.	39.	128.	5.	2566.5	50.661	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	6	8.15	8.2	8.6	7.9	0.056	0.237	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	6	8.147	8.152	8.6	7.9	0.059	0.242	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	6	0.007	0.007	0.013	0.003	0.	0.003	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	3	156.	152.	162.	138.	156.	12.49	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	4	173.	165.5	190.	126.	774.333	27.827	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	5	28.	45.6	122.	1.	2620.3	51.189	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	6	0.2	0.2	0.3	0.1	0.008	0.089	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	5	0.8	1.08	2.6	0.3	0.877	0.936	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	5	0.25	0.244	0.44	0.04	0.034	0.183	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	2	5.5	5.5	8.	3.	12.5	3.536	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	3	450.	413.333	470.	320.	6633.333	81.445	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	4	98.	88.75	116.	43.	1132.917	33.659	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	4	33.	30.75	46.	11.	234.917	15.327	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	4	114.	102.25	157.	24.	3138.25	56.02	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	4	4.	4.	6.	2.	3.333	1.826	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	4	111.5	98.5	155.	16.	3473.667	58.938	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	4	315.	278.5	415.	69.	23745.667	154.096	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	5	724.	712.8	993.	254.	78712.7	280.558	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	3	2.	1.5	2.	0.5	0.75	0.866	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	3	10.	16.667	35.	5.	258.333	16.073	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	3	0.28	1.9	5.38	0.04	9.097	3.016	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	3 ##	2.5	3.333	5.	2.5	2.083	1.443	**	**	**	**

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Annual Analysis for 1979 - Station ARCH0081

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82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3	20.	73.333	190.	10.	10233.333	101.16	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	3 ##	0.05	0.2	0.5	0.05	0.068	0.26	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3 ##	2.5	3.333	5.	2.5	2.083	1.443	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3	16.	32.833	80.	2.5	1714.083	41.401	**	**	**	**

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Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	4	9.05	10.175	18.3	4.3	39.396	6.277	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	5	10.	109.9	300.	2.8	20665.67	143.756	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	4	1170.	1070.	1490.	450.	196866.667	443.697	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	5	1250.	1197.	1570.	445.	199945.	447.152	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	4	7.8	8.125	10.2	6.7	2.182	1.477	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	5	20.	21.7	34.	7.5	126.7	11.256	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	5	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	5	141.	132.8	153.	93.	546.2	23.371	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	5	168.	160.4	182.	114.	730.8	27.033	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	2	647.	647.	734.	560.	15138.	123.037	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	5	0.2	0.17	0.3	0.05	0.01	0.097	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	5	0.7	0.84	1.4	0.6	0.113	0.336	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	5	0.15	0.165	0.38	0.025	0.021	0.143	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	5	4.3	5.2	8.7	2.3	8.89	2.982	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	5	350.	357.6	490.	158.	16568.8	128.72	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	5	84.	92.	128.	44.	1128.	33.586	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	5	34.	31.	41.	12.	124.	11.136	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	5	145.	120.	148.	30.	2584.5	50.838	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	5	4.	4.8	8.	2.	6.7	2.588	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	5	145.	117.4	158.	19.	3290.3	57.361	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	5	300.	309.2	435.	90.	19720.7	140.43	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	5	804.	773.2	1052.	284.	92915.2	304.82	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	5	2.	1.9	4.	0.5	1.8	1.342	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	5 ##	0.025	0.059	0.13	0.025	0.002	0.049	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	5 ##	0.5	2.3	9.	0.5	14.075	3.752	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	5 ##	2.5	3.4	7.	2.5	4.05	2.012	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	5 ##	5.	9.6	17.	5.	39.8	6.309	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	5	0.39	1.478	4.57	0.13	3.694	1.922	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	5 ##	5.	7.5	20.	2.5	50.	7.071	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	5	30.	102.	350.	5.	20932.5	144.681	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	5 ##	0.05	0.08	0.2	0.05	0.005	0.067	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	5 ##	1.	1.4	3.	1.	0.8	0.894	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	5	20.	35.8	80.	15.	810.7	28.473	**	**	**	**

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Annual Analysis for 1981 - Station ARCH0081

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00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	5	11.	12.8	23.7	2.1	89.1	9.439	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	6	56.	92.417	240.	4.5	9744.642	98.715	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	5	1230.	1206.4	1902.	600.	259624.8	509.534	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	6	1427.5	1386.167	1850.	602.	196476.167	443.256	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	5	9.3	9.	12.7	6.7	6.04	2.458	**	**	**	**

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00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	6	19.5	18.417	25.	7.5	36.042	6.003	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	6	2.	1.833	3.	1.	0.567	0.753	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	6	150.	142.167	171.	97.	784.167	28.003	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	6	183.	173.333	208.	118.	1161.067	34.074	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	4	178.5	269.75	692.	30.	91990.917	303.3	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	6	0.1	0.083	0.1	0.05	0.001	0.026	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	6	0.45	0.583	1.4	0.2	0.19	0.436	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	6	0.1	0.113	0.23	0.025	0.008	0.092	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	6	10.	13.75	39.	2.8	164.667	12.832	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	6	449.	432.667	630.	218.	19385.067	139.23	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	6	101.	105.833	156.	61.	1124.967	33.541	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	6	42.5	40.833	58.	16.	253.767	15.93	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	6	137.5	138.	195.	43.	2812.	53.028	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	6	6.	5.5	8.	2.	3.9	1.975	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	6	159.	149.167	230.	42.	3783.767	61.512	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	6	368.	383.333	700.	145.	34085.067	184.621	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	6 ##	0.5	0.583	1.	0.5	0.042	0.204	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	6	956.	932.667	1346.	398.	101801.067	319.063	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	6	1.	1.167	3.	0.5	0.867	0.931	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	6 ##	0.025	0.042	0.09	0.025	0.001	0.028	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	6 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	6 ##	5.	10.	25.	5.	70.	8.367	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	6	0.93	2.087	5.85	0.13	6.041	2.458	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	6 ##	3.75	7.917	25.	2.5	78.542	8.862	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	6	77.5	122.5	330.	20.	14217.5	119.237	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	6	50.	50.	125.	10.	1770.	42.071	**	**	**	**

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Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	6	12.2	12.733	22.1	0.2	74.643	8.64	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	7	72.	156.471	420.	7.3	25960.689	161.123	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	6	1040.5	969.667	1339.	419.	124191.867	352.409	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	7	1100.	1003.	1360.	440.	107239.667	327.475	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	5	9.6	8.06	11.5	1.	17.398	4.171	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	7 ##	7.5	7.5	12.	5.	5.5	2.345	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	7	2.	2.286	5.	1.	1.905	1.38	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	7	148.	139.571	166.	98.	639.619	25.291	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	7	180.	170.286	202.	120.	937.905	30.625	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	7	184.	265.714	766.	16.	74977.905	273.821	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	7 ##	0.05	0.086	0.3	0.05	0.009	0.094	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	7	0.6	0.543	0.9	0.2	0.056	0.237	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	7	0.2	0.216	0.5	0.01	0.023	0.152	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	7	5.1	10.214	33.3	2.2	117.588	10.844	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	7	328.	319.571	455.	170.	8007.286	89.483	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	7	80.	78.	120.	42.	737.333	27.154	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	7	29.	30.286	54.	12.	185.571	13.622	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	7	107.	95.714	145.	29.	1614.905	40.186	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	7	4.	4.429	7.	2.	2.952	1.718	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	7	105.	104.429	173.	24.	2804.286	52.956	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	7	246.	246.429	420.	97.	10054.952	100.274	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	7 ##	0.25	0.286	0.5	0.25	0.009	0.094	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	7	758.	675.143	894.	294.	47875.81	218.805	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	7	1.	1.429	2.	1.	0.286	0.535	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	7	0.07	0.062	0.12	0.025	0.001	0.038	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	7 ##	2.5	3.214	5.	2.5	1.488	1.22	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	7 ##	5.	9.286	25.	5.	61.905	7.868	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	7	1.19	1.591	3.6	0.03	2.094	1.447	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	7 ##	2.5	4.286	10.	2.5	7.738	2.782	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	7	75.	90.	220.	5.	5883.333	76.703	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	7 ##	0.05	0.071	0.1	0.05	0.001	0.027	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	7 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	7	25.	55.714	220.	15.	5470.238	73.961	**	**	**	**

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Annual Analysis for 1983 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	8	13.9	13.175	21.6	2.1	45.579	6.751	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	9	105.	116.944	261.	7.9	10057.023	100.285	7.9	22.8	214.	261.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	8	1060.	880.875	1288.	327.	145878.125	381.94	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	9	1100.	930.	1340.	345.	140931.25	375.408	345.	517.5	1215.	1340.
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	8	8.35	8.188	9.7	6.7	1.144	1.07	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	8 ##	8.	13.	41.	5.	152.857	12.364	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	9	2.	2.556	5.	1.	1.278	1.13	1.	2.	3.	5.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	9	141.	133.778	172.	79.	959.194	30.971	79.	104.5	157.	172.
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	9	172.	163.111	210.	96.	1448.111	38.054	96.	127.	192.	210.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	9	287.	314.222	684.	33.	72031.694	268.387	33.	49.	560.	684.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	9 ##	0.05	0.072	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	9	0.5	0.522	1.3	0.2	0.104	0.323	0.2	0.3	0.6	1.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	9	0.12	0.14	0.3	0.04	0.008	0.088	0.04	0.065	0.21	0.3
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	9	7.8	8.344	16.3	2.2	29.708	5.45	2.2	3.25	13.65	16.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	9	300.	290.444	440.	140.	11451.778	107.013	140.	182.	375.	440.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	9	80.	77.111	112.	43.	552.861	23.513	43.	53.5	94.	112.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	9	27.	23.889	39.	8.	147.111	12.129	8.	12.	34.	39.
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	9	101.	84.111	127.	17.	1924.111	43.865	17.	34.	119.5	127.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	9	4.	4.333	6.	2.	2.5	1.581	2.	3.	6.	6.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	9	102.	83.111	135.	12.	2205.611	46.964	12.	30.	117.5	135.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	9	235.	223.889	340.	66.	10738.611	103.627	66.	115.	312.5	340.
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	9	682.	611.889	910.	220.	62293.611	249.587	220.	347.5	799.	910.
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	9	2.	1.889	3.	1.	0.674	0.821	1.	1.	2.75	3.
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	9	0.07	0.073	0.12	0.025	0.001	0.032	0.025	0.048	0.1	0.12
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	9 ##	0.5	0.611	1.	0.5	0.049	0.22	0.5	0.5	0.75	1.
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9 ##	2.5	3.333	10.	2.5	6.25	2.5	2.5	2.5	2.5	10.
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	9	10.	8.889	20.	5.	23.611	4.859	5.	5.	10.	20.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	9	1.2	1.481	3.8	0.2	1.541	1.241	0.2	0.42	2.37	3.8
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	9	7.	8.222	20.	2.5	33.632	5.799	2.5	3.75	12.5	20.
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9	115.	109.444	215.	10.	6809.028	82.517	10.	27.5	195.	215.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9 ##	1.	1.111	2.	1.	0.111	0.333	1.	1.	1.	2.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9	20.	22.222	50.	5.	219.444	14.814	5.	10.	32.5	50.

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Annual Analysis for 1984 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	11	10.	10.245	21.9	0.1	54.693	7.395	0.64	3.1	17.1	21.38
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	12	117.5	171.475	450.	6.3	22245.006	149.148	8.07	34.4	306.25	424.8
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	11	810.	759.364	1114.	273.	58173.855	241.193	303.8	645.	921.	1088.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	12	902.5	852.5	1270.	285.	83075.	288.227	325.5	711.25	1000.	1253.5
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	10	8.95	9.25	12.9	6.3	3.352	1.831	6.48	8.175	10.475	12.71
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	12	10.	17.083	87.	5.	520.629	22.817	5.	5.	18.75	66.6
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	12	2.	2.417	4.	2.	0.447	0.669	2.	2.	3.	3.7
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	12	136.	131.833	171.	84.	694.515	26.354	84.9	117.	150.25	166.5
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	12	166.	160.667	208.	102.	1032.242	32.129	103.2	142.5	183.	202.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	12	359.	515.667	1798.	6.	279491.333	528.669	13.2	73.75	901.25	1561.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	12	0.1	0.117	0.25	0.05	0.003	0.054	0.065	0.1	0.1	0.235
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	12	0.5	0.825	3.6	0.2	0.933	0.966	0.2	0.3	0.85	3.03
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	12	0.28	0.359	1.37	0.08	0.119	0.344	0.089	0.17	0.405	1.121
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	12	7.7	9.342	23.3	1.1	50.594	7.113	1.46	4.125	14.325	22.22
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	12	276.	268.917	400.	116.	5938.811	77.064	126.8	238.75	317.5	382.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	12	68.	65.833	96.	30.	322.515	17.959	33.	57.5	77.5	92.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	12	24.5	23.167	39.	2.	108.879	10.434	4.4	15.5	30.75	37.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	11	86.	72.636	118.	14.	977.055	31.258	17.8	52.	95.	113.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	11	4.	3.909	6.	2.	1.291	1.136	2.2	3.	5.	5.8
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	12	81.	70.	120.	9.	1122.727	33.507	15.3	42.5	93.75	115.2
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	12	209.5	193.167	293.	51.	4414.697	66.443	61.8	168.25	231.75	277.1
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	10 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	12	586.	550.167	834.	230.	27699.424	166.431	246.5	464.5	655.25	783.6
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	10	1.75	1.61	3.	0.25	0.796	0.892	0.25	0.888	2.125	2.95
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	10	0.06	0.058	0.11	0.025	0.001	0.033	0.025	0.025	0.085	0.109
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	10 ##	0.5	0.65	1.	0.5	0.058	0.242	0.5	0.5	1.	1.
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	10 ##	5.	11.5	40.	5.	128.056	11.316	5.	5.	16.25	38.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	10	1.25	1.525	3.7	0.15	1.78	1.334	0.156	0.24	2.725	3.631
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	10 ##	3.75	8.15	24.	2.5	66.669	8.165	2.5	2.5	15.5	23.6
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	10	55.	93.5	290.	5.	9661.389	98.292	5.	20.	153.75	285.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	10 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	10	27.5	27.75	65.	2.5	253.403	15.919	4.25	20.	31.25	62.

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Annual Analysis for 1985 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	11	11.6	11.618	23.9	0.8	64.512	8.032	0.96	5.3	18.7	23.76
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	12	120.	154.667	550.	10.	23198.606	152.311	12.4	37.25	218.75	469.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	11	863.	805.818	1160.	406.	62637.764	250.275	422.8	494.	991.	1140.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	12	946.	921.167	1290.	435.	63666.152	252.322	460.2	830.75	1087.5	1269.
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	11	9.1	8.864	12.1	5.5	3.733	1.932	5.7	7.9	10.8	11.86
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	12	11.	12.	22.	5.	28.364	5.326	5.	6.5	16.	20.5
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	12	1.	1.25	2.	0.	0.386	0.622	0.3	1.	2.	2.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	12	141.5	139.083	168.	101.	314.811	17.743	107.9	125.25	151.75	163.2
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	12	171.5	169.917	206.	124.	462.629	21.509	132.4	153.5	185.5	200.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	12	242.5	470.25	1880.	23.	348882.205	590.663	25.7	62.	691.25	1730.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	12	0.1	0.117	0.4	0.05	0.008	0.091	0.05	0.1	0.1	0.31
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	12	0.7	0.792	2.	0.1	0.275	0.525	0.19	0.5	0.925	1.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	12	0.265	0.33	0.71	0.16	0.039	0.198	0.16	0.165	0.408	0.707
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	12	3.1	5.875	25.6	1.6	47.633	6.902	1.75	2.125	6.775	21.58
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	12	282.5	284.	440.	179.	4266.545	65.319	184.4	254.	309.5	402.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	12	72.	72.75	115.	46.	334.205	18.281	46.3	64.5	80.	106.6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	12	25.	25.	38.	16.	31.455	5.608	16.9	20.5	27.75	35.

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Annual Analysis for 1985 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	12	85.5	82.083	125.	28.	807.72	28.42	30.7	67.5	101.75	121.1
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	12	4.	4.25	6.	2.	1.114	1.055	2.3	4.	5.	5.7
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	12	73.	74.917	135.	20.	1169.72	34.201	20.9	57.25	104.	127.8
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	12	213.5	211.833	350.	100.	4942.152	70.3	102.4	174.75	243.75	334.1
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	12 ##	0.25	0.479	3.	0.25	0.63	0.794	0.25	0.25	0.25	2.175
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	12	586.	581.917	916.	242.	30620.447	174.987	271.4	528.	698.5	853.6
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	12	1.5	1.688	5.	0.25	2.161	1.47	0.25	0.313	2.5	4.55
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	12 ##	0.043	0.063	0.17	0.025	0.002	0.048	0.025	0.025	0.1	0.152
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	12 ##	0.5	0.792	3.	0.5	0.521	0.722	0.5	0.5	0.875	2.4
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	12 ##	2.5	2.708	5.	2.5	0.521	0.722	2.5	2.5	2.5	4.25
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	12 ##	10.	10.	10.	10.	0.	0.	10.	10.	10.	10.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	12	0.84	6.385	61.	0.11	297.988	17.262	0.152	0.318	3.063	44.173
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	12 ##	3.75	7.167	26.	2.5	48.742	6.982	2.5	2.5	10.75	21.8
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	12	105.	150.417	425.	25.	18733.902	136.872	31.	56.25	203.75	422.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	12 ##	0.05	0.054	0.1	0.05	0.	0.014	0.05	0.05	0.05	0.085
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	12 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	12	15.	17.5	40.	5.	143.182	11.966	5.	5.	25.	38.5

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Annual Analysis for 1986 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	7	10.2	11.8	22.4	2.3	55.5	7.45	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	8	123.	192.288	480.	5.3	28961.033	170.179	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	6	829.	781.	978.	385.	47122.4	217.077	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	8	895.	786.25	1075.	365.	74751.357	273.407	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	4	8.2	8.25	9.2	7.4	0.65	0.806	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	8	11.	13.125	24.	5.	50.411	7.1	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	3	8.	8.033	8.2	7.9	0.023	0.153	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	3	8.	8.016	8.2	7.9	0.024	0.154	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	3	0.01	0.01	0.013	0.006	0.	0.003	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	8	1.5	1.75	3.	1.	0.786	0.886	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	8	137.5	131.75	159.	90.	531.929	23.064	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	8	168.	161.	194.	110.	787.429	28.061	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	8	309.	550.5	1930.	11.	399786.857	632.287	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	8 ##	0.075	0.087	0.2	0.05	0.003	0.052	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	8	0.4	0.475	0.8	0.2	0.034	0.183	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	8	0.235	0.305	0.53	0.11	0.025	0.16	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	8	2.95	2.963	3.9	2.2	0.397	0.63	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	8	287.85	269.213	400.	136.	7769.361	88.144	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	8	71.	68.875	105.	38.	492.125	22.184	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	8	27.	23.375	33.	10.	71.982	8.484	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	8	79.5	67.	94.	21.	922.571	30.374	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	8	3.5	3.375	5.	2.	1.125	1.061	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	8	53.5	50.013	97.	7.1	1270.201	35.64	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	8	202.5	192.	311.	68.	6914.	83.15	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	8 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	8	576.	519.75	748.	228.	35826.786	189.28	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	8	1.25	1.719	4.5	0.25	2.651	1.628	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	8	0.07	0.067	0.14	0.025	0.002	0.041	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	8 ##	0.5	0.813	3.	0.5	0.781	0.884	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8 ##	2.5	7.438	30.	2.5	93.96	9.693	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	8 ##	10.	13.125	35.	10.	78.125	8.839	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	8	2.985	3.346	10.64	0.06	11.244	3.353	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	8 ##	2.5	4.875	14.	2.5	20.482	4.526	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8	163.5	182.75	440.	15.	21269.071	145.839	**	**	**	**

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Annual Analysis for 1986 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8	39.	37.875	75.	5.	687.554	26.221	**	**	**	**

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Annual Analysis for 1987 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	7	12.5	13.057	23.5	1.2	70.67	8.407	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	8	40.	122.713	450.	3.5	30772.547	175.421	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	8	1012.	1055.	1434.	570.	74642.286	273.207	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	8	998.5	1048.5	1400.	556.	80263.429	283.308	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	7	8.5	8.829	11.9	6.2	3.686	1.92	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	8 ##	10.5	12.	22.	5.	40.857	6.392	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	8	8.2	8.125	8.4	7.7	0.051	0.225	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	8	8.2	8.068	8.4	7.7	0.054	0.233	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	8	0.006	0.009	0.02	0.004	0.	0.005	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	8	1.	1.75	5.	1.	1.929	1.389	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	8	138.5	140.75	159.	114.	214.786	14.656	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	8	169.	171.	194.	140.	269.429	16.414	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	8	93.5	454.188	2360.	1.5	670768.853	819.005	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	8 ##	0.038	0.051	0.1	0.025	0.001	0.033	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	8	0.35	0.4	0.9	0.1	0.069	0.262	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	8	0.145	0.322	1.26	0.05	0.166	0.407	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	8	2.85	2.813	4.2	1.4	0.827	0.909	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	8	314.8	337.988	468.1	219.5	6970.558	83.49	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	8	80.	85.375	120.	55.	516.554	22.728	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	8	28.5	30.375	41.	20.	43.982	6.632	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	8	95.	101.125	150.	36.	1286.696	35.871	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	8	4.	4.375	7.	2.	2.554	1.598	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	8	86.4	92.138	152.5	29.	1755.877	41.903	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	8	260.	268.5	400.	130.	7955.143	89.192	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	8 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	8	660.	700.5	1020.	380.	42050.	205.061	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	8 ##	1.275	1.55	4.	0.25	1.714	1.309	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	8	0.071	0.089	0.19	0.046	0.002	0.049	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8 ##	2.5	4.063	15.	2.5	19.531	4.419	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	8 ##	10.	14.	27.	10.	55.143	7.426	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	8	0.645	1.326	4.3	0.1	2.376	1.541	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	8 ##	2.5	5.313	15.	2.5	22.21	4.713	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8	44.	154.375	760.	15.	64932.268	254.818	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	8 ##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8 ##	7.5	23.813	80.	5.	766.638	27.688	**	**	**	**

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Annual Analysis for 1988 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	7	15.8	13.243	22.9	1.2	64.446	8.028	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	8	100.	96.123	250.	9.98	6257.76	79.106	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	9	1112.	1137.222	1518.	625.	105727.694	325.158	625.	850.5	1500.5	1518.

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Annual Analysis for 1988 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	8	1175.	1204.875	1657.	743.	133533.839	365.423	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	8	8.	8.525	11.6	6.7	2.879	1.697	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	9 ##	7.	16.111	45.	7.	175.361	13.242	7.	7.	24.5	45.
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	8	8.15	8.138	8.3	8.	0.011	0.106	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	8	8.147	8.126	8.3	8.	0.011	0.107	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	8	0.007	0.007	0.01	0.005	0.	0.002	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	8	1.	1.375	2.	1.	0.268	0.518	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	8	154.5	149.5	177.	114.	470.571	21.693	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	8	189.	182.75	216.	139.	707.357	26.596	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	8	212.5	342.563	1492.	1.5	236885.531	486.709	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	9 ##	0.025	0.046	0.1	0.025	0.001	0.032	0.025	0.025	0.08	0.1
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	9	0.4	0.511	0.9	0.2	0.044	0.209	0.2	0.4	0.65	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	9	0.15	0.166	0.37	0.02	0.016	0.126	0.02	0.04	0.285	0.37
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	9	2.9	3.233	4.9	2.6	0.61	0.781	2.6	2.65	3.8	4.9
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	8	333.	366.875	534.5	243.6	14008.416	118.357	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	8	84.	93.25	140.	63.	903.643	30.061	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	8	30.	32.625	48.	21.	115.696	10.756	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	8	120.	117.625	180.	56.	2035.411	45.116	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	8	5.	4.875	6.	3.	1.268	1.126	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	8	129.5	121.775	194.	53.	2440.768	49.404	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	8	260.	297.5	470.	170.	14392.857	119.97	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	9 ##	0.25	0.639	3.5	0.25	1.158	1.076	0.25	0.25	0.375	3.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	8	802.	809.75	1114.	502.	68555.929	261.832	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	9	2.	2.389	6.5	0.5	3.299	1.816	0.5	1.	3.	6.5
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	9	0.09	0.104	0.26	0.055	0.004	0.061	0.055	0.069	0.105	0.26
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	9 ##	0.5	0.667	2.	0.5	0.25	0.5	0.5	0.5	0.5	2.
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9 ##	2.5	3.333	10.	2.5	6.25	2.5	2.5	2.5	2.5	10.
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	9 ##	10.	13.778	44.	10.	128.444	11.333	10.	10.	10.	44.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	9	1.5	3.164	18.	0.17	31.71	5.631	0.17	0.455	2.55	18.
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	9 ##	2.5	6.667	30.	2.5	82.812	9.1	2.5	2.5	7.5	30.
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9	84.	191.667	1000.	23.	94561.25	307.508	23.	51.	160.	1000.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	9 ##	0.1	0.126	0.33	0.1	0.006	0.077	0.1	0.1	0.1	0.33
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9 ##	10.	25.778	120.	10.	1296.694	36.01	10.	10.	26.	120.

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Annual Analysis for 1989 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	8	15.75	13.85	24.2	0.	81.611	9.034	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	9	97.	177.367	1000.	6.3	96698.16	310.963	6.3	44.5	117.5	1000.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	9	1341.	1248.	1560.	830.	73092.	270.355	830.	954.	1464.	1560.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	9	1347.	1297.111	1639.	860.	94514.361	307.432	860.	948.5	1593.5	1639.
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	9	8.2	8.422	11.7	5.	5.067	2.251	5.	6.7	10.6	11.7
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	9 ##	7.	8.667	22.	7.	25.	5.	7.	7.	7.	22.
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	9	8.1	8.089	8.3	7.8	0.024	0.154	7.8	8.	8.2	8.3
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	9	8.1	8.063	8.3	7.8	0.024	0.156	7.8	8.	8.2	8.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	9	0.008	0.009	0.016	0.005	0.	0.003	0.005	0.006	0.01	0.016
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	9	2.	1.889	4.	1.	1.111	1.054	1.	1.	2.5	4.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	9	163.	156.111	194.	122.	524.361	22.899	122.	135.5	171.5	194.
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	9	199.	190.778	237.	149.	770.694	27.761	149.	166.	209.	237.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	9	193.	335.556	1780.	15.	299904.778	547.636	15.	101.	252.5	1780.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	9	0.09	0.118	0.35	0.003	0.015	0.122	0.003	0.014	0.22	0.35
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	9	0.6	0.733	1.5	0.2	0.173	0.415	0.2	0.45	1.1	1.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	9	0.021	0.067	0.253	0.003	0.007	0.086	0.003	0.003	0.121	0.253
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	9	3.	3.8	9.3	2.7	4.518	2.125	2.7	2.75	3.9	9.3

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Annual Analysis for 1989 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	9	459.9	404.1	488.7	285.9	7475.188	86.459	285.9	302.8	474.25	488.7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	9	120.	102.778	120.	75.	441.694	21.017	75.	78.5	120.	120.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	9	39.	35.889	46.	23.	72.611	8.521	23.	26.5	42.5	46.
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	9	120.	128.889	190.	67.	1938.361	44.027	67.	86.5	170.	190.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	9	5.	4.889	7.	3.	1.861	1.364	3.	3.5	6.	7.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	9	104.	123.811	192.5	66.	2207.919	46.988	66.	80.4	168.5	192.5
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	9	380.	344.444	500.	210.	10677.778	103.333	210.	230.	420.	500.
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	9 ##	0.5	0.728	2.5	0.25	0.489	0.699	0.25	0.375	0.775	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	9	928.	875.778	1110.	560.	46758.444	216.237	560.	632.	1076.	1110.
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	9	1.5	2.056	5.	1.	1.653	1.286	1.	1.	2.5	5.
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	9	0.083	0.108	0.33	0.057	0.007	0.085	0.057	0.066	0.105	0.33
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9 ##	2.5	5.556	30.	2.5	84.028	9.167	2.5	2.5	2.5	30.
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	9 ##	10.	14.333	49.	10.	169.	13.	10.	10.	10.	49.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	9	1.1	2.206	12.	0.19	13.685	3.699	0.19	0.735	1.55	12.
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	9 ##	2.5	4.444	20.	2.5	34.028	5.833	2.5	2.5	2.5	20.
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9	72.	168.889	940.	30.	84568.611	290.807	30.	50.	115.	940.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	9 ##	0.1	0.236	1.32	0.1	0.165	0.407	0.1	0.1	0.1	1.32
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	9 ##	10.	18.556	87.	10.	658.778	25.667	10.	10.	10.	87.

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Annual Analysis for 1990 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	8	14.75	13.188	23.2	0.	57.478	7.581	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	8	98.	101.963	260.	6.7	6867.297	82.869	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	8	1382.	1202.875	1491.	392.	171840.696	414.537	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	8	1375.	1208.25	1550.	413.	160984.786	401.229	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	8	9.	9.962	13.3	7.7	4.886	2.21	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	5 ##	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	8	7.95	7.95	8.1	7.8	0.009	0.093	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	8	7.947	7.941	8.1	7.8	0.009	0.093	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	8	0.011	0.011	0.016	0.008	0.	0.002	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	8	2.	2.375	4.	2.	0.554	0.744	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	8	152.	143.75	170.	94.	649.929	25.494	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	8	185.5	175.75	208.	115.	968.214	31.116	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	7	167.	345.143	1594.	16.	312726.143	559.219	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	8 ##	0.053	0.066	0.14	0.025	0.002	0.049	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	8	0.75	0.688	1.	0.3	0.081	0.285	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	8	0.112	0.176	0.572	0.026	0.034	0.184	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	5	3.	3.3	4.2	2.9	0.315	0.561	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	8	395.5	382.45	530.3	161.6	14171.709	119.045	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	8	99.	98.875	140.	45.	910.411	30.173	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	8	36.5	33.	44.	12.	122.	11.045	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	8	125.	115.875	180.	25.	2578.982	50.784	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	8	5.	4.65	6.	2.2	1.837	1.355	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	8	111.75	115.588	200.	20.2	3528.933	59.405	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	8	340.	327.25	517.	91.	18275.643	135.187	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	8 ##	0.5	0.85	2.5	0.25	0.576	0.759	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	8	931.	826.75	1078.	282.	79409.071	281.796	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	8	0.084	0.097	0.23	0.053	0.003	0.056	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	8 ##	0.5	0.563	1.	0.5	0.031	0.177	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8 ##	2.5	2.813	5.	2.5	0.781	0.884	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	8 ##	10.	12.	26.	10.	32.	5.657	**	**	**	**

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Annual Analysis for 1990 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	8	1.9	2.505	7.8	0.16	5.904	2.43	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	8 ##	2.5	5.625	25.	2.5	62.054	7.877	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8	100.	149.125	540.	35.	26414.125	162.524	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	8	23.	31.625	110.	10.	1100.268	33.17	**	**	**	**

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Annual Analysis for 1991 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	4	15.4	14.175	23.8	2.1	88.649	9.415	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	6	39.5	198.65	1000.	5.	155295.495	394.075	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	6	1193.5	1169.667	1235.	990.	8334.667	91.294	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	6	1130.	1146.833	1260.	1021.	8776.167	93.681	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	6	10.05	9.767	12.	7.1	5.179	2.276	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	6	8.1	8.067	8.3	7.8	0.039	0.197	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	6	8.089	8.029	8.3	7.8	0.04	0.201	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	6	0.008	0.009	0.016	0.005	0.	0.004	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	6	1.5	2.	4.	1.	1.6	1.265	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	6	151.	151.833	160.	142.	46.167	6.795	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	6	184.5	185.5	195.	174.	63.5	7.969	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	6	126.5	381.	1750.	11.	457107.2	676.097	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	6 ##	0.098	0.106	0.2	0.025	0.008	0.089	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	6	0.325	0.628	2.	0.05	0.526	0.725	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	6	0.119	0.197	0.661	0.026	0.056	0.237	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	6	375.	387.267	435.2	357.1	1157.051	34.015	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	6	100.	102.167	120.	91.	123.367	11.107	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	6	32.5	32.167	36.	28.	6.967	2.639	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	6	110.	112.333	150.	80.	664.667	25.781	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	6	4.5	4.583	6.	3.5	0.746	0.864	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	6	112.75	110.6	152.5	70.1	1098.32	33.141	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	6	305.	327.55	420.3	280.	2948.615	54.301	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	6 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	6	832.	799.	838.	696.	3516.4	59.299	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	6 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	6	0.089	0.094	0.17	0.053	0.002	0.043	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	6 ##	2.5	5.	10.	2.5	15.	3.873	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	6 ##	10.	14.167	35.	10.	104.167	10.206	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	6	0.815	3.123	14.	0.16	29.235	5.407	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	6 ##	2.5	5.	15.	2.5	25.	5.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	6	67.	133.833	500.	23.	33422.967	182.819	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	6 ##	10.	29.	110.	10.	1606.	40.075	**	**	**	**

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Annual Analysis for 1992 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	7	13.7	14.6	26.1	0.8	68.093	8.252	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	7	100.	175.714	525.	10.	40553.571	201.379	**	**	**	**

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Annual Analysis for 1992 - Station ARCH0081

Parameter		Period of Record	Obs		Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	7		1190.	1163.857	1600.	618.	88887.476	298.14	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	7		1200.	1157.	1520.	633.	75214.333	274.252	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	7		8.7	9.143	12.	6.8	4.293	2.072	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	7		8.1	7.971	8.2	7.3	0.092	0.304	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	7		8.1	7.844	8.2	7.3	0.111	0.334	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	7		0.008	0.014	0.05	0.006	0.	0.016	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	7		2.	3.	12.	1.	16.	4.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	7		149.	147.571	184.	113.	471.619	21.717	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	7		182.	180.	225.	138.	707.333	26.596	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	7		290.	423.429	1186.	19.	247557.286	497.551	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	7	##	0.025	0.043	0.105	0.025	0.001	0.032	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	7		0.7	0.663	1.36	0.12	0.181	0.425	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	7		0.284	0.445	1.734	0.013	0.369	0.608	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	7		370.2	368.157	447.5	233.7	5561.02	74.572	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	7		92.	93.143	120.	64.	323.476	17.985	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	7		36.	33.	43.	18.	74.667	8.641	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	7		120.	108.857	150.	47.	1222.143	34.959	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	7		4.9	4.443	5.2	2.5	0.953	0.976	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	7		94.5	105.333	165.	39.2	1932.312	43.958	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	7		340.	321.526	399.63	165.33	7055.857	83.999	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	3	##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	7		812.	797.429	1050.	426.	39779.619	199.448	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	3	##	2.5	3.333	5.	2.5	2.083	1.443	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	3		0.14	0.13	0.15	0.1	0.001	0.026	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	3	##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3	##	2.5	5.	10.	2.5	18.75	4.33	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	3	##	10.	14.	22.	10.	48.	6.928	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	3		4.2	4.5	7.	2.3	5.59	2.364	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	3		10.	10.833	20.	2.5	77.083	8.78	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3		190.	220.	330.	140.	9700.	98.489	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	3	##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3	##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	3		38.	33.333	52.	10.	457.333	21.385	**	**	**	**

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Annual Analysis for 1993 - Station ARCH0081

Parameter		Period of Record	Obs		Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	7		12.7	12.457	24.4	3.8	52.4	7.239	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	7		100.	384.357	1000.	5.5	205121.726	452.904	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	7		983.	930.143	1440.	368.	162401.143	402.99	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	7		1017.	920.571	1400.	360.	142938.619	378.072	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	7		8.4	8.614	10.6	6.6	2.071	1.439	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	7		7.8	7.8	8.2	7.4	0.06	0.245	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	7		7.8	7.741	8.2	7.4	0.064	0.253	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	7		0.016	0.018	0.04	0.006	0.	0.011	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	7		4.	3.714	6.	1.	2.571	1.604	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	7		153.	140.429	167.	87.	904.619	30.077	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	7		187.	171.429	204.	106.	1361.952	36.905	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	7		153.	934.429	3480.	16.	1675443.952	1294.389	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	7	##	0.025	0.042	0.084	0.025	0.001	0.029	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	3		0.452	0.794	1.68	0.25	0.599	0.774	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	7		0.136	0.285	0.923	0.019	0.138	0.371	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	7		343.	292.957	393.5	133.5	10721.906	103.547	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	7		88.	75.714	100.	37.	691.238	26.291	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	7		27.	25.286	35.	10.	95.905	9.793	**	**	**	**

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Annual Analysis for 1993 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	7	97.	83.429	150.	19.	2074.619	45.548	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	7	4.2	4.157	7.4	1.7	3.443	1.855	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	7	72.5	77.	163.	14.	2858.387	53.464	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	7	268.27	225.659	329.99	51.083	11680.539	108.077	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	7	684.	616.857	920.	228.	64025.143	253.032	**	**	**	**

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Annual Analysis for 1994 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	4	13.35	11.8	20.4	0.1	85.087	9.224	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	4	1071.	1046.25	1240.	803.	33370.917	182.677	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	1	1170.	1170.	1170.	1170.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	4	8.6	8.75	10.5	7.3	2.697	1.642	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	1	147.	147.	147.	147.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	1	316.4	316.4	316.4	316.4	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	1	132.	132.	132.	132.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	1	264.09	264.09	264.09	264.09	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	1	700.	700.	700.	700.	0.	0.	**	**	**	**

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Annual Analysis for 1995 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	7	12.3	12.4	21.9	5.9	38.057	6.169	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	2	9.	9.	13.	5.	32.	5.657	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	7	936.	800.857	1188.	304.	101706.476	318.915	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	2	967.	967.	979.	955.	288.	16.971	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	7	8.6	8.971	11.	7.5	1.639	1.28	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	1 ##	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	2	8.33	8.33	8.53	8.13	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	2	8.285	8.285	8.53	8.13	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	2	0.005	0.005	0.007	0.003	0.	0.003	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	2	136.5	136.5	141.	132.	40.5	6.364	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	2	166.5	166.5	172.	161.	60.5	7.778	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	2	21.	21.	29.	13.	128.	11.314	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	2	0.362	0.362	0.563	0.16	0.081	0.285	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**

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Annual Analysis for 1995 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	2	3.367	3.367	3.934	2.8	0.643	0.802	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	6	241.95	245.767	385.3	114.8	9454.575	97.235	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	6	64.	64.833	100.	32.	579.767	24.078	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	6	20.	20.417	33.	8.5	82.242	9.069	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	2	83.5	83.5	84.	83.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	2	3.7	3.7	3.9	3.5	0.08	0.283	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	2	86.75	86.75	87.5	86.	1.125	1.061	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	2	250.75	250.75	269.2	232.3	680.805	26.092	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	2	607.	607.	612.	602.	50.	7.071	**	**	**	**

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Annual Analysis for 1996 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	5	15.5	13.2	23.6	1.18	107.229	10.355	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	5	34.5	85.82	310.	5.9	15955.847	126.316	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	5	1033.	920.2	1209.	360.	109118.7	330.331	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	5	1066.	1579.6	3791.	891.	1535723.8	1239.243	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	5	8.3	8.414	11.14	6.9	2.877	1.696	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	5	8.31	8.298	8.48	7.99	0.035	0.188	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	5	8.31	8.262	8.48	7.99	0.037	0.192	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	5	0.005	0.005	0.01	0.003	0.	0.003	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	5	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	5	143.	132.2	152.	92.	574.7	23.973	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	5	174.	161.4	186.	112.	864.8	29.407	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	5	58.	255.96	1058.	14.	201932.008	449.368	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	4	0.056	0.093	0.232	0.025	0.009	0.094	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	4	0.528	0.838	2.035	0.262	0.67	0.818	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	4	0.08	0.078	0.11	0.04	0.001	0.033	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	5	308.9	303.02	442.1	141.2	11576.927	107.596	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	5	79.	79.2	118.	39.6	779.58	27.921	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	5	26.	25.62	35.9	10.3	96.047	9.8	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	5	98.	80.38	108.	23.3	1194.232	34.558	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	5	4.1	3.68	5.1	2.	1.437	1.199	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	5	98.	77.04	116.	2.2	2070.508	45.503	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	5	223.4	229.54	388.1	73.	12490.338	111.76	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	5	646.	600.4	860.	256.	49134.8	221.664	**	**	**	**

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Annual Analysis for 1997 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	4	2.56	5.835	17.02	1.2	56.378	7.509	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	3	36.3	160.717	440.	5.85	58731.186	242.345	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	4	944.5	812.5	1044.	317.	112413.667	335.281	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	3	952.	763.	1001.	336.	137347.	370.604	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	3	11.13	10.477	12.4	7.9	5.383	2.32	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	3	7.99	8.04	8.51	7.62	0.2	0.447	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	3	7.99	7.905	8.51	7.62	0.227	0.477	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	3	0.01	0.012	0.024	0.003	0.	0.011	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	3	2.	3.	6.	1.	7.	2.646	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	3	131.	113.667	134.	76.	1066.333	32.655	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	3	160.	138.667	163.	93.	1566.333	39.577	**	**	**	**

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Annual Analysis for 1997 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	3	94.	315.733	844.	9.2	211097.013	459.453	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	3 ##	0.025	0.048	0.095	0.025	0.002	0.04	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	3	0.354	0.682	1.443	0.25	0.437	0.661	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	2	0.259	0.259	0.355	0.162	0.019	0.136	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	3	262.	224.867	282.9	129.7	6901.723	83.077	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	3	67.4	59.067	73.	36.8	379.693	19.486	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	3	22.8	18.837	24.5	9.21	70.227	8.38	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	3	88.8	68.133	96.8	18.8	1841.333	42.911	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	3	3.18	2.917	4.11	1.46	1.808	1.344	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	3	97.	70.167	97.5	16.	2200.583	46.91	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	3	184.7	149.34	204.8	58.52	6287.207	79.292	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	3	584.	472.667	628.	206.	53817.333	231.986	**	**	**	**

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Annual Analysis for 1998 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	6	12.65	12.405	23.48	3.14	52.347	7.235	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	3	28.3	47.667	99.9	14.8	2091.803	45.736	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	6	956.	801.667	1080.	362.	96279.867	310.29	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	3	1010.	804.667	1011.	393.	127102.333	356.514	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	6	8.7	8.638	10.86	6.01	2.594	1.611	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	3	8.11	8.05	8.15	7.89	0.02	0.14	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	3	8.11	8.034	8.15	7.89	0.02	0.141	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	3	0.008	0.009	0.013	0.007	0.	0.003	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	3	140.	127.	143.	98.	633.	25.159	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	3	171.	155.	175.	119.	976.	31.241	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	5	167.3	873.46	2596.	29.2	1313777.378	1146.201	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	4 ##	0.025	0.034	0.06	0.025	0.	0.018	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	4	0.116	0.138	0.312	0.008	0.017	0.129	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	3	273.7	236.867	285.2	151.7	5473.083	73.98	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	3	70.3	61.9	72.9	42.5	283.96	16.851	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	3	23.9	20.033	25.1	11.1	60.213	7.76	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	3	102.	75.3	102.	21.9	2138.67	46.246	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	3	3.65	3.053	3.81	1.7	1.38	1.175	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	3	18.	48.333	110.	17.	2852.333	53.407	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	3	194.34	158.947	210.	72.5	5666.079	75.273	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	3	606.	501.333	620.	278.	37457.333	193.539	**	**	**	**

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Annual Analysis for 1999 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	4	3.65	5.675	13.4	2.	28.009	5.292	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	1	8.44	8.44	8.44	8.44	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	4	1071.5	1059.5	1255.	840.	28916.333	170.048	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	1	1360.	1360.	1360.	1360.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	4	10.3	10.8	13.4	9.2	3.273	1.809	**	**	**	**
00400	PH (STANDARD UNITS)	01/28/75-01/21/99	1	8.48	8.48	8.48	8.48	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	1	8.48	8.48	8.48	8.48	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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Annual Analysis for 1999 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	1	149.	149.	149.	149.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	1	182.	182.	182.	182.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	4	26.6	25.4	44.	4.4	343.947	18.546	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	1	0.023	0.023	0.023	0.023	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	1	371.5	371.5	371.5	371.5	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	1	94.3	94.3	94.3	94.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	1	33.1	33.1	33.1	33.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	1	151.	151.	151.	151.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	1	5.04	5.04	5.04	5.04	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	1	271.	271.	271.	271.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	1	810.	810.	810.	810.	0.	0.	**	**	**	**

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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	49	20.5	18.034	27.	1.6	45.715	6.761	2.6	15.05	23.2	23.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/78-09/30/99	11	6130.	6077.091	9761.	2616.	6391974.491	2528.235	2752.8	3700.	9100.	9681.8
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	40	107.5	216.99	1000.	2.8	74629.235	273.184	17.1	27.425	343.75	520.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	39	1200.	1158.974	2200.	494.	122450.131	349.929	725.	888.	1390.	1518.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	44	1295.	1317.5	2200.	660.	134217.233	366.357	825.	1034.5	1537.5	1855.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/02/85-01/21/99	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300p	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	43	7.5	7.351	9.6	1.	2.425	1.557	6.086	6.7	8.3	9.16
00310p	BOD, 5 DAY, 20 DEG C MG/L	02/19/76-12/09/99	15	2.	2.	5.	1.	1.071	1.035	1.	1.5	2.	3.8
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	32	16.5	335.766	9999.	5.	3111226.048	1763.867	5.	7.	22.	59.3
00400p	PH (STANDARD UNITS)	01/28/75-01/21/99	34	8.2	8.173	8.6	7.3	0.067	0.258	7.9	8.	8.4	8.445
00400p	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	34	8.2	8.079	8.6	7.3	0.076	0.275	7.9	8.	8.4	8.445
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	34	0.006	0.008	0.05	0.003	0.	0.008	0.004	0.004	0.01	0.013
00405p	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	48	2.	2.104	12.	0.	3.031	1.741	1.	1.	3.	3.
00406p	PH, FIELD, STANDARD UNITS SU	02/19/76-12/09/99	44	8.25	8.233	8.6	7.7	0.056	0.236	7.85	8.1	8.4	8.5
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/19/76-12/09/99	44	8.247	8.167	8.6	7.7	0.06	0.246	7.85	8.1	8.4	8.5
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/19/76-12/09/99	44	0.006	0.007	0.02	0.003	0.	0.004	0.003	0.004	0.008	0.014
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	41	151.	150.171	175.	112.	309.245	17.585	123.2	139.	165.5	173.6
00440p	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	41	184.	182.951	214.	136.	456.398	21.363	150.4	170.	202.	211.6
00445	CARBONATE ION (MG/L AS CO3)	08/21/78-01/21/99	25	0.	0.48	4.	0.	1.51	1.229	0.	0.	0.	3.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	44	220.	897.634	8640.	1.5	2404081.404	1550.51	34.8	76.	1169.5	2145.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	42	0.087	0.279	8.1	0.003	1.534	1.238	0.025	0.025	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/77-01/19/89	18 ##	0.005	0.037	0.25	0.005	0.004	0.064	0.005	0.005	0.05	0.16
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-01/19/89	25	0.93	1.106	2.55	0.46	0.332	0.577	0.486	0.675	1.55	2.02
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	40	0.645	1.089	6.9	0.05	1.556	1.247	0.266	0.4	1.345	2.5
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/22/90-01/21/99	4	0.76	0.725	0.918	0.463	0.044	0.21	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	39	0.17	0.319	2.	0.003	0.178	0.422	0.025	0.06	0.36	0.923
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/22/90-01/21/99	6	0.019	0.09	0.474	0.005	0.035	0.188	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	27	3.3	6.044	23.3	2.	27.427	5.237	2.46	3.	8.5	14.78
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	43	440.	433.721	750.	198.9	16069.73	126.766	277.6	338.9	490.	636.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	43	115.	113.335	204.	55.	1081.384	32.884	70.	88.	128.	165.6
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	43	37.	36.553	68.	15.	129.458	11.378	21.2	28.	42.	52.8
00930p	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	41	118.	114.649	190.	48.	1332.718	36.506	61.2	89.	140.	169.6
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	41	5.	5.151	9.	3.	2.272	1.507	3.	4.	6.	7.32
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	41	105.	102.412	170.	7.1	1482.922	38.509	50.2	71.3	129.5	156.9
00946p	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	41	370.	387.545	750.	153.	20959.746	144.775	220.4	285.	450.	618.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-02/18/98	11	0.415	0.419	0.64	0.23	0.014	0.12	0.244	0.34	0.5	0.616
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/19/76-01/21/99	8 ##	2.5	3.375	10.	2.	7.196	2.683	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/75-01/21/99	6	64.5	87.167	200.	57.	3121.367	55.869	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-01/21/99	7 ##	0.5	2.357	9.	0.5	11.393	3.375	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/19/77-01/21/99	7 ##	2.5	4.286	15.	2.5	22.321	4.725	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	02/19/76-01/21/99	7 ##	10.	10.143	24.	5.	42.143	6.492	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/07/75-01/21/99	8 ##	10.	16.625	58.	10.	282.554	16.809	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-01/21/99	6 ##	1.5	1.833	2.5	1.5	0.267	0.516	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/17/77-01/21/99	7	9.4	18.829	65.	2.5	473.869	21.769	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-02/18/98	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-01/21/99	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-01/21/99	6 ##	12.5	425.833	2500.	5.	1032534.167	1016.137	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/19/76-01/21/99	8	4.	3.85	6.	1.	2.694	1.641	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	32 ##	0.5	0.789	3.5	0.2	0.719	0.848	0.25	0.25	1.	2.5
01501p	ALPHA, TOTAL	05/07/75-02/18/98	14	13.5	15.636	34.	1.	115.442	10.744	3.	6.5	27.25	32.5
03501p	BETA, TOTAL	05/07/75-02/18/98	15	18.	23.533	66.	5.	375.838	19.387	5.	5.	40.	55.8
09501	RADIUM 226, TOTAL	03/15/78-02/18/98	14 ##	0.375	0.721	2.	0.1	0.411	0.641	0.175	0.25	1.	2.
11501	RADIUM 228, TOTAL	05/01/85-02/18/98	4 ##	0.6	0.675	1.	0.5	0.056	0.236	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	11	1500.	23385.727	240000.	23.	5163734548.818	71859.13	104.4	430.	4100.	192920.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	11	3.176	3.166	5.38	1.362	0.959	0.979	1.616	2.633	3.613	5.037
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1464.592								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	11	90.	528.364	4000.	23.	1355638.655	1164.319	23.	23.	430.	3286.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	11	1.954	2.136	3.602	1.362	0.506	0.711	1.362	1.362	2.633	3.408
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			136.639								

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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/18/91-12/09/99	12	437.	339.5	593.	0.	67502.455	259.812	0.	0.	572.5	589.7
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/18/91-12/09/99	12	221.	176.667	275.	0.	10349.333	101.732	0.	85.75	257.25	272.3
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	42	902.	907.071	1506.	446.	74159.336	272.322	544.	702.	1056.5	1335.8
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/07/75-01/19/89	19	0.02	0.092	0.66	0.003	0.029	0.171	0.005	0.01	0.06	0.4
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/08/92-01/21/99	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	29	2.	2.072	6.5	0.25	1.908	1.381	0.55	1.	2.5	4.
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	28	0.076	0.098	0.4	0.025	0.009	0.095	0.025	0.025	0.11	0.267
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	28 ##	0.5	1.018	10.	0.5	3.398	1.843	0.5	0.5	0.5	2.1
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	28 ##	2.5	5.625	30.	2.5	53.067	7.285	2.5	2.5	5.	12.
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	30 ##	10.	14.6	49.	5.	133.352	11.548	5.	10.	16.25	35.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	33	1.46	6.515	99.99	0.04	303.629	17.425	0.17	0.51	4.66	13.2
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	29 ##	2.5	8.362	40.	2.5	92.105	9.597	2.5	2.5	13.	25.
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	32	103.5	253.375	1400.	5.	126468.242	355.624	20.1	36.25	235.	928.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	29 ##	0.1	0.088	0.3	0.05	0.003	0.053	0.05	0.05	0.1	0.1
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-10/06/83	9 ##	5.	7.167	20.	2.5	29.75	5.454	2.5	5.	8.5	20.
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	28 ##	1.	1.375	7.	1.	1.456	1.207	1.	1.	1.	2.55
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	29	20.	40.448	220.	2.5	2355.131	48.53	5.	10.	67.5	110.

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	75	5.	5.262	14.	0.	13.247	3.64	0.92	2.1	8.	11.
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/78-09/30/99	18	4782.5	6352.611	32540.	2900.	44173830.84	6646.34	3350.	3810.	5828.25	9887.
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	70	27.65	118.201	1000.	3.5	42210.934	205.453	5.32	7.9	110.	424.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	72	1108.	1157.278	2500.	640.	79028.175	281.12	851.5	969.	1300.	1497.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	76	1185.	1234.145	1800.	830.	64958.792	254.87	948.4	1003.25	1443.75	1602.4
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/02/85-01/21/99	40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300p	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	67	10.4	10.464	14.3	7.	2.362	1.537	8.46	9.4	11.6	12.42
00310p	BOD, 5 DAY, 20 DEG C MG/L	02/19/76-12/09/99	27	1.5	1.556	4.	0.5	0.583	0.764	1.	1.	2.	3.
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	52	10.	14.183	87.	4.	205.53	14.336	5.	6.	16.75	31.9
00400p	PH (STANDARD UNITS)	01/28/75-01/21/99	56	8.2	8.185	8.6	6.8	0.087	0.296	7.87	8.1	8.4	8.5
00400p	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	56	8.2	8.007	8.6	6.8	0.119	0.346	7.87	8.1	8.4	8.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	56	0.006	0.01	0.158	0.003	0.	0.021	0.003	0.004	0.008	0.014
00405p	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	81	2.	4.049	44.	1.	75.648	8.698	1.	1.	2.	5.
00406p	PH, FIELD, STANDARD UNITS SU	02/19/76-12/09/99	67	8.4	8.337	9.5	7.2	0.148	0.384	7.98	8.2	8.5	8.702
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/19/76-12/09/99	67	8.4	8.123	9.5	7.2	0.194	0.441	7.98	8.2	8.5	8.702
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/19/76-12/09/99	67	0.004	0.008	0.063	0.	0.	0.012	0.002	0.003	0.006	0.011
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	70	151.	153.086	194.	129.	187.529	13.694	136.	142.5	162.	172.
00440p	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	70	184.	186.571	237.	158.	281.959	16.792	166.	173.5	198.	210.
00445	CARBONATE ION (MG/L AS CO3)	08/21/78-01/21/99	43	0.	0.233	6.	0.	0.992	0.996	0.	0.	0.	0.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	79	55.	224.819	2596.	1.	180731.245	425.125	6.	16.	240.	645.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	72	0.1	0.139	1.1	0.025	0.026	0.162	0.025	0.031	0.2	0.3
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/77-01/19/89	26 ##	0.008	0.021	0.1	0.005	0.001	0.026	0.005	0.005	0.025	0.065
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-01/19/89	36	0.695	0.784	1.7	0.13	0.122	0.349	0.401	0.51	1.05	1.275
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	66	0.581	0.696	2.4	0.16	0.29	0.538	0.2	0.3	0.825	1.69
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/22/90-01/21/99	11	0.645	0.59	0.937	0.16	0.063	0.252	0.17	0.405	0.815	0.922
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	65	0.09	0.144	0.71	0.003	0.024	0.155	0.016	0.031	0.19	0.361
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/22/90-01/21/99	11	0.014	0.021	0.076	0.005	0.	0.021	0.005	0.01	0.02	0.069
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	46	2.95	6.335	39.	1.1	61.564	7.846	2.1	2.525	7.475	12.94
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	70	341.5	361.137	600.	250.	6416.062	80.1	278.03	295.3	409.875	475.67
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	70	86.5	90.384	160.	64.	446.745	21.136	68.	74.	99.25	120.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	70	32.	32.577	56.	2.	69.058	8.31	25.	27.	38.25	43.9
00930p	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	69	120.	124.893	220.	75.	1100.94	33.18	84.	96.	150.	170.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	69	5.	4.948	10.	2.	1.934	1.391	3.5	4.	6.	7.
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	70	125.	127.97	240.	18.	1954.113	44.205	76.4	96.475	163.5	192.25

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946p	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	70	273.	293.879	550.	171.	7380.433	85.909	200.48	230.075	356.25	413.5
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-02/18/98	23	0.35	0.331	0.45	0.056	0.008	0.092	0.196	0.28	0.39	0.436
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/19/76-01/21/99	22 ##	2.5	2.255	4.	0.4	0.775	0.88	0.5	2.	2.5	3.34
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/75-01/21/99	17	57.	60.824	100.	49.	190.529	13.803	49.8	50.5	65.	83.2
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-01/21/99	19 ##	0.5	3.737	40.	0.5	83.677	9.148	0.5	0.5	4.	10.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/19/77-01/21/99	16 ##	2.5	3.719	10.	2.5	7.266	2.695	2.5	2.5	2.5	10.
01040	COPPER, DISSOLVED (UG/L AS CU)	02/19/76-01/21/99	20 ##	8.	8.	12.	5.	5.368	2.317	5.1	6.	10.	10.
01046	IRON, DISSOLVED (UG/L AS FE)	05/07/75-01/21/99	20	17.	38.96	319.	5.	4975.443	70.537	10.	10.	31.5	112.3
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-01/21/99	18 ##	1.5	5.667	30.	1.5	73.971	8.601	1.5	1.5	4.375	21.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/17/77-01/21/99	17	17.	17.912	39.	2.5	110.007	10.488	4.5	8.	24.5	34.2
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-02/18/98	12 ##	5.	11.25	25.	5.	73.295	8.561	5.	5.	20.	25.
01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-01/21/99	17 ##	1.	1.265	5.	0.5	1.004	1.002	0.9	1.	1.	2.6
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-01/21/99	22 ##	15.	17.727	100.	5.	375.541	19.379	6.5	10.	15.	30.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/19/76-01/21/99	23	2.9	2.926	10.	0.5	4.49	2.119	0.5	1.	4.	5.
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	47 ##	0.25	0.622	3.	0.25	0.6	0.775	0.25	0.25	0.5	2.5
01501p	ALPHA, TOTAL	05/07/75-02/18/98	26	7.5	10.731	50.	1.	119.798	10.945	1.7	4.	13.15	26.62
03501p	BETA, TOTAL	05/07/75-02/18/98	28	17.	22.954	81.	5.	469.268	21.663	5.	5.	31.5	60.8
09501	RADIUM 226, TOTAL	03/15/78-02/18/98	25 ##	0.25	43.838	1084.	0.05	46959.745	216.702	0.08	0.25	0.25	2.74
11501	RADIUM 228, TOTAL	05/01/85-02/18/98	9 ##	0.5	0.612	1.01	0.5	0.05	0.223	0.5	0.5	0.75	1.01
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	19	240.	435.211	2400.	23.	310469.509	557.198	23.	90.	430.	1100.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	19	2.38	2.347	3.38	1.362	0.31	0.557	1.362	1.954	2.633	3.041
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			222.567								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	20	40.	2148.925	24000.	4.	37511992.086	6124.703	11.5	17.	615.	13650.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	20	1.602	1.952	4.38	0.602	1.102	1.05	1.061	1.223	2.737	4.076
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			89.576								
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/18/91-12/09/99	22	417.5	356.136	675.	0.	45120.409	212.416	0.	234.	498.	565.8
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/18/91-12/09/99	22	201.5	174.182	290.	0.	10428.251	102.119	0.	130.5	247.75	283.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	75	758.	806.827	1254.	534.	35394.064	188.133	588.4	628.	978.	1074.8
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/07/75-01/19/89	31	0.04	0.08	0.8	0.003	0.022	0.147	0.01	0.01	0.06	0.196
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/08/92-01/21/99	14 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	46	1.	1.422	5.	0.25	1.044	1.022	0.25	0.5	2.5	2.5
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	45	0.054	0.057	0.11	0.025	0.001	0.029	0.025	0.025	0.088	0.1
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	45 ##	0.5	0.767	9.	0.5	1.723	1.313	0.5	0.5	0.5	0.7
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	46 ##	2.5	2.826	10.	2.5	1.558	1.248	2.5	2.5	2.5	3.25
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	47 ##	10.	10.468	40.	5.	45.95	6.779	5.	5.	10.	15.4
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	56	0.495	2.794	61.	0.03	77.539	8.806	0.13	0.203	2.263	5.051
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	46 ##	2.5	3.88	26.	2.5	15.046	3.879	2.5	2.5	3.125	6.5
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	47	45.	69.872	425.	5.	5516.853	74.276	15.	23.	93.	171.6
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	47 ##	0.05	0.086	0.5	0.05	0.006	0.076	0.05	0.05	0.1	0.1
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-10/06/83	11 ##	5.	7.5	15.	5.	13.75	3.708	5.	5.	10.	14.5
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	45 ##	1.	1.122	5.	1.	0.399	0.632	1.	1.	1.	1.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	47	15.	19.734	120.	2.5	419.901	20.491	5.	10.	25.	36.4

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	27	12.7	12.985	18.3	1.7	11.674	3.417	9.5	11.5	15.5	17.16
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/78-09/30/99	5	22670.	25754.	68000.	4700.	627009080.	25040.149	**	**	**	**
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	27	225.	273.222	1050.	59.	60403.872	245.772	80.	110.	325.	640.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	25	605.	684.64	1374.	273.	102431.823	320.05	360.	448.5	890.5	1258.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	29	743.	906.862	3791.	285.	453466.837	673.399	400.	473.	1120.	1610.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/02/85-01/21/99	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300p	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	27	8.4	8.37	12.3	5.7	1.373	1.172	7.	7.8	8.6	9.44
00310p	BOD, 5 DAY, 20 DEG C MG/L	02/19/76-12/09/99	7 ##	1.5	2.429	5.	1.5	1.786	1.336	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	18	13.	21.028	128.	7.	823.661	28.699	7.	7.	19.25	58.7

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	01/28/75-01/21/99	19	8.	7.894	8.2	6.1	0.212	0.46	7.7	7.9	8.1	8.2
00400p	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	19	8.	7.284	8.2	6.1	0.605	0.778	7.7	7.9	8.1	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	19	0.01	0.052	0.794	0.006	0.032	0.18	0.006	0.008	0.013	0.02
00405p	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	32	2.	21.594	166.	1.	2734.12	52.289	1.	1.25	3.75	149.
00406p	PH, FIELD, STANDARD UNITS SU	02/19/76-12/09/99	23	8.1	8.052	8.5	7.5	0.077	0.278	7.54	7.9	8.2	8.4
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/19/76-12/09/99	23	8.1	7.96	8.5	7.5	0.086	0.293	7.54	7.9	8.2	8.4
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/19/76-12/09/99	23	0.008	0.011	0.032	0.003	0.	0.008	0.004	0.006	0.013	0.029
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	27	124.	124.444	164.	84.	507.026	22.517	92.8	108.	146.	153.2
00440p	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	28	148.	151.071	200.	102.	755.106	27.479	113.8	132.	177.25	187.1
00445	CARBONATE ION (MG/L AS CO3)	08/21/78-01/21/99	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	27	635.	898.519	3980.	122.	847497.105	920.596	168.6	270.	1070.	2036.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	29	0.1	0.101	0.3	0.025	0.004	0.066	0.025	0.061	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/77-01/19/89	10 ##	0.005	0.019	0.1	0.005	0.001	0.03	0.005	0.005	0.025	0.093
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-01/19/89	14	0.475	0.629	1.45	0.28	0.131	0.362	0.325	0.393	0.788	1.35
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	27	0.7	1.291	6.5	0.1	2.212	1.487	0.264	0.4	1.68	3.34
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/22/90-01/21/99	5	0.367	0.418	0.623	0.326	0.014	0.119	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	25	0.28	0.335	1.734	0.021	0.116	0.34	0.07	0.133	0.43	0.623
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/22/90-01/21/99	5	0.019	0.02	0.03	0.01	0.	0.008	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	21	4.3	7.611	19.7	1.	32.697	5.718	3.26	3.7	12.9	18.4
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	28	237.5	255.775	500.	116.	9776.438	98.876	150.92	173.75	310.65	428.83
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	29	59.	63.779	128.	30.	591.712	24.325	40.	45.	77.5	110.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	29	20.	22.597	54.	10.	130.342	11.417	11.	13.	28.5	41.
00930p	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	28	54.	68.225	195.	14.	2003.84	44.764	23.17	32.25	100.75	126.5
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	28	3.	3.732	8.	1.	2.903	1.704	2.	2.275	5.	6.1
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	28	46.	64.018	230.	2.2	2974.879	54.542	13.5	23.125	93.55	156.2
00946p	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	28	167.665	185.706	410.	51.	10503.637	102.487	68.9	98.575	240.5	371.1
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-02/18/98	8	0.248	0.251	0.37	0.14	0.007	0.082	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/19/76-01/21/99	7	2.5	2.114	2.8	1.	0.425	0.652	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/75-01/21/99	6	63.5	100.833	300.	50.	9664.967	98.311	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-01/21/99	5 ##	0.5	2.3	5.	0.5	6.075	2.465	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/19/77-01/21/99	6 ##	6.25	7.083	15.	2.5	28.542	5.342	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	02/19/76-01/21/99	6 ##	5.5	6.167	10.	5.	3.767	1.941	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/07/75-01/21/99	7	40.	41.614	80.	10.	887.408	29.789	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-01/21/99	6 ##	3.25	8.25	20.	1.5	84.675	9.202	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/17/77-01/21/99	6	5.	5.2	8.7	2.5	3.94	1.985	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/28/75-02/18/98	4	15.	14.75	25.	4.	140.25	11.843	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-01/21/99	6 ##	3.	3.	5.	1.	4.8	2.191	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-01/21/99	6	12.5	14.5	37.	5.	141.5	11.895	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/19/76-01/21/99	7	1.	1.357	2.5	0.8	0.433	0.658	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	20 ##	0.25	0.703	2.5	0.25	0.658	0.811	0.25	0.25	0.5	2.5
01501p	ALPHA, TOTAL	05/07/75-02/18/98	8	4.	5.5	19.	2.	32.286	5.682	**	**	**	**
03501p	BETA, TOTAL	05/07/75-02/18/98	9	12.5	19.5	68.	5.	403.375	20.084	5.	7.5	26.	68.
09501	RADIUM 226, TOTAL	03/15/78-02/18/98	7	0.5	36.429	250.	0.15	8869.843	94.18	**	**	**	**
11501	RADIUM 228, TOTAL	05/01/85-02/18/98	3	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	4	3500.	4175.	9300.	400.	14235833.333	3773.04	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	4	3.532	3.409	3.968	2.602	0.338	0.582	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			2563.562								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	4	295.	805.	2400.	230.	1134433.333	1065.098	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	4	2.459	2.665	3.38	2.362	0.236	0.486	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			462.373								
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/18/91-12/09/99	6	157.5	185.5	526.	0.	39064.7	197.648	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/18/91-12/09/99	6	84.5	102.667	250.	0.	7073.467	84.104	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	29	444.	516.69	1118.	230.	65304.65	255.548	254.	311.	678.	912.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/07/75-01/19/89	14	0.025	0.103	0.44	0.005	0.022	0.15	0.008	0.02	0.158	0.43
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/08/92-01/21/99	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	20	2.5	2.475	5.	1.	1.013	1.006	1.05	1.625	3.	3.95
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	20	0.092	0.106	0.23	0.025	0.002	0.046	0.061	0.073	0.138	0.168
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	20 ##	0.5	0.575	1.	0.5	0.034	0.183	0.5	0.5	0.5	1.
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	20 ##	2.5	4.325	15.	2.5	13.823	3.718	2.5	2.5	4.375	11.8

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	20 ##	10.	12.3	27.	5.	44.432	6.666	5.	10.	15.75	25.6
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	25	3.01	4.182	28.6	0.75	30.005	5.478	1.08	1.635	4.435	7.8
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	20	5.5	9.175	25.	2.5	58.428	7.644	2.5	2.5	13.25	23.6
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	20	140.	201.05	540.	72.	17618.05	132.733	75.9	96.25	320.	408.5
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	22 ##	0.1	0.077	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-10/06/83	4 ##	5.	8.75	20.	5.	56.25	7.5	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	20 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	20	31.5	36.75	110.	10.	601.882	24.533	10.	20.	51.5	64.5

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-12/09/99	21	17.02	17.201	24.	1.3	34.444	5.869	4.82	15.75	21.4	22.88
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/13/78-09/30/99	4	28400.	23800.	35000.	3400.	196346666.667	14012.375	**	**	**	**
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	01/28/75-01/21/99	18	100.45	144.511	600.	10.	19677.318	140.276	29.8	59.75	173.75	357.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/11/78-12/09/99	18	513.5	604.5	1200.	304.	82152.147	286.622	315.7	361.5	850.75	1054.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/28/75-01/21/99	19	600.	643.211	1400.	336.	98133.62	313.263	345.	375.	834.	1200.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/02/85-01/21/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300p	OXYGEN, DISSOLVED MG/L	02/19/76-12/09/99	19	7.9	7.922	9.6	5.5	0.971	0.985	6.7	7.3	8.7	9.3
00310p	BOD, 5 DAY, 20 DEG C MG/L	02/19/76-12/09/99	4	1.25	1.875	4.	1.	2.063	1.436	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	02/19/76-11/15/95	13	8.	10.5	25.	5.	33.333	5.774	5.	7.	12.	22.6
00400p	PH (STANDARD UNITS)	01/28/75-01/21/99	12	8.15	8.107	8.6	7.4	0.098	0.313	7.547	7.923	8.275	8.57
00400p	CONVERTED PH (STANDARD UNITS)	01/28/75-01/21/99	12	8.147	7.989	8.6	7.4	0.113	0.336	7.547	7.922	8.275	8.57
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/28/75-01/21/99	12	0.007	0.01	0.04	0.003	0.	0.01	0.003	0.005	0.012	0.032
00405p	CARBON DIOXIDE (MG/L AS CO2)	01/28/75-01/21/99	21	2.	1.952	6.	1.	1.748	1.322	1.	1.	2.	4.6
00406p	PH, FIELD, STANDARD UNITS SU	02/19/76-12/09/99	18	8.1	8.175	9.2	7.7	0.118	0.344	7.79	7.975	8.325	8.57
00406p	CONVERTED PH, FIELD, STANDARD UNITS	02/19/76-12/09/99	18	8.1	8.078	9.2	7.7	0.128	0.358	7.79	7.975	8.325	8.57
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/19/76-12/09/99	18	0.008	0.008	0.02	0.001	0.	0.005	0.003	0.005	0.011	0.016
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	18	98.	100.833	134.	76.	250.618	15.831	78.7	87.	114.25	123.2
00440p	BICARBONATE ION (MG/L AS HCO3)	01/28/75-01/21/99	18	119.5	122.944	163.	93.	373.467	19.325	95.7	106.	139.25	150.4
00445	CARBONATE ION (MG/L AS CO3)	08/21/78-01/21/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-12/09/99	19	167.3	310.121	1190.	24.	92042.112	303.384	60.	100.	513.	766.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/28/75-01/21/99	17 ##	0.05	0.056	0.2	0.003	0.002	0.047	0.021	0.025	0.075	0.12
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/77-01/19/89	5 ##	0.005	0.014	0.03	0.005	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/28/75-01/19/89	8	0.355	0.493	0.9	0.2	0.084	0.291	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-06/26/97	16	0.56	0.661	2.2	0.1	0.275	0.525	0.17	0.3	0.875	1.64
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/22/90-01/21/99	2	0.35	0.35	0.43	0.27	0.013	0.113	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-01/21/99	15	0.162	0.181	0.42	0.003	0.012	0.11	0.019	0.142	0.23	0.348
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/22/90-01/21/99	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/77-11/15/95	13	2.9	4.615	14.	1.	13.45	3.667	1.24	2.5	6.45	12.04
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	01/28/75-01/21/99	19	170.	212.211	520.	114.8	9957.945	99.79	129.7	140.	264.	344.7
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	01/28/75-01/21/99	19	47.	57.911	132.	32.	623.03	24.961	36.8	40.	72.	92.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/28/75-01/21/99	19	13.	16.411	46.	8.	85.12	9.226	8.5	10.	20.	28.
00930p	SODIUM, DISSOLVED (MG/L AS NA)	01/28/75-01/21/99	18	31.	45.817	150.	17.	1165.532	34.14	18.62	20.	63.25	93.3
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	01/28/75-01/21/99	18	2.	2.764	9.	1.46	2.974	1.725	1.676	2.	3.	4.5
00941p	CHLORIDE, DISSOLVED IN WATER MG/L	01/28/75-01/21/99	18	27.	43.344	155.	12.	1372.173	37.043	12.9	16.	64.725	91.01
00946p	SULFATE, DISSOLVED (MG/L AS SO4)	01/28/75-01/21/99	18	98.5	150.174	510.	51.083	13252.018	115.117	57.776	75.875	192.5	342.627
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	01/28/75-02/18/98	4	0.245	0.283	0.45	0.19	0.014	0.116	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/19/76-01/21/99	3	1.5	1.667	2.5	1.	0.583	0.764	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	05/07/75-01/21/99	2	58.	58.	66.	50.	128.	11.314	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/28/75-01/21/99	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/19/77-01/21/99	2 ##	6.25	6.25	10.	2.5	28.125	5.303	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	02/19/76-01/21/99	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/07/75-01/21/99	2 ##	25.	25.	40.	10.	450.	21.213	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/28/75-01/21/99	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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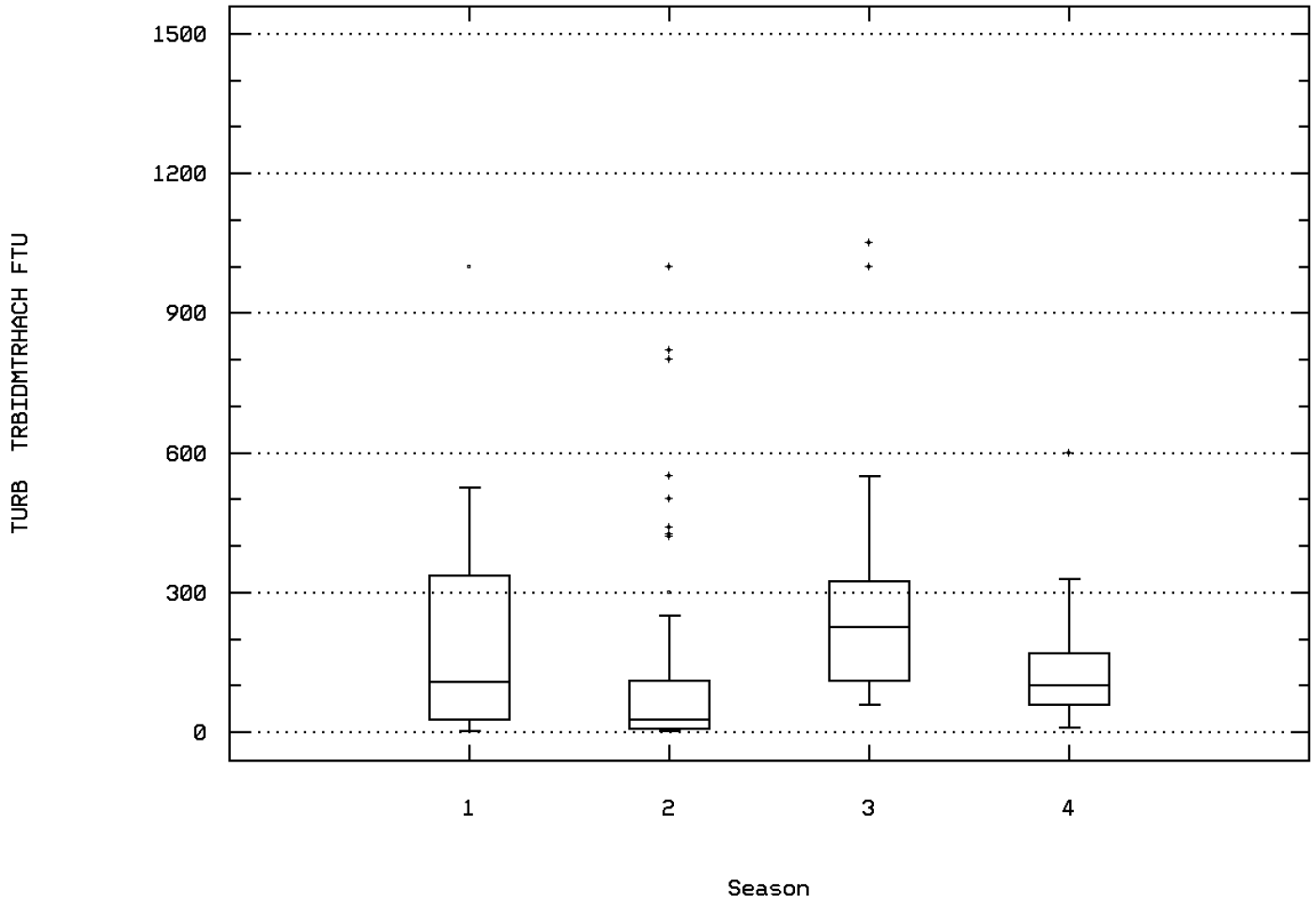
Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/17/77-01/21/99	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/28/75-01/21/99	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/28/75-01/21/99	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/19/76-01/21/99	3	1.2	1.567	2.5	1.	0.663	0.814	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-05/14/92	11 ##	0.25	0.295	0.5	0.25	0.01	0.101	0.25	0.25	0.25	0.5
01501p	ALPHA, TOTAL	05/07/75-02/18/98	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**	**
03501p	BETA, TOTAL	05/07/75-02/18/98	2 ##	9.5	9.5	14.	5.	40.5	6.364	**	**	**	**
09501	RADIUM 226, TOTAL	03/15/78-02/18/98	2 ##	0.2	0.2	0.25	0.15	0.005	0.071	**	**	**	**
11501	RADIUM 228, TOTAL	05/01/85-02/18/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	3	240.	310.	460.	230.	16900.	130.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-08/10/93	3	2.38	2.468	2.663	2.362	0.028	0.169	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			293.922								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	2	12075.	12075.	24000.	150.	284411250.	16864.497	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-08/10/93	2	3.278	3.278	4.38	2.176	2.429	1.559	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			1897.367								
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/18/91-12/09/99	6	119.	145.833	488.	0.	32214.167	179.483	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/18/91-12/09/99	6	67.	77.167	211.	0.	5076.567	71.25	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/28/75-01/21/99	18	289.5	402.778	1120.	206.	53883.712	232.129	218.6	234.	513.	731.2
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/07/75-01/19/89	6	0.095	0.107	0.22	0.01	0.009	0.097	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/08/92-01/21/99	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/11/78-05/14/92	11	2.	2.227	4.5	1.	0.968	0.984	1.	1.5	2.5	4.2
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-05/14/92	11	0.08	0.081	0.12	0.025	0.001	0.025	0.033	0.07	0.1	0.116
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	11 ##	0.5	0.636	1.	0.5	0.055	0.234	0.5	0.5	1.	1.
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	12 ##	2.5	6.875	45.	2.5	149.006	12.207	2.5	2.5	4.375	34.5
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	11 ##	10.	10.455	25.	5.	32.273	5.681	5.	5.	10.	23.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	01/28/75-05/14/92	14	2.46	3.026	7.6	0.72	4.152	2.038	0.925	1.438	3.968	7.1
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-05/14/92	11	10.	11.	25.	2.5	60.15	7.756	2.5	5.	20.	24.
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	12	122.5	136.667	330.	5.	8596.97	92.72	15.5	58.75	211.25	297.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-05/14/92	11 ##	0.05	0.184	1.32	0.05	0.143	0.378	0.05	0.05	0.1	1.076
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-10/06/83	5 ##	5.	7.	15.	5.	20.	4.472	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	12 ##	1.	1.333	5.	1.	1.333	1.155	1.	1.	1.	3.8
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-05/14/92	12	37.5	40.75	125.	10.	950.386	30.828	10.	17.5	48.75	105.5

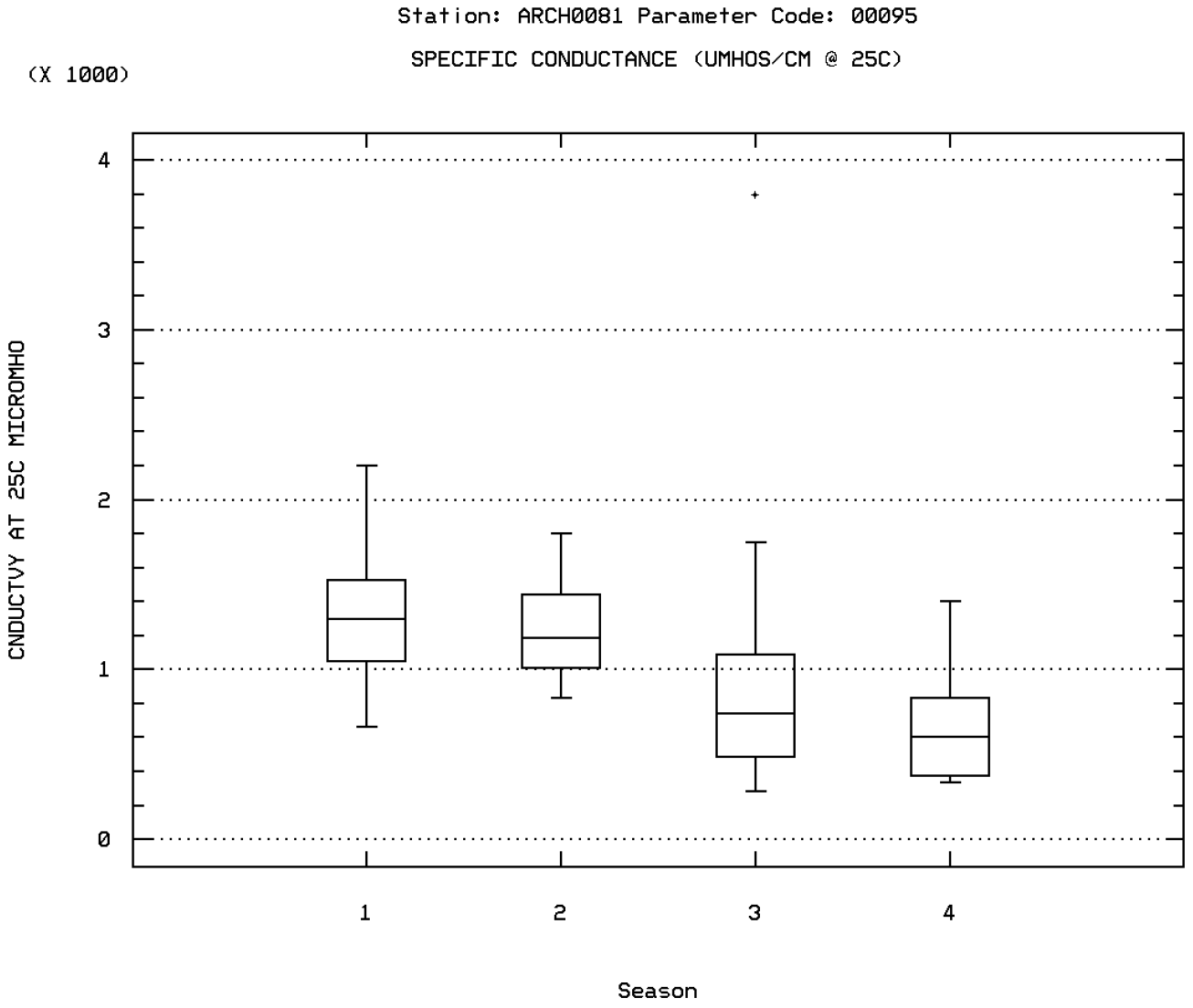
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: ARCH0081 Parameter Code: 00076

TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



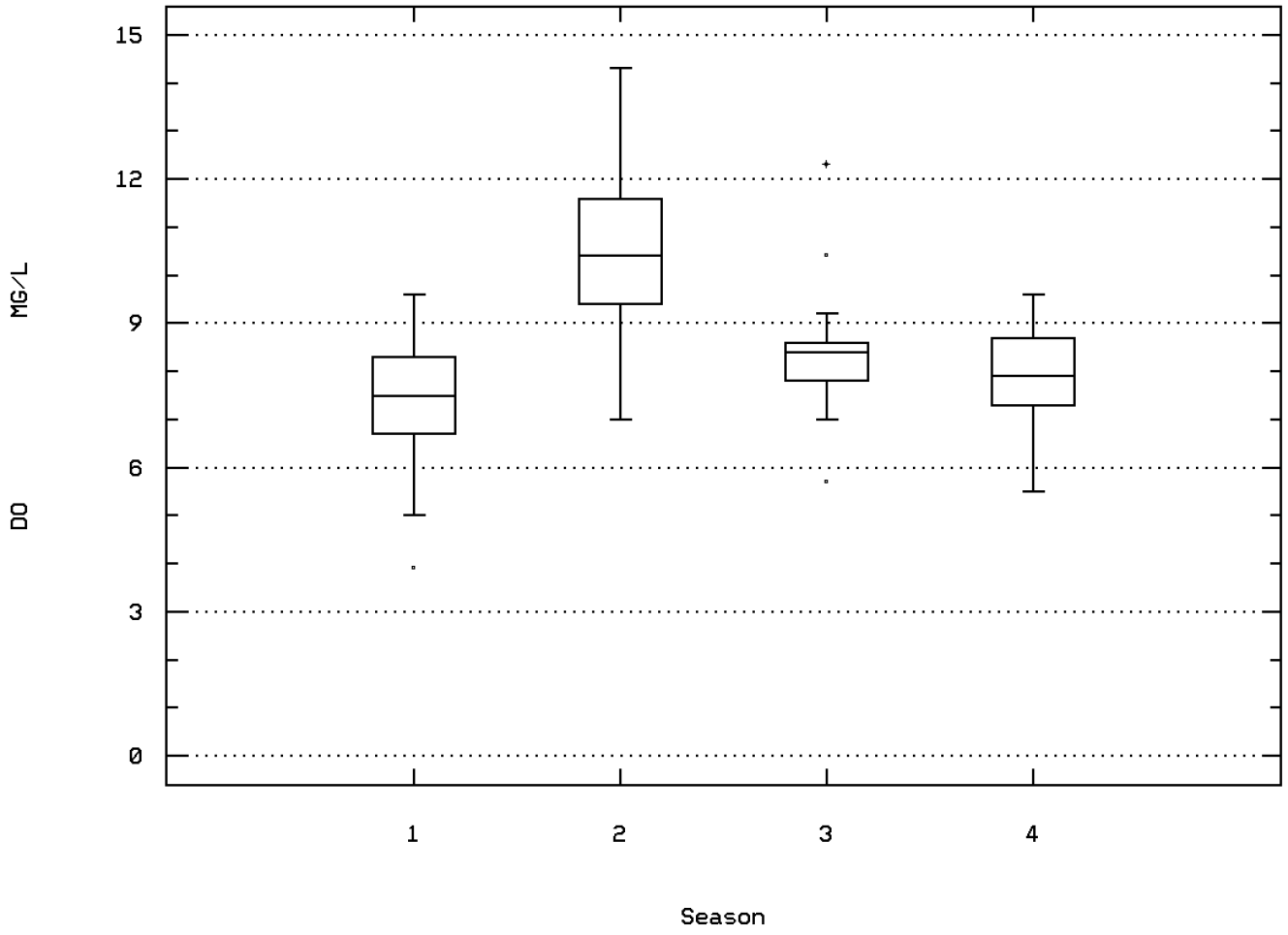
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00300

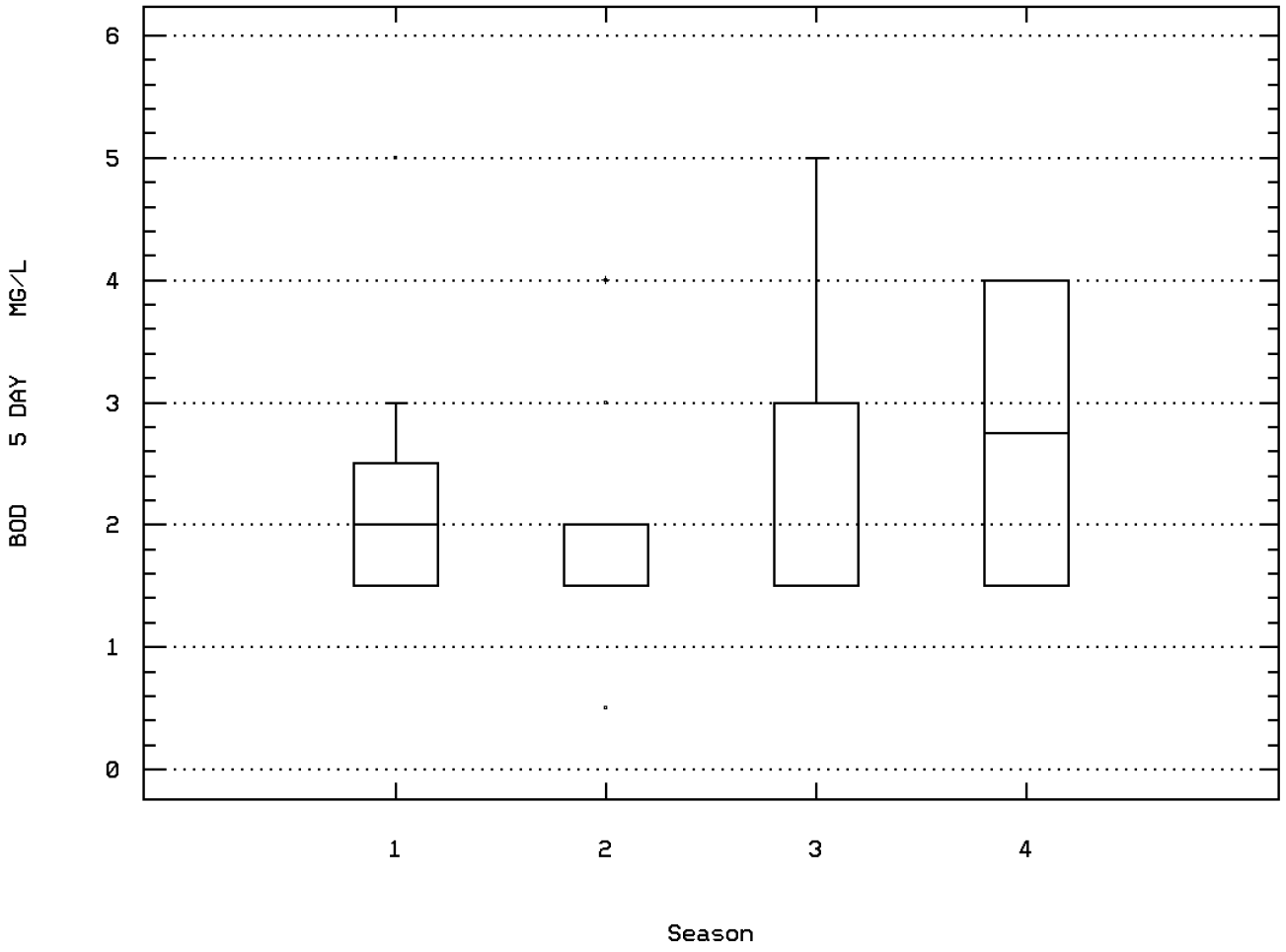
OXYGEN, DISSOLVED



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00310

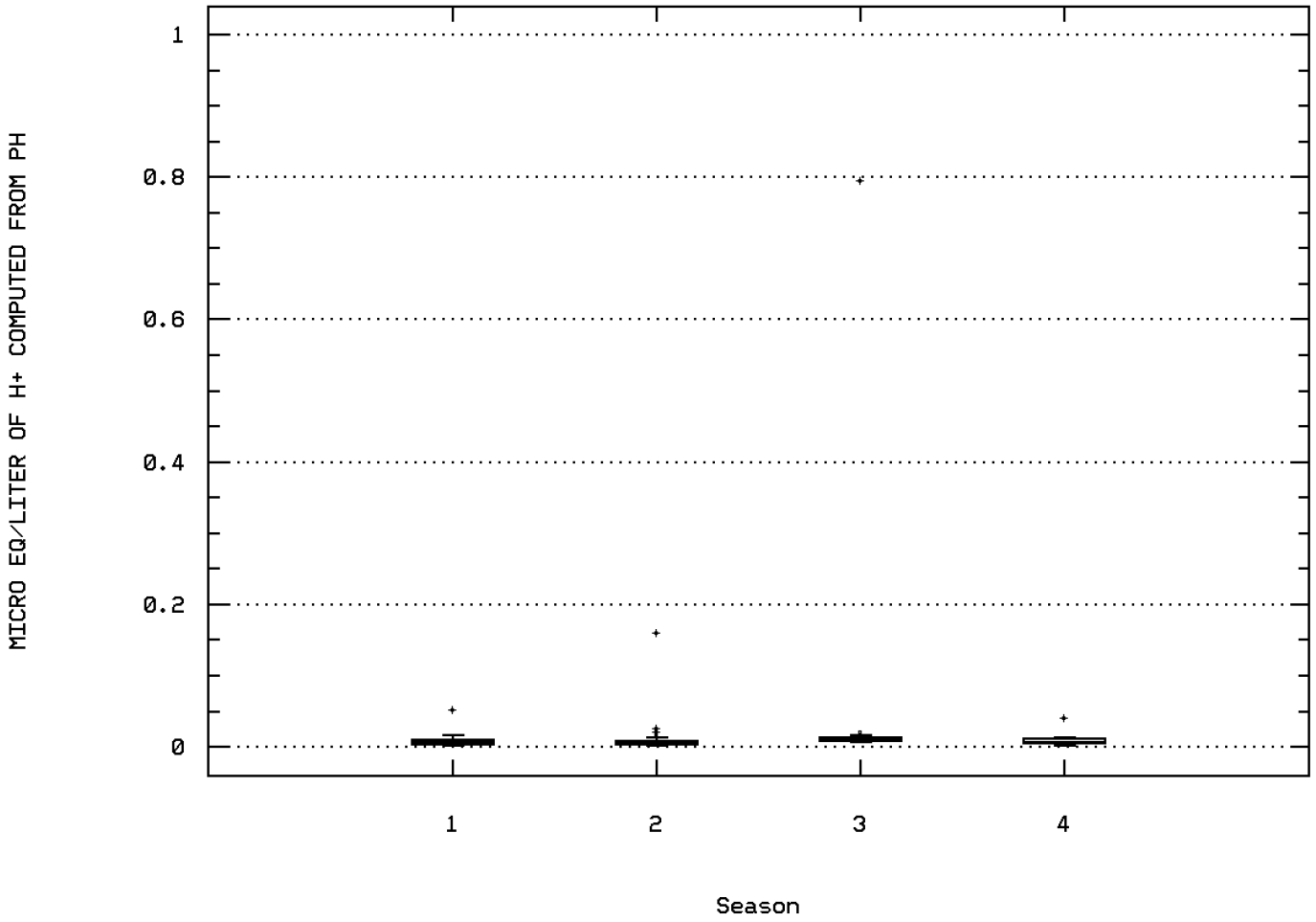
BOD, 5 DAY, 20 DEG C



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00400

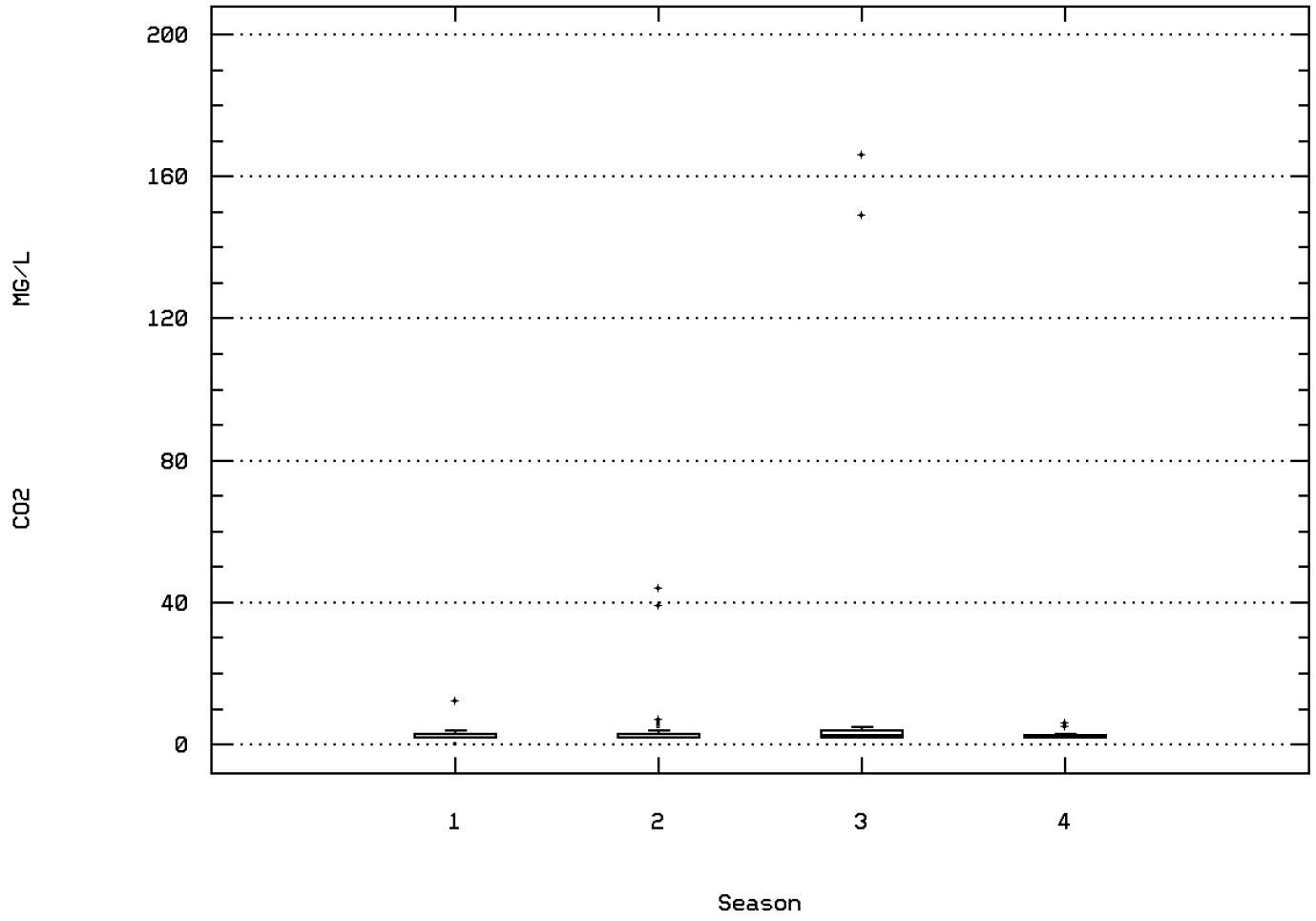
MICRO EQ/LITER OF H+ COMPUTED FROM PH



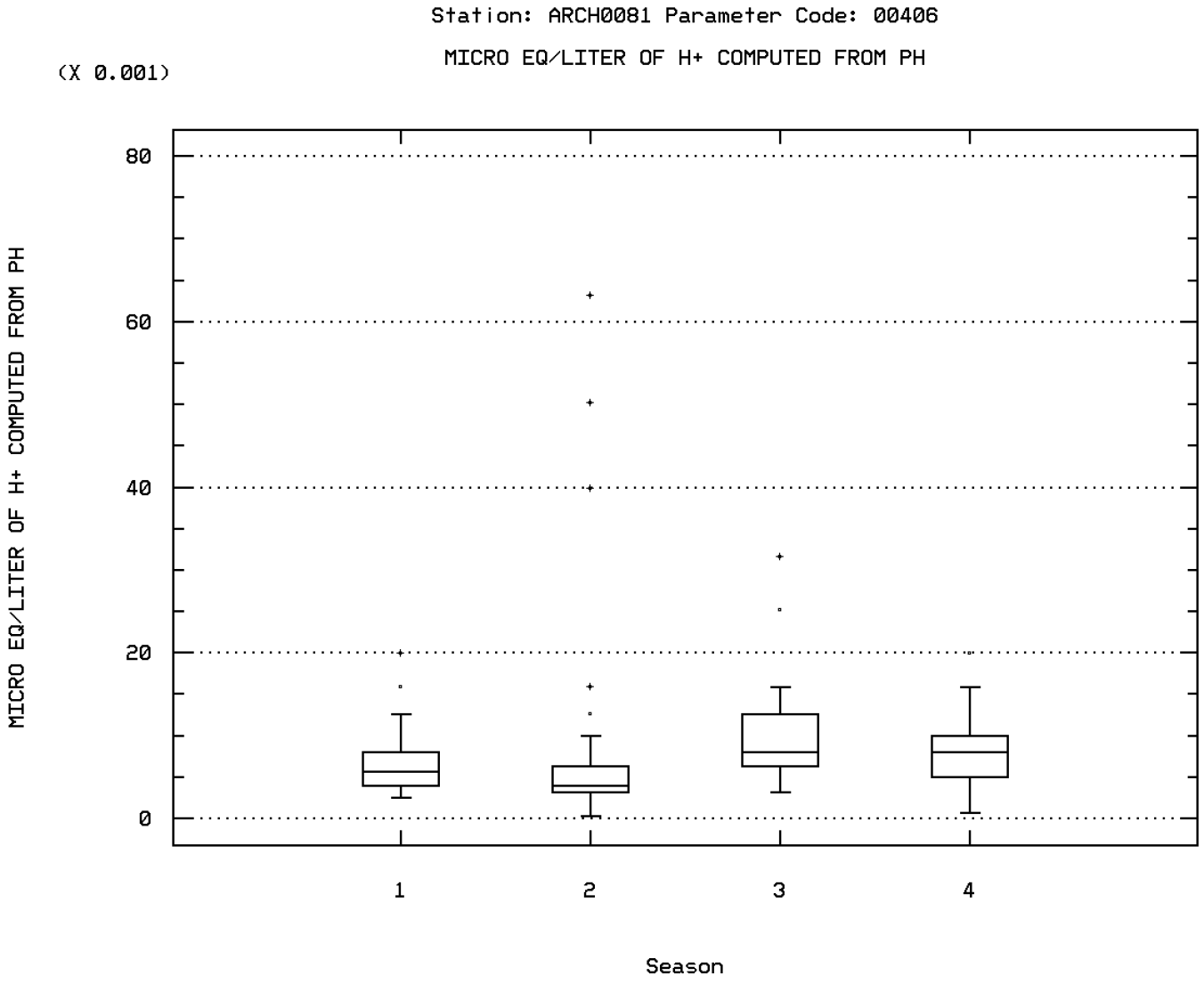
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00405

CARBON DIOXIDE (MG/L AS CO2)



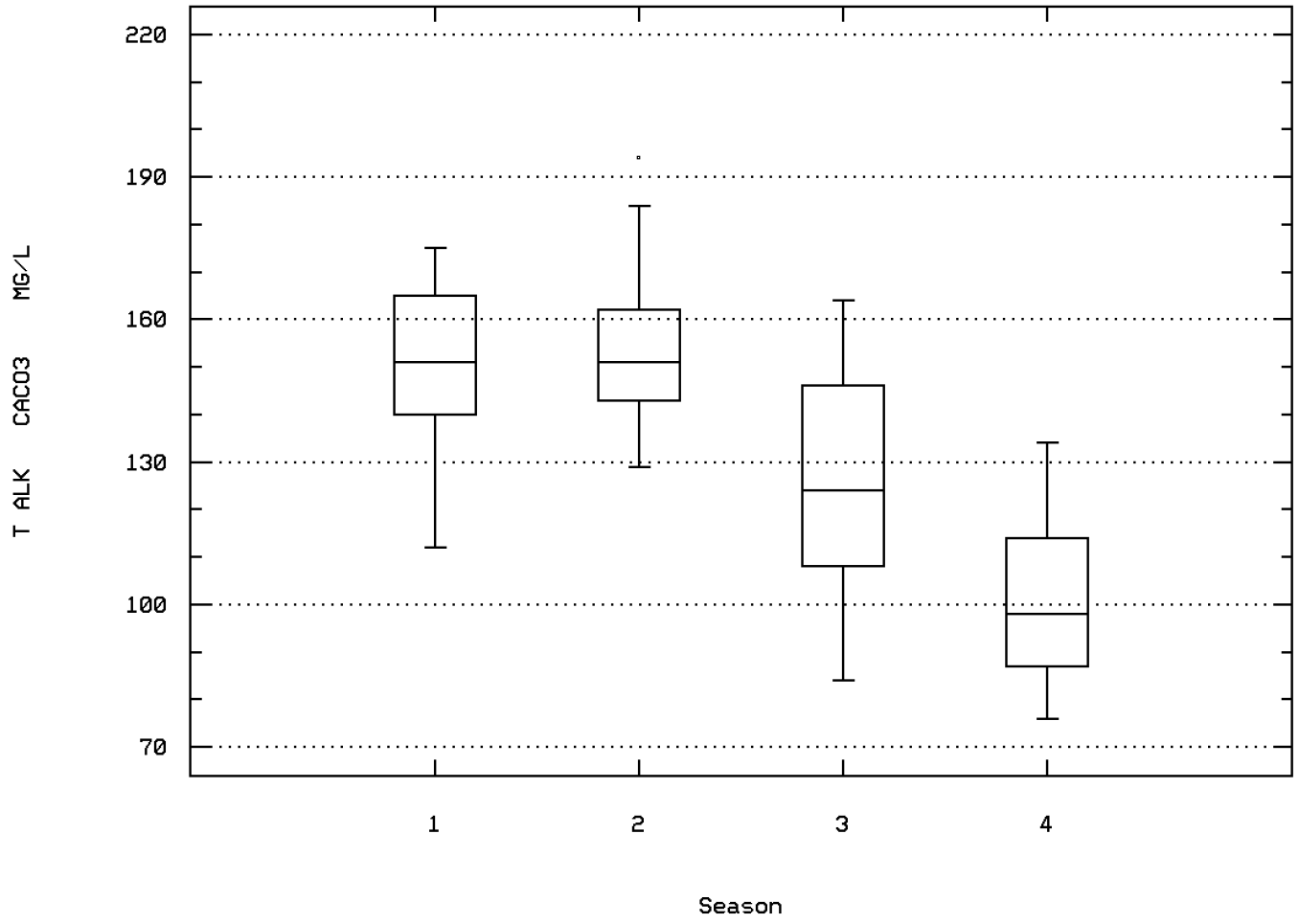
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00410

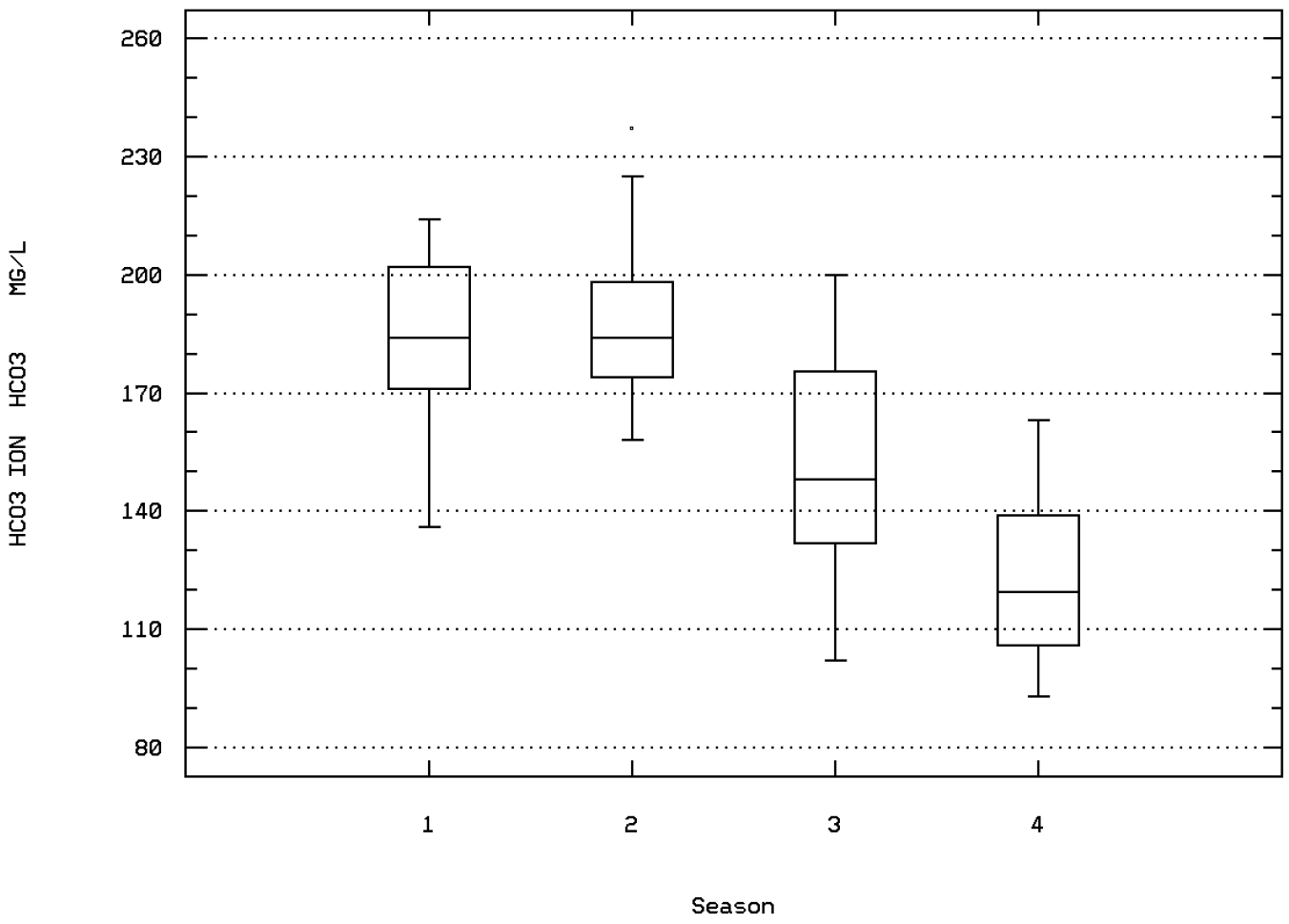
ALKALINITY, TOTAL (MG/L AS CACO3)



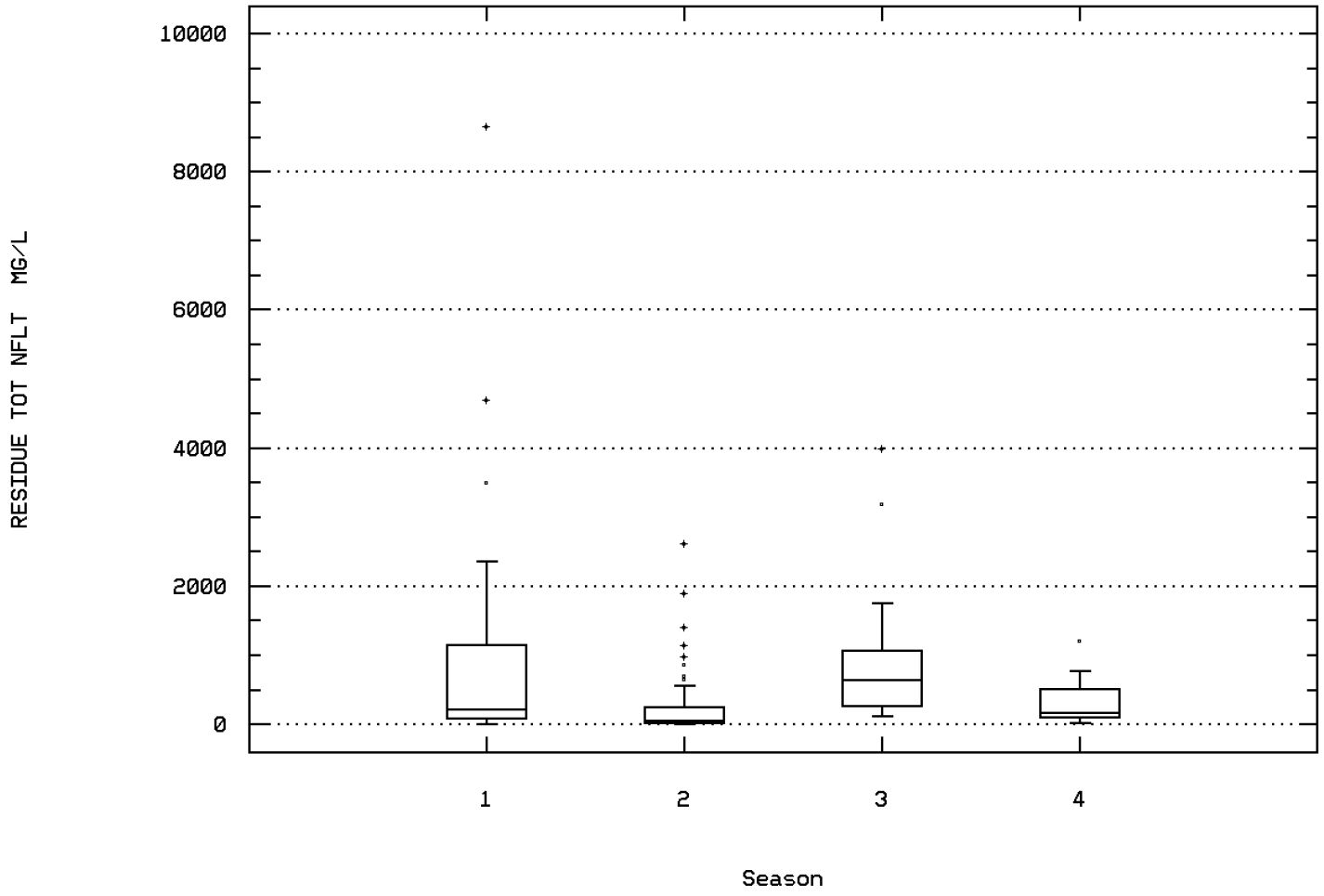
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00440

BICARBONATE ION (MG/L AS HCO3)



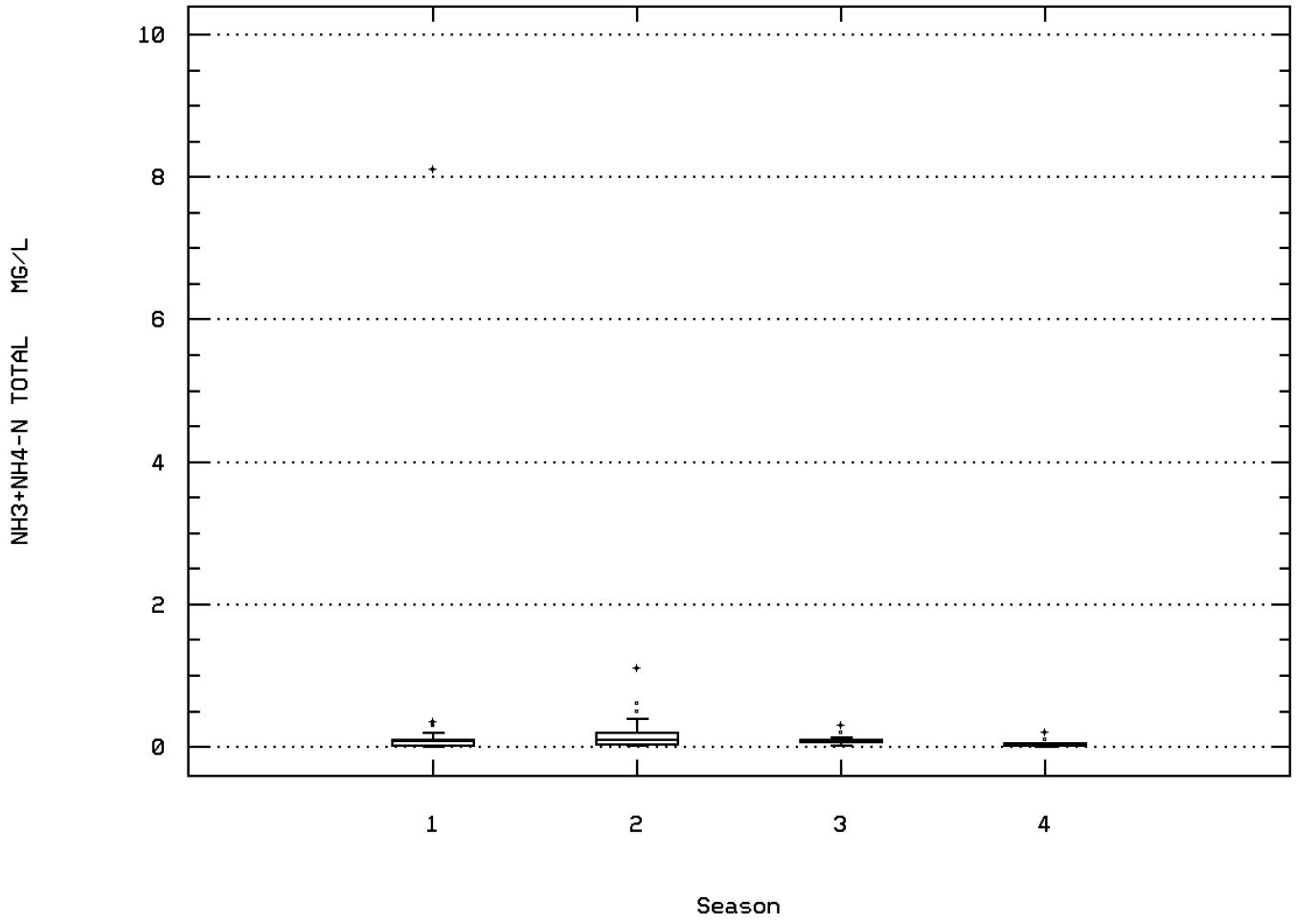
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00610

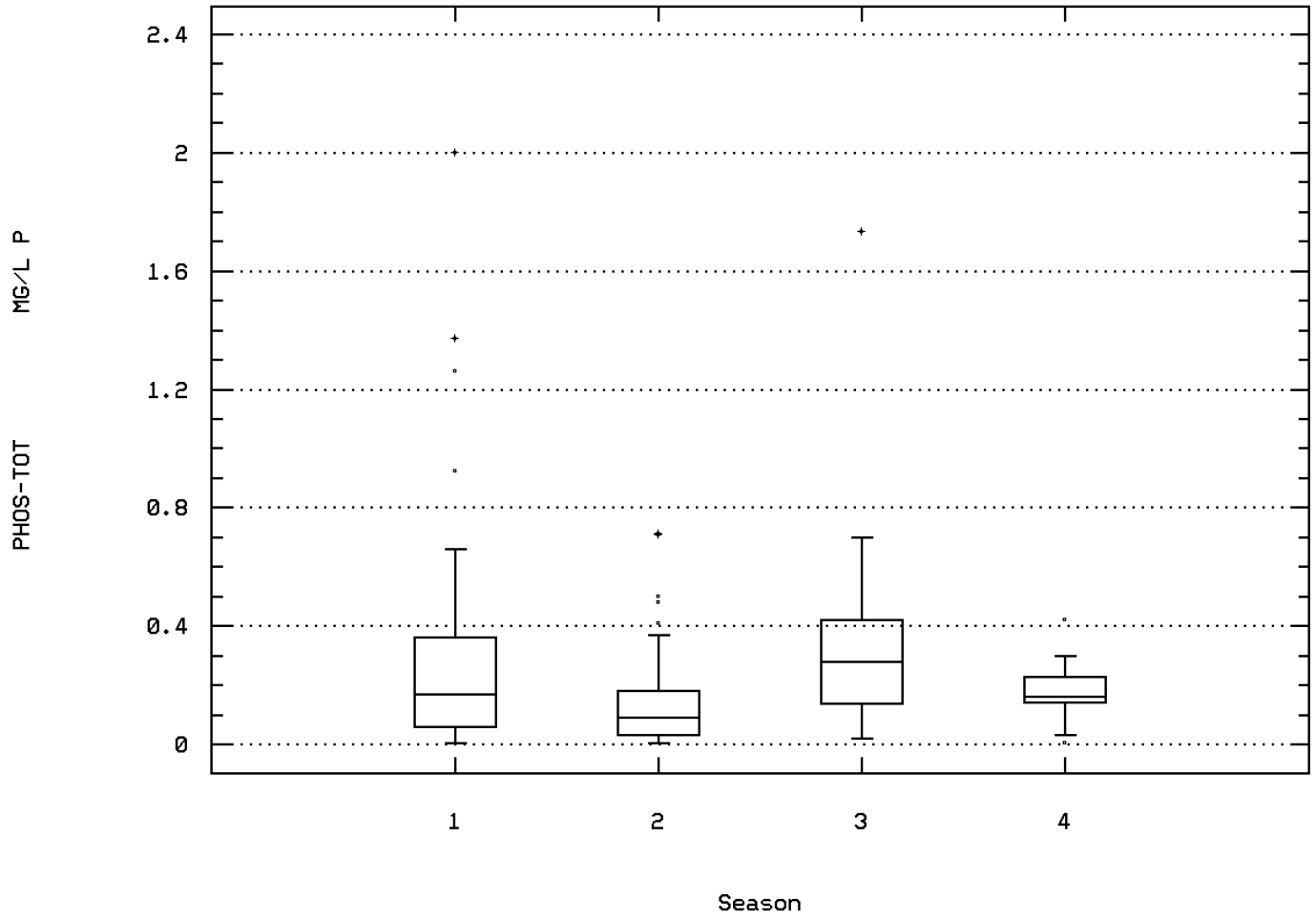
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00665

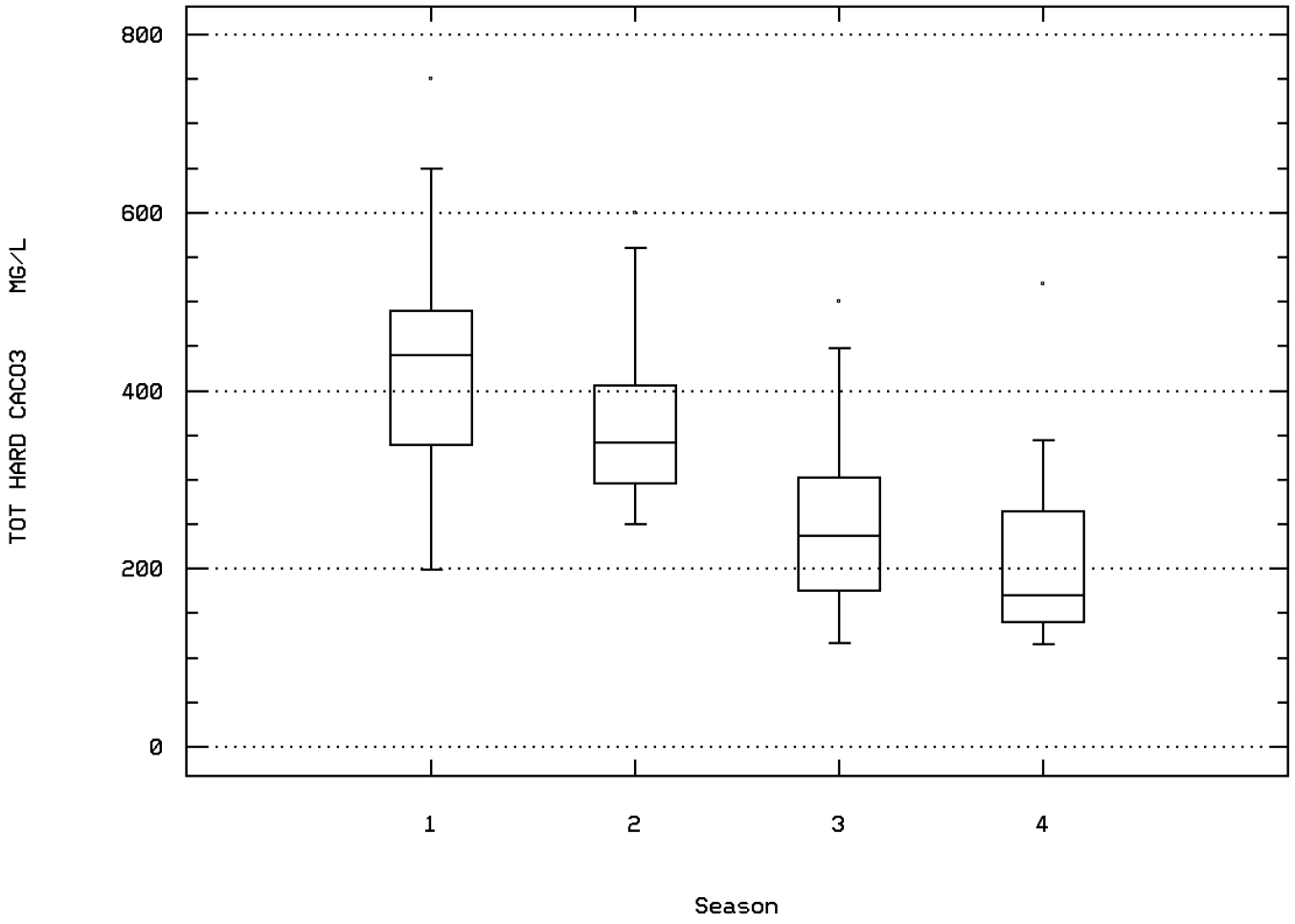
PHOSPHORUS, TOTAL (MG/L AS P)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00900

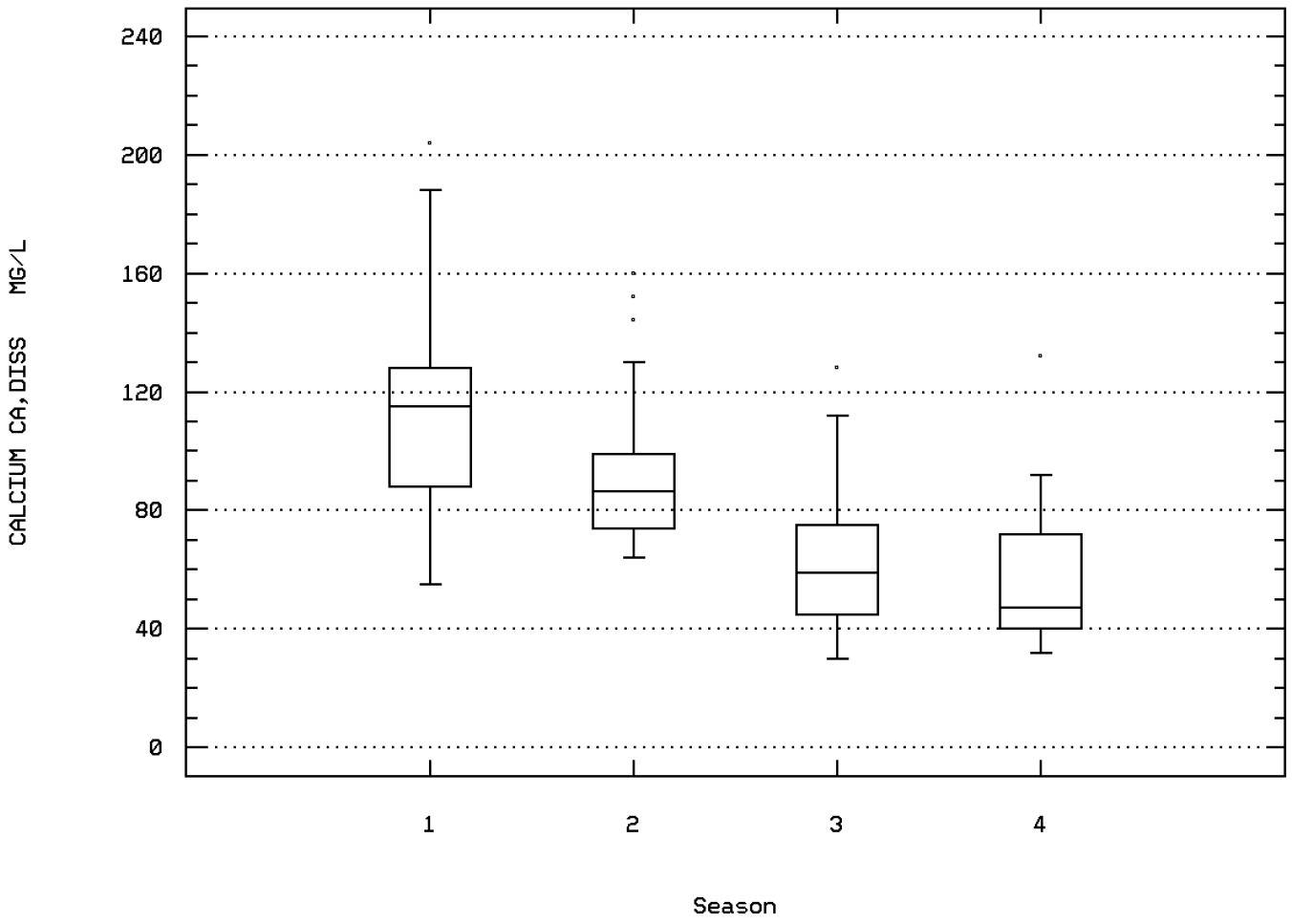
HARDNESS, TOTAL (MG/L AS CACO3)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00915

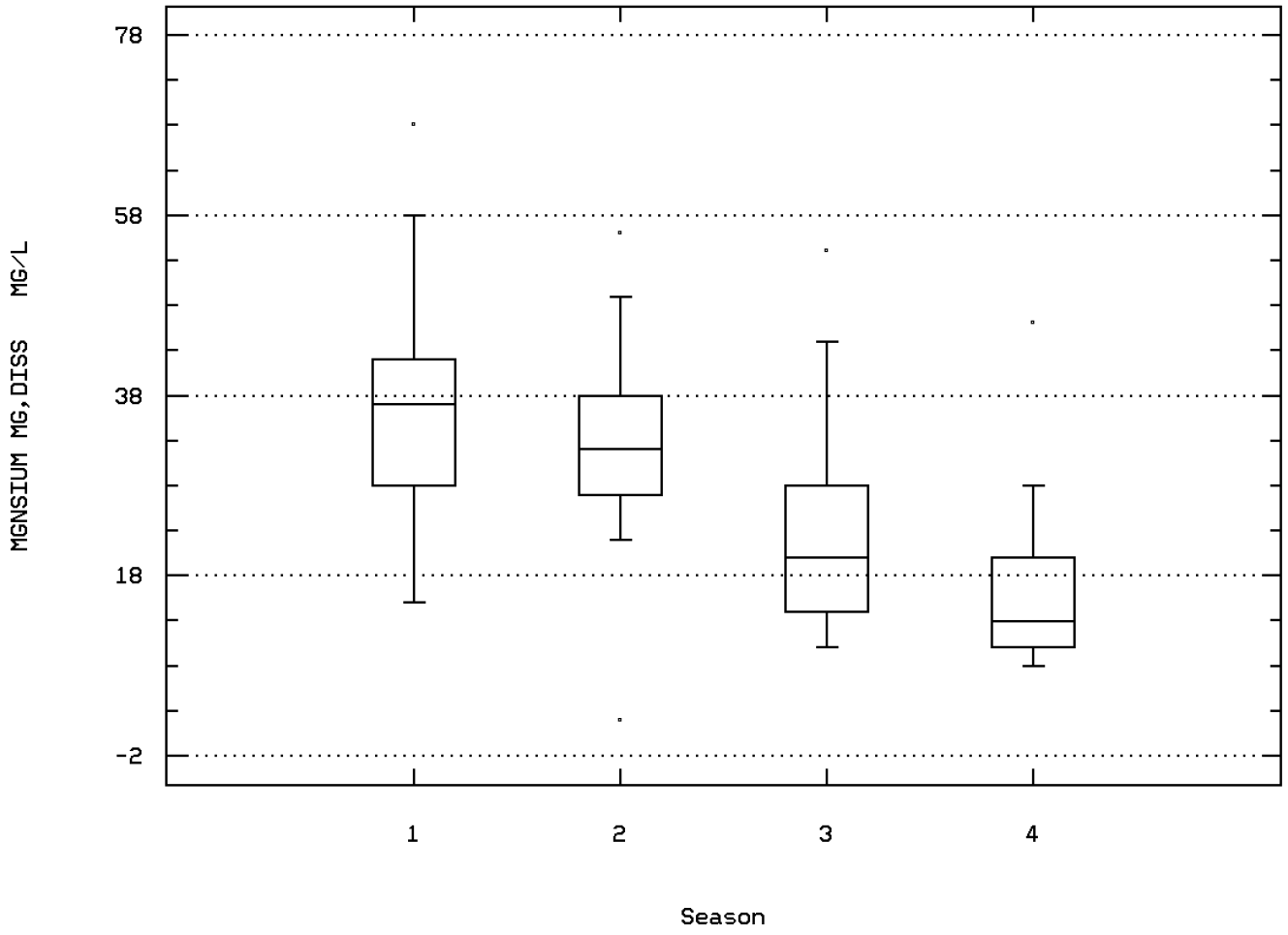
CALCIUM, DISSOLVED (MG/L AS CA)



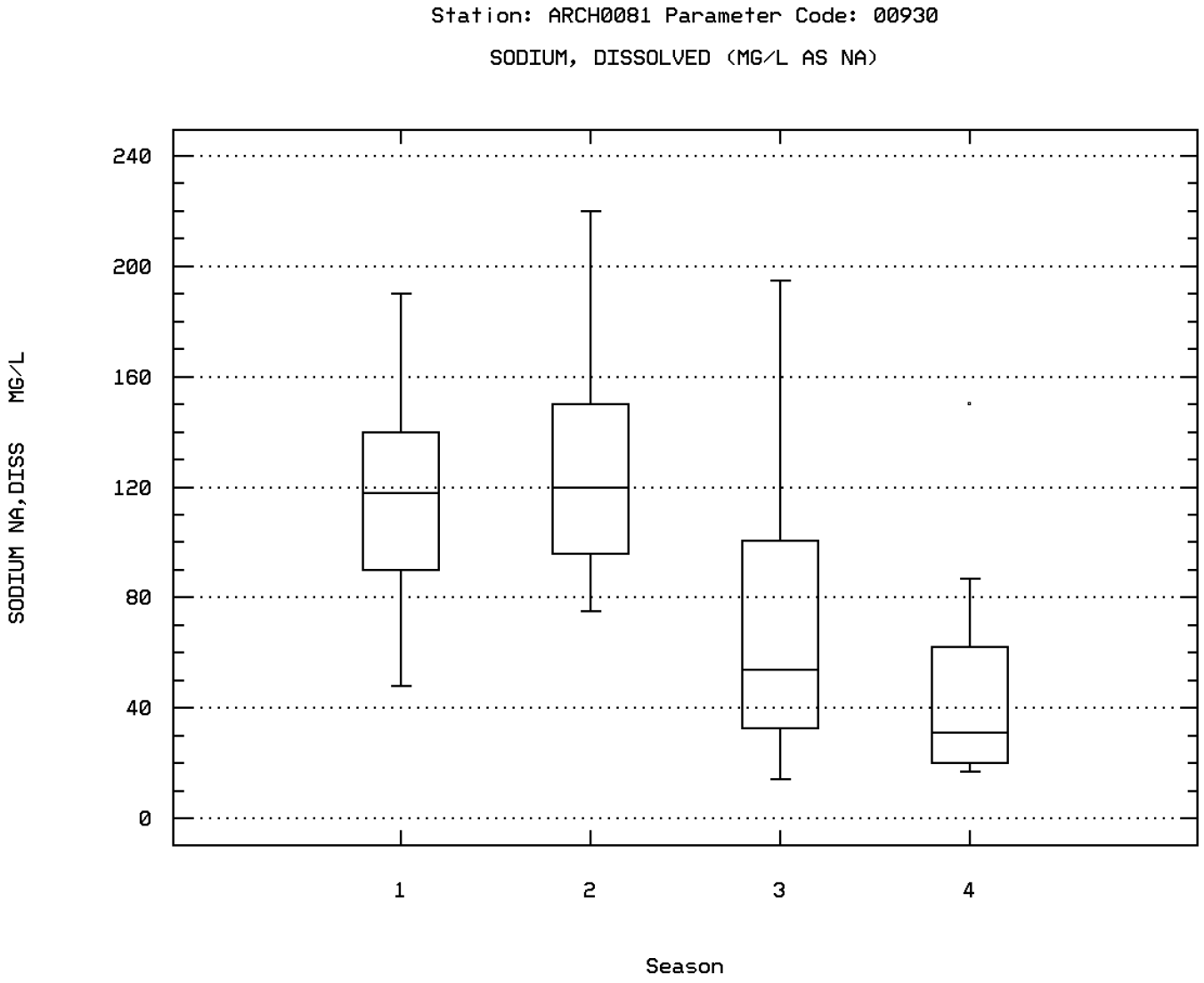
COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00925

MAGNESIUM, DISSOLVED (MG/L AS MG)



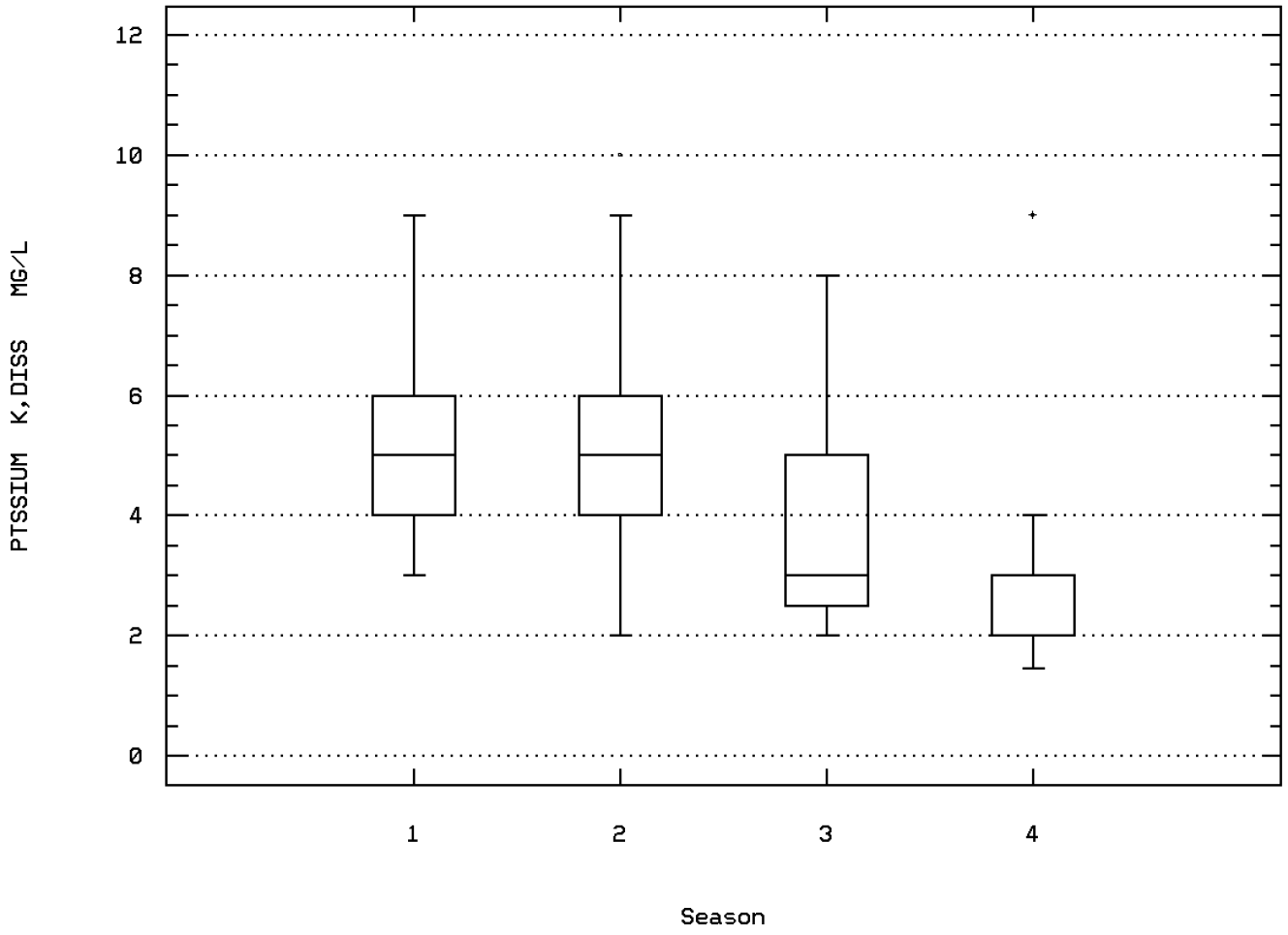
COLORADO R AT US191 XING NEAR MOAB



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00935

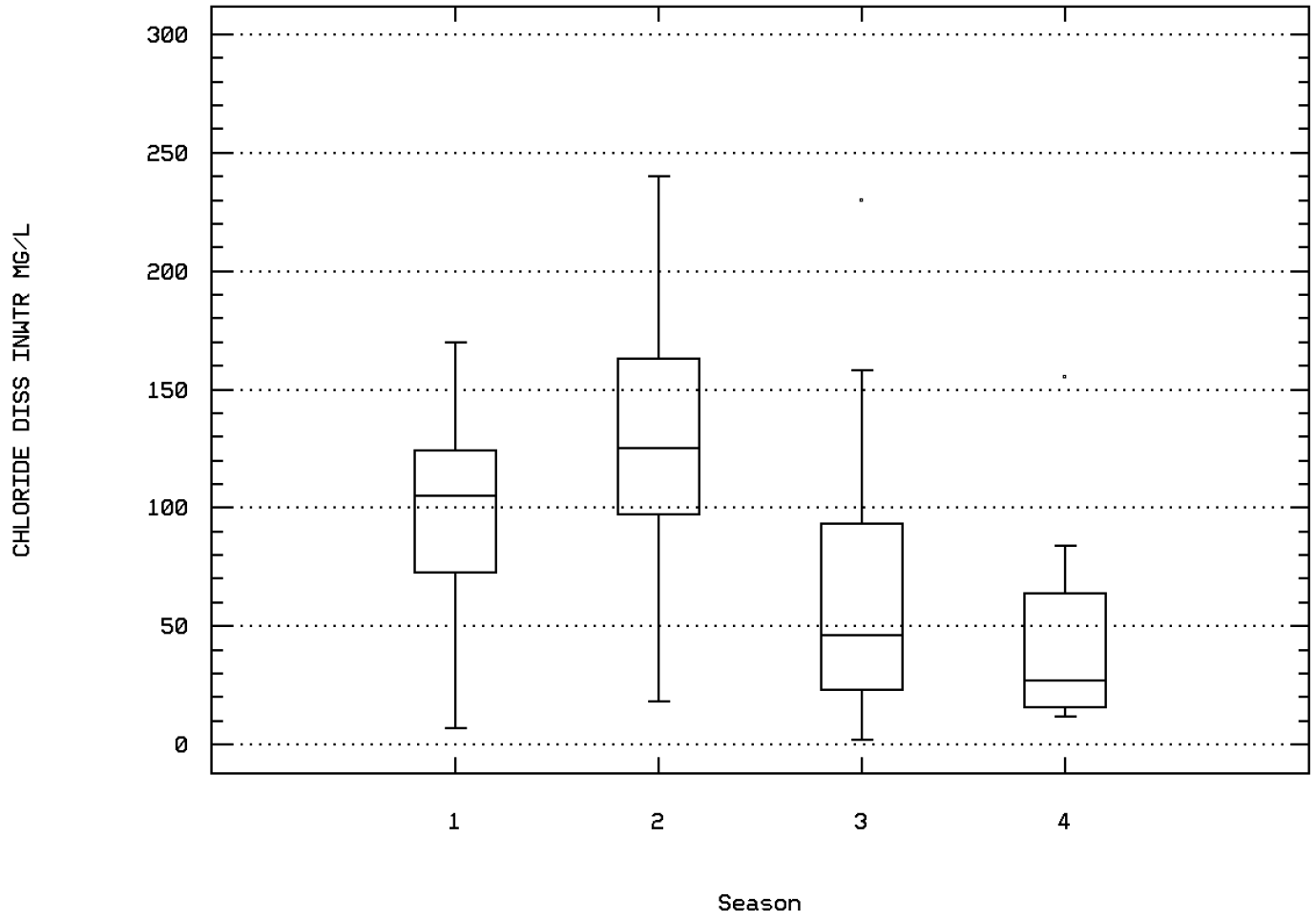
POTASSIUM, DISSOLVED (MG/L AS K)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00941

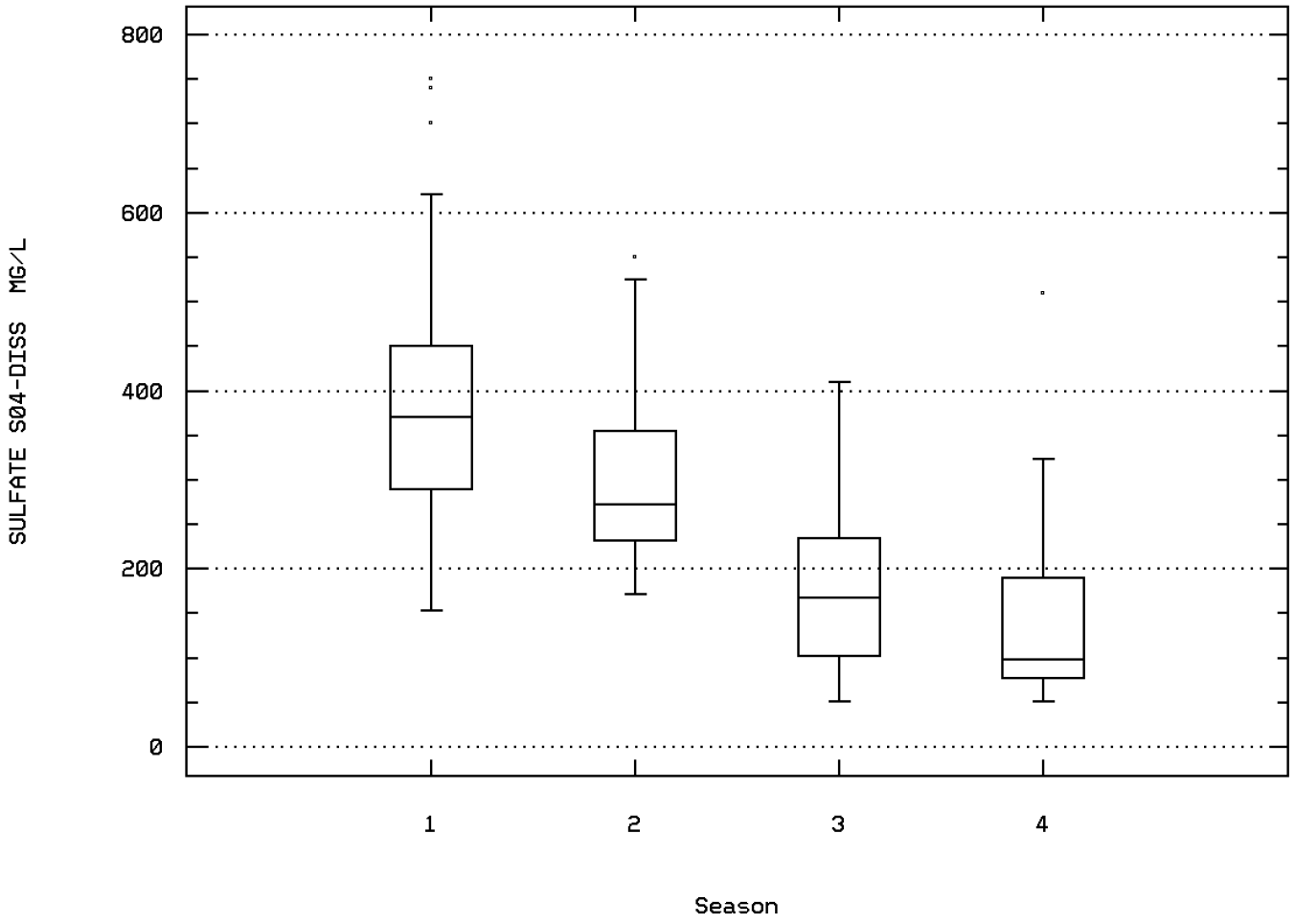
CHLORIDE, DISSOLVED IN WATER



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00946

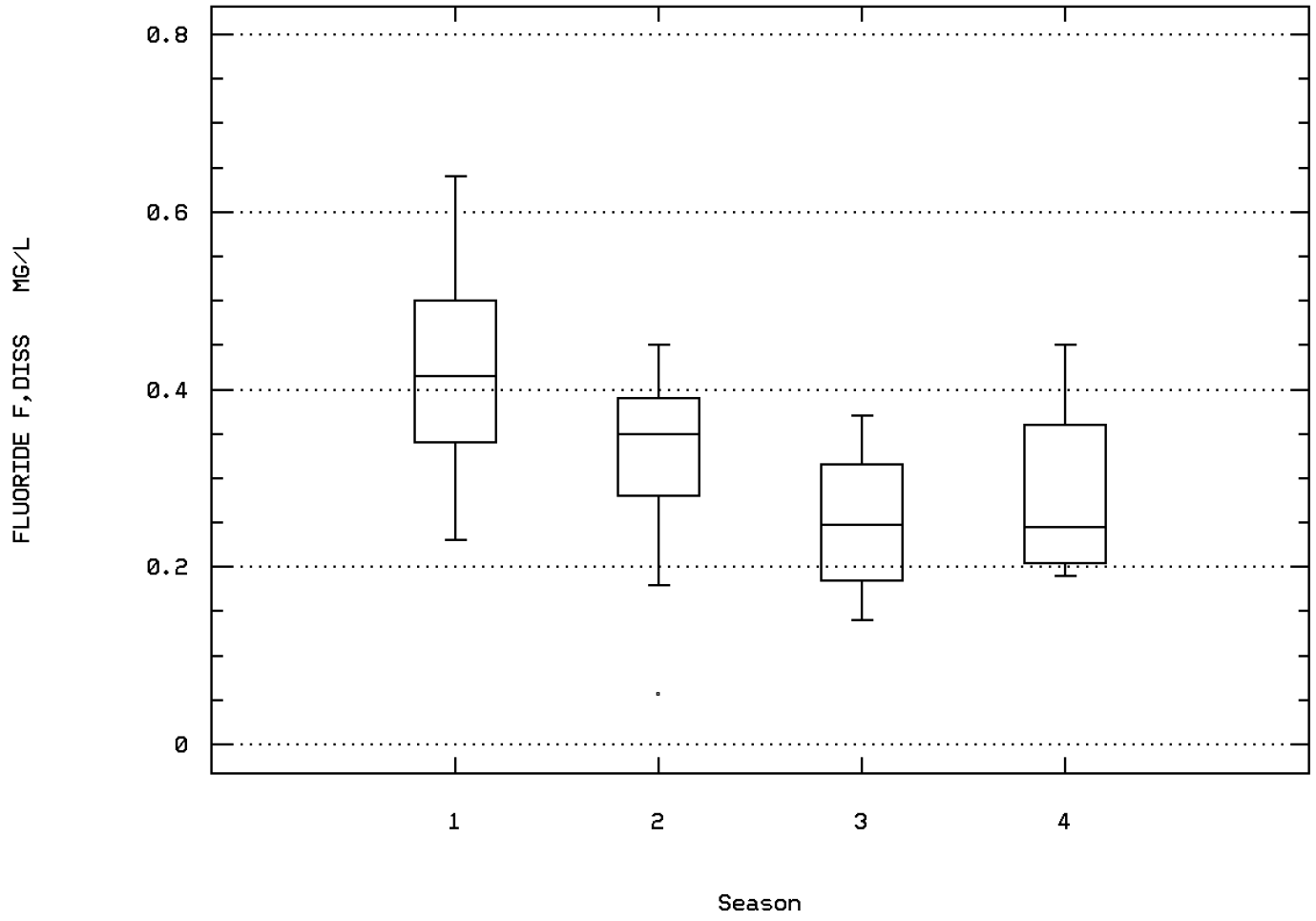
SULFATE, DISSOLVED (MG/L AS SO4)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 00950

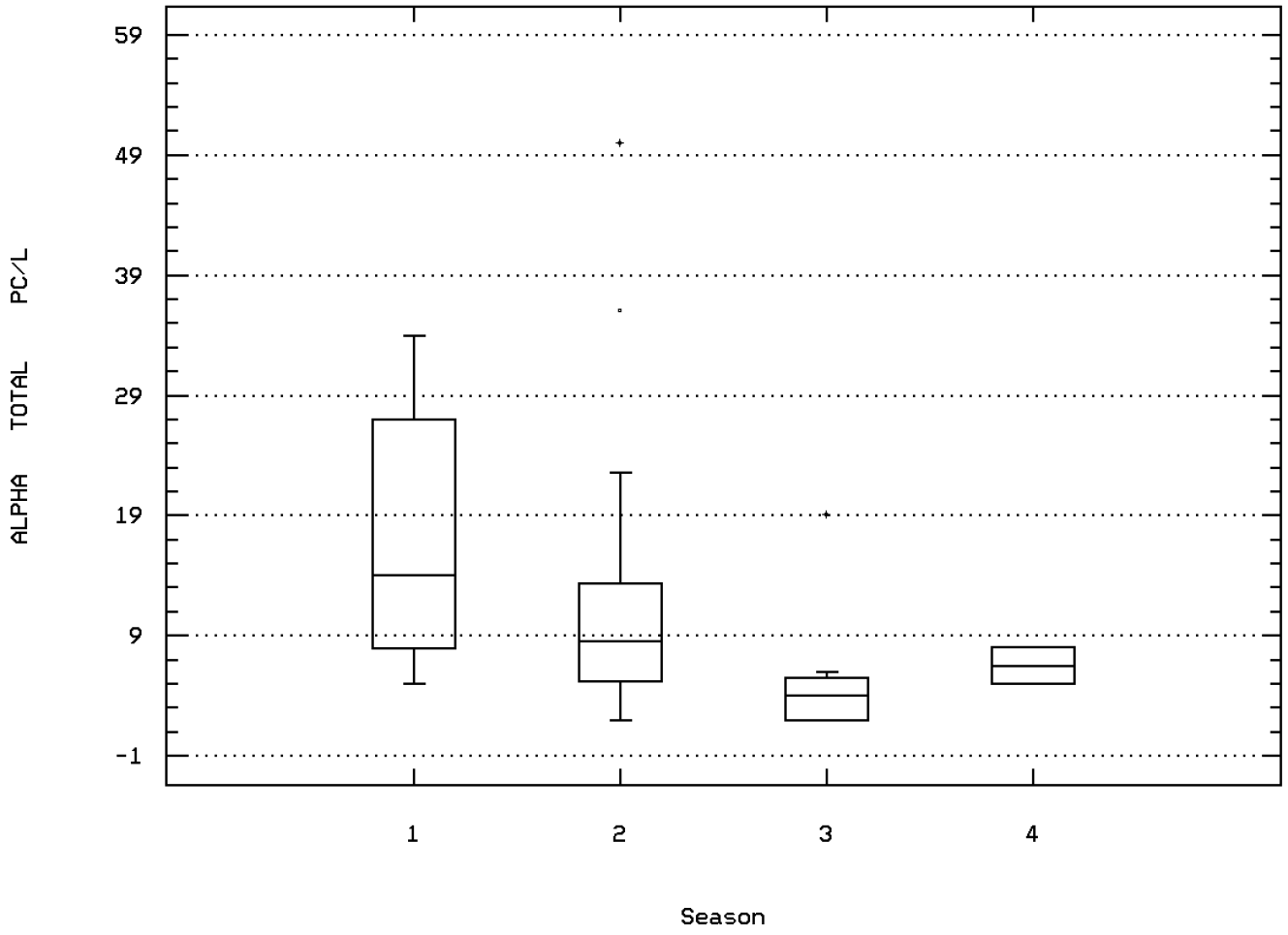
FLUORIDE, DISSOLVED (MG/L AS F)



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 01501

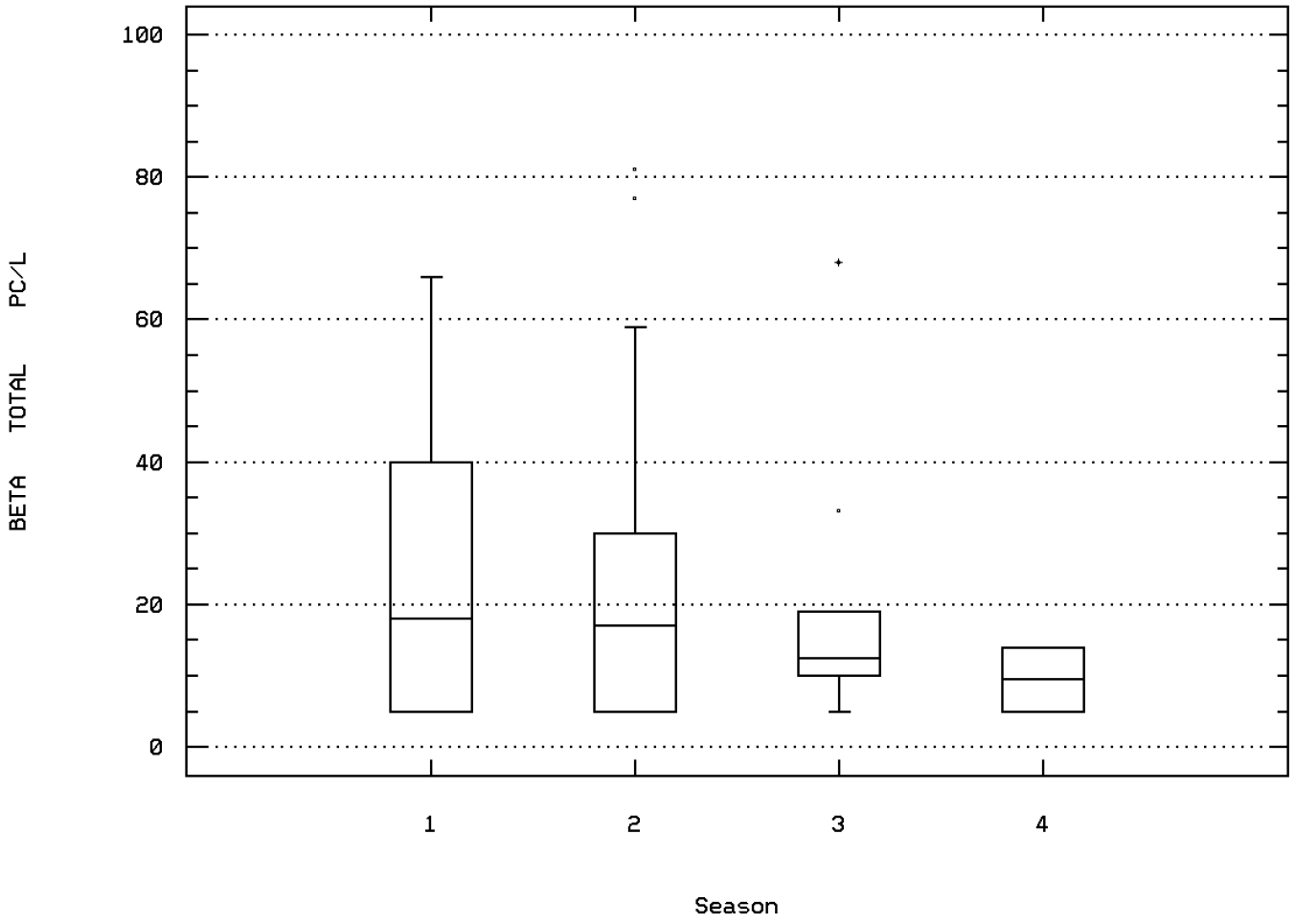
ALPHA, TOTAL



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 03501

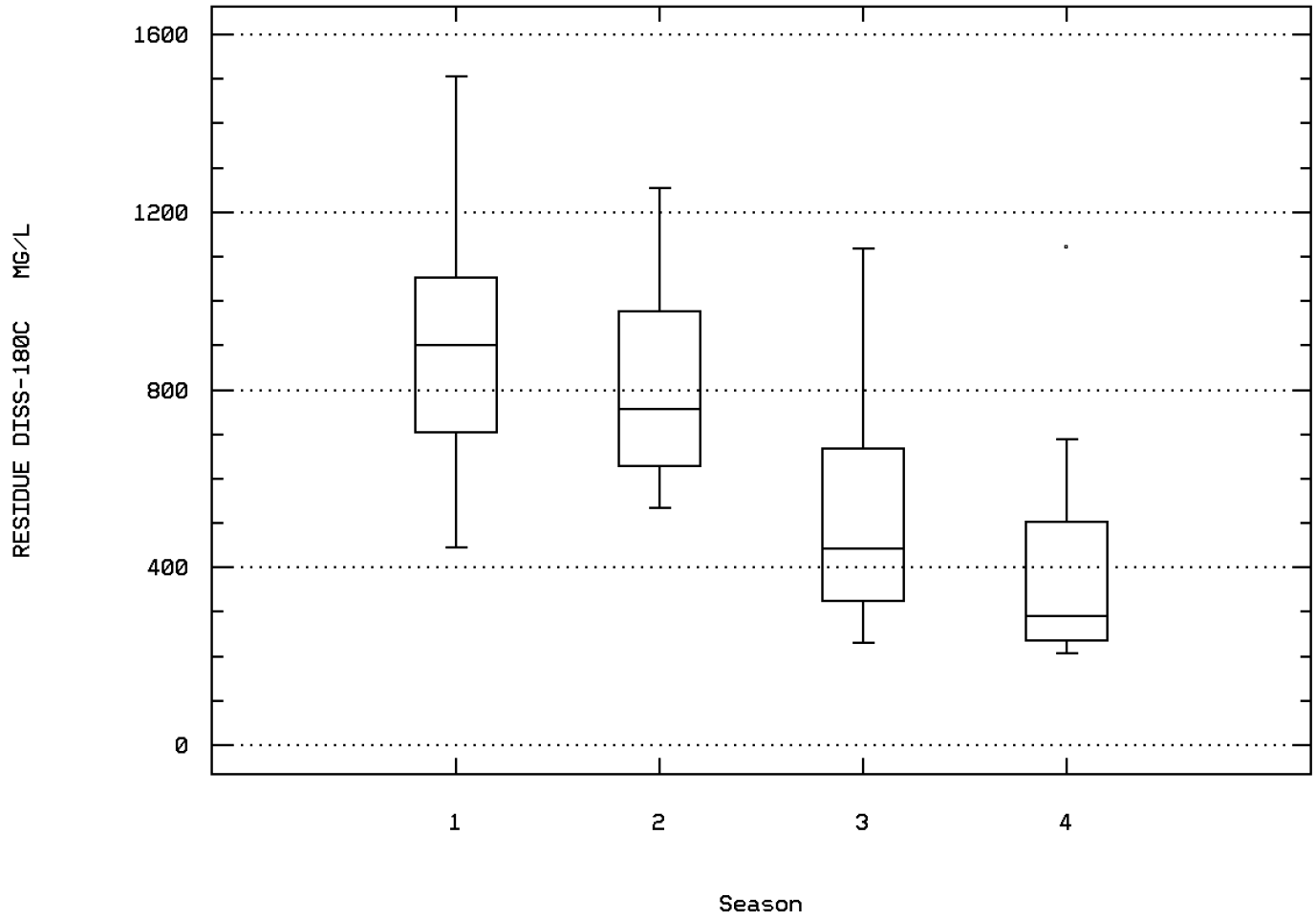
BETA, TOTAL



COLORADO R AT US191 XING NEAR MOAB

Station: ARCH0081 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



COLORADO R AT US191 XING NEAR MOAB

Station Inventory for Station: ARCH0082

NPS Station ID: ARCH0082 LAT/LON: 38.603892/-109.577227 Agency: 112WRD Date Created: / /
Location: COLORADO RIVER AT HIGHWAY BRIDGE NR MOAB, UT FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 09182880
RMI-Indexes: 1101000 Within Park Boundary: No
RMI-Miles: 0995.10
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005019 RF1 Mile Point: 3.420 Distance from RF1: 0.60 On/Off RF1: ON
RF3 Index: 14030005001600.00 RF3 Mile Point: 1.66 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-10/10/79	132	12.75	12.587	29.	0.	67.838	8.236	0.	5.125	19.25	23.85
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-10/10/79	127	19.	17.252	37.5	-10.5	114.043	10.679	5.8	-3.	27.	31.2
00060	FLOW, STREAM, MEAN DAILY CFS	02/26/74-09/25/74	15	6000.	7562.	22000.	1700.	35063088.571	5921.409	1880.	3030.	10500.	18820.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-10/10/79	129	4000.	6103.411	34230.	1250.	35537228.9	5961.311	2000.	2945.	6350.	14500.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	54	38.	111.056	600.	5.	21827.374	147.741	8.5	15.	147.5	410.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/26/78-09/20/79	9	41.	113.733	310.	3.4	15073.52	122.774	3.4	12.1	245.	310.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-10/10/79	132	1300.	1256.598	2200.	365.	190247.891	436.174	560.	1007.5	1587.5	1800.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/20/79	111	10.	10.522	22.5	7.	6.129	2.476	7.84	8.6	12.	13.92
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	64	22.5	25.688	82.	0.	349.456	18.694	7.5	13.	33.75	53.
00400	PH (STANDARD UNITS)	02/26/74-10/10/79	127	8.1	8.046	8.9	7.2	0.128	0.358	7.548	7.81	8.3	8.4
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-10/10/79	127	8.1	7.886	8.9	7.2	0.154	0.393	7.548	7.81	8.3	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-10/10/79	127	0.008	0.013	0.063	0.001	0.	0.013	0.004	0.005	0.015	0.028
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/20/79	60	1.6	2.477	15.	0.8	5.734	2.395	1.	1.225	2.95	5.31
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	61	160.	155.295	220.	87.	854.111	29.225	111.2	139.5	174.5	183.8
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/20/79	61	190.	185.328	250.	106.	1117.291	33.426	133.2	170.	209.5	220.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/20/79	51	0.	2.451	15.	0.	10.853	3.294	0.	0.	5.	7.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/26/78-09/20/79	10	180.	316.6	1020.	2.	116985.156	342.031	4.4	40.25	586.5	977.4
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/20/79	64	1.5	1.637	3.5	0.47	0.393	0.627	0.955	1.2	1.9	2.5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/20/79	63	0.52	0.68	2.1	0.	0.244	0.494	0.204	0.34	0.97	1.46
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/20/79	63	0.09	0.145	1.3	0.005	0.04	0.2	0.01	0.02	0.17	0.362
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/26/74-02/26/74	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/26/74-02/26/74	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/20/79	64	0.68	0.818	2.2	0.09	0.227	0.476	0.36	0.47	0.998	1.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/20/79	64	0.795	0.818	1.8	0.05	0.124	0.352	0.425	0.603	0.992	1.3
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	05/03/79-05/23/79	2	1.495	1.495	2.1	0.89	0.732	0.856	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/20/79	64	0.085	0.187	0.86	0.005	0.048	0.219	0.02	0.05	0.28	0.605
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	62	5.25	7.135	37.	2.	32.808	5.728	2.8	3.975	8.025	13.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	64	390.	400.	810.	140.	23444.444	153.116	180.	292.5	517.5	610.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-09/20/79	62	235.	247.984	640.	0.	18722.672	136.831	65.9	150.	342.5	427.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/20/79	64	97.5	101.641	200.	37.	1428.615	37.797	50.	76.25	130.	155.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/20/79	64	34.5	35.484	75.	11.	210.063	14.494	14.	25.	46.	54.5
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/20/79	64	130.	119.892	250.	0.1	2879.274	53.659	30.5	87.75	150.	185.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/20/79	64	2.65	2.548	5.1	0.	0.862	0.928	1.05	2.3	3.1	3.6
00932	SODIUM, PERCENT	02/26/74-09/20/79	64	38.	37.859	53.	0.	68.567	8.281	28.	35.	44.	47.5
00933	SODIUM,PLUS POTASSIUM (MG/L)	05/03/79-09/20/79	4	106.	96.75	140.	35.	2082.25	45.632	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/20/79	64	5.4	5.059	8.9	1.3	2.94	1.715	2.25	4.175	6.2	6.9
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/20/79	64	135.	125.531	300.	13.	3531.174	59.424	29.5	97.5	160.	195.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/20/79	64	325.	339.625	810.	69.	27939.952	167.152	115.	232.5	470.	550.

** - Less than 9 observations ## - 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: ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/26/74-09/20/79	11	0.3	0.318	0.5	0.2	0.008	0.087	0.2	0.3	0.4	0.48
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	64	9.6	9.556	13.	3.4	4.656	2.158	6.6	8.7	11.	12.
01020	BORON, DISSOLVED (UG/L AS B)	02/22/78-09/26/78	7	100.	92.857	130.	50.	923.81	30.394	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	02/26/74-03/26/74	2 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/26/74-03/26/74	2	2770.	2770.	4600.	940.	6697800.	2588.011	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/26/74-03/26/74	2 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/26/74-03/26/74	2	95.	95.	140.	50.	4050.	63.64	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/26/74-03/26/74	2	175.	175.	200.	150.	1250.	35.355	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	02/26/74-03/26/74	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
09511	RADIUM 226, DISSOLVED, RADON METHOD	02/26/74-04/29/77	9	0.14	0.167	0.35	0.12	0.005	0.071	0.12	0.13	0.17	0.35
22703	URANIUM, NATURAL, DISSOLVED	02/26/74-04/29/77	9	4.5	4.4	12.	1.8	9.835	3.136	1.8	2.15	4.85	12.
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	53	83.	240.113	1370.	6.	101890.064	319.202	12.4	31.	303.	825.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-10/10/79	129	865.	862.977	1920.	227.	116116.742	340.759	352.	682.5	1105.	1290.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	61	855.	833.623	1570.	224.	107699.005	328.175	315.4	592.5	1055.	1240.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-10/10/79	128	9475.	10049.297	23300.	5430.	11617436.51	3408.436	6200.	7687.5	11450.	14770.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-10/10/79	127	1.18	1.171	2.61	0.31	0.217	0.466	0.478	0.92	1.51	1.754
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/03/79-09/20/79	5	0.04	0.048	0.1	0.02	0.001	0.033	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/03/79-09/20/79	5	0.89	0.83	2.1	0.03	0.685	0.828	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/20/79	64	6.6	7.252	16.	2.1	8.069	2.841	4.2	5.4	8.5	11.5
71900	MERCURY, TOTAL (UG/L AS HG)	02/26/74-03/26/74	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0082

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	54	25	0.46	13	9	0.69	26	5	0.19	10	9	0.90	5	2	0.40
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	4	0.44	3	1	0.33	4	1	0.25	2	2	1.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	111	0	0.00	27	0	0.00	45	0	0.00	24	0	0.00	15	0	0.00
00400	PH	Fresh Chronic	9.	127	0	0.00	31	0	0.00	56	0	0.00	23	0	0.00	17	0	0.00
		Other-Lo Lim.	6.5	127	0	0.00	31	0	0.00	56	0	0.00	23	0	0.00	17	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	64	0	0.00	16	0	0.00	30	0	0.00	13	0	0.00	5	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	64	0	0.00	16	0	0.00	30	0	0.00	13	0	0.00	5	0	0.00
		Drinking Water	250.	64	1	0.02	16	0	0.00	30	1	0.03	13	0	0.00	5	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	64	46	0.72	16	14	0.88	30	27	0.90	13	3	0.23	5	2	0.40
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	11	0	0.00	3	0	0.00	5	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00				2	0	0.00						
		Drinking Water	1300.	2	0	0.00				2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	0 &	0	0.00												
		Drinking Water	15.	0 &	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	2	2	1.00				2	2	1.00						
		Drinking Water	5000.	2	0	0.00				2	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00				2	0	0.00						
		Drinking Water	50.	2	0	0.00				2	0	0.00						
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	9	0	0.00				3	0	0.00	4	0	0.00	2	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00				2	0	0.00						
		Drinking Water	2.	2	0	0.00				2	0	0.00						

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

Annual Analysis for 1974 - Station ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-10/10/79	21	14.5	14.31	25.5	0.	62.487	7.905	1.6	8.5	22.	24.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-10/10/79	17	26.	21.618	37.5	3.	96.079	9.802	4.6	14.	27.75	33.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-10/10/79	18	4900.	7147.778	22000.	3030.	28547171.242	5342.955	3183.	3825.	7650.	17230.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	10	35.	60.6	200.	6.	3523.6	59.36	6.4	17.5	92.5	190.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-10/10/79	21	1200.	1209.524	1700.	420.	164594.762	405.703	506.	965.	1610.	1700.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/20/79	15	10.4	10.88	14.2	9.2	2.267	1.506	9.32	10.	12.6	13.48
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	10	15.	16.1	26.	7.	43.656	6.607	7.2	9.75	22.75	25.9
00400	PH (STANDARD UNITS)	02/26/74-10/10/79	16	7.6	7.801	8.4	7.2	0.217	0.466	7.2	7.4	8.28	8.4
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-10/10/79	16	7.6	7.602	8.4	7.2	0.259	0.509	7.2	7.4	8.28	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-10/10/79	16	0.025	0.025	0.063	0.004	0.	0.021	0.004	0.005	0.04	0.063
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/20/79	10	2.	4.69	15.	1.2	22.039	4.695	1.21	1.3	7.6	14.5
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	10	138.	136.	171.	87.	844.	29.052	87.3	120.	160.75	170.8
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/20/79	10	168.	165.8	209.	106.	1241.067	35.229	106.4	146.75	195.75	208.5
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/20/79	3	0.	0.333	1.	0.	0.333	0.577	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/20/79	10	1.4	1.32	1.9	0.47	0.197	0.443	0.496	1.083	1.7	1.88
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/20/79	9	0.42	0.424	0.97	0.13	0.061	0.247	0.13	0.235	0.515	0.97
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/20/79	9	0.16	0.179	0.43	0.03	0.017	0.131	0.03	0.09	0.26	0.43
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/20/79	10	0.575	0.589	1.	0.34	0.036	0.189	0.348	0.45	0.7	0.973
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/20/79	10	0.85	0.736	1.3	0.05	0.175	0.418	0.05	0.425	0.96	1.29
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/20/79	10	0.13	0.139	0.31	0.02	0.01	0.102	0.021	0.045	0.22	0.307
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	10	5.6	5.82	8.5	3.1	4.471	2.114	3.13	3.775	7.875	8.46
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	10	355.	359.	600.	160.	20365.556	142.708	163.	250.	457.5	594.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-09/20/79	10	215.	222.5	430.	75.	13495.833	116.172	77.5	130.	295.	424.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/20/79	10	90.	93.	150.	45.	1241.778	35.239	45.7	64.75	117.5	149.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/20/79	10	30.5	30.9	55.	12.	180.767	13.445	12.3	21.	39.5	54.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/20/79	10	110.	102.6	150.	29.	1584.711	39.808	30.6	78.75	132.5	149.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/20/79	10	2.55	2.32	2.9	1.	0.386	0.621	1.04	2.075	2.7	2.88
00932	SODIUM, PERCENT	02/26/74-09/20/79	10	38.5	37.5	43.	28.	21.611	4.649	28.5	34.5	41.25	42.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/20/79	10	4.45	4.27	6.9	1.3	3.431	1.852	1.37	2.3	5.85	6.81
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/20/79	10	110.	103.6	160.	25.	1681.822	41.01	27.1	82.75	132.5	158.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/20/79	10	285.	288.	520.	100.	19462.222	139.507	104.	177.5	370.	517.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	10	10.5	10.37	13.	8.2	2.333	1.528	8.25	8.775	11.25	12.9
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	9	93.	148.667	333.	8.	14942.5	122.24	8.	47.	276.	333.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-10/10/79	17	822.	767.118	1240.	271.	80337.86	283.439	344.6	556.5	911.	1216.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	10	733.5	714.4	1140.	274.	76705.6	276.958	282.9	524.25	901.75	1132.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-10/10/79	17	10700.	11859.412	23300.	7710.	13103630.882	3619.894	7862.	10000.	12950.	17540.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-10/10/79	17	1.12	1.044	1.69	0.37	0.15	0.387	0.466	0.755	1.24	1.658
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/20/79	10	6.4	5.82	8.2	2.1	3.724	1.93	2.21	4.7	7.375	8.14

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

Annual Analysis for 1975 - Station ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-10/10/79	24	10.	11.146	23.	0.	59.967	7.744	0.	4.375	19.5	22.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-10/10/79	24	14.25	16.979	34.	1.	111.184	10.544	3.5	8.5	27.5	31.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-10/10/79	24	4685.	8122.083	27000.	2970.	55344851.993	7439.412	3000.	3862.5	8830.	24000.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	12	58.	130.5	450.	5.	25255.909	158.921	6.2	20.	252.5	435.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-10/10/79	24	1210.	1112.292	1850.	380.	183982.563	428.932	425.	692.5	1345.	1717.5
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/20/79	22	10.4	10.45	15.2	7.1	4.905	2.215	7.29	8.525	12.125	13.52
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	12	17.5	21.333	66.	4.	270.606	16.45	5.2	9.5	27.75	55.5
00400	PH (STANDARD UNITS)	02/26/74-10/10/79	23	8.15	8.147	8.6	7.8	0.061	0.246	7.808	7.97	8.3	8.56
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-10/10/79	23	8.15	8.085	8.6	7.8	0.065	0.254	7.808	7.97	8.3	8.56
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-10/10/79	23	0.007	0.008	0.016	0.003	0.	0.004	0.003	0.005	0.011	0.016
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/20/79	11	1.1	1.736	4.5	0.8	1.353	1.163	0.82	1.	2.3	4.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	12	151.	143.333	184.	88.	1115.879	33.405	88.9	112.5	169.5	183.7
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/20/79	12	181.5	170.833	223.	107.	1469.788	38.338	108.2	134.25	201.25	219.4

** - 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 1975 - Station ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/20/79	9	1.	2.556	7.	0.	10.028	3.167	0.	0.	6.5	7.
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/20/79	12	1.5	1.52	2.9	0.62	0.437	0.661	0.65	1.2	1.65	2.81
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/20/79	12	0.535	0.747	2.1	0.27	0.309	0.556	0.288	0.393	1.133	1.89
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/20/79	12	0.065	0.108	0.4	0.005	0.016	0.125	0.005	0.015	0.14	0.373
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/20/79	12	0.715	0.852	2.2	0.3	0.286	0.535	0.324	0.555	1.168	1.96
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/20/79	12	0.625	0.665	1.5	0.16	0.132	0.363	0.184	0.42	0.903	1.341
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/20/79	12	0.1	0.186	0.63	0.005	0.04	0.2	0.01	0.035	0.318	0.582
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	12	5.35	8.633	37.	2.	86.977	9.326	2.45	4.625	8.65	29.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	12	350.	339.167	580.	140.	17553.788	132.491	143.	237.5	425.	559.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-09/20/79	12	195.	195.333	400.	52.	10107.879	100.538	55.	120.	255.	376.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/20/79	12	85.5	86.083	150.	39.	1089.902	33.014	39.9	60.25	106.25	144.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/20/79	12	31.5	29.833	50.	11.	145.242	12.052	11.	21.	37.75	48.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/20/79	12	125.	99.25	140.	22.	2087.841	45.693	22.	55.75	130.	140.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/20/79	12	2.45	2.267	3.3	0.8	0.779	0.882	0.8	1.5	3.075	3.24
00932	SODIUM, PERCENT	02/26/74-09/20/79	12	38.	36.833	46.	24.	61.424	7.837	24.3	30.5	44.	46.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/20/79	12	5.3	4.683	6.7	1.7	2.607	1.615	2.	3.025	5.775	6.64
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/20/79	12	110.	101.333	170.	16.	2998.424	54.758	16.3	49.5	150.	164.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/20/79	12	260.	267.333	490.	69.	17926.97	133.892	72.	165.	350.	484.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	12	9.9	10.083	13.	8.3	1.585	1.259	8.48	9.225	11.	12.4
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	12	248.	351.167	1370.	12.	170734.879	413.201	15.6	57.	566.	1218.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-10/10/79	24	776.	736.792	1330.	241.	93518.346	305.808	269.	474.5	921.25	1195.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	12	772.	684.667	1070.	224.	79690.788	282.296	226.7	446.75	887.25	1046.3
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-10/10/79	24	10450.	11438.333	18700.	7250.	11924562.319	3453.196	7760.	9012.5	13000.	18000.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-10/10/79	24	1.06	1.003	1.81	0.33	0.173	0.416	0.365	0.643	1.255	1.625
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/20/79	12	6.45	6.758	13.	2.7	9.264	3.044	2.85	5.25	7.45	12.7

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

Annual Analysis for 1976 - Station ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-10/10/79	24	12.75	12.146	27.	0.	73.619	8.58	0.	4.125	17.375	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-10/10/79	24	16.5	16.979	36.	-0.5	101.076	10.054	5.75	2.125	24.75	31.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-10/10/79	24	4030.	4692.5	12000.	1980.	6703367.391	2589.086	2225.	3570.	4950.	9700.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	12	27.5	91.333	480.	10.	21461.333	146.497	11.5	15.	79.	426.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-10/10/79	24	1330.	1289.417	1900.	580.	119537.297	345.742	670.	1082.5	1532.75	1725.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/20/79	20	9.25	9.65	13.4	7.	3.066	1.751	7.53	8.325	10.675	12.54
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	12	14.	18.917	62.	7.	250.265	15.82	7.3	8.	22.5	53.6
00400	PH (STANDARD UNITS)	02/26/74-10/10/79	24	8.	7.985	8.5	7.3	0.172	0.414	7.4	7.57	8.4	8.4
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-10/10/79	24	8.	7.801	8.5	7.3	0.207	0.455	7.4	7.57	8.4	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-10/10/79	24	0.01	0.016	0.05	0.003	0.	0.014	0.004	0.004	0.027	0.04
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/20/79	12	1.3	1.492	3.3	1.	0.359	0.599	1.03	1.225	1.5	2.82
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	12	163.5	162.417	187.	135.	237.902	15.424	136.2	153.	170.75	185.5
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/20/79	12	190.	190.417	220.	155.	312.811	17.686	159.5	181.25	205.25	217.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/20/79	12	4.	3.75	8.	0.	6.386	2.527	0.	1.	5.	7.4
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/20/79	12	1.45	1.601	3.4	0.91	0.424	0.651	0.967	1.15	1.8	2.95
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/20/79	12	0.51	0.628	1.9	0.08	0.239	0.489	0.122	0.293	0.788	1.66
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/20/79	12	0.04	0.09	0.37	0.005	0.013	0.113	0.007	0.01	0.17	0.319
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/20/79	12	0.59	0.72	1.9	0.09	0.229	0.478	0.144	0.425	0.938	1.69
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/20/79	12	0.82	0.873	1.5	0.5	0.081	0.285	0.521	0.68	1.075	1.41
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/20/79	12	0.07	0.178	0.78	0.04	0.058	0.242	0.043	0.05	0.163	0.72
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	12	4.45	6.475	17.	2.5	22.062	4.697	2.59	3.25	10.1	15.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	12	355.	410.	620.	220.	16381.818	127.991	244.	330.	542.5	611.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-09/20/79	12	195.	246.75	470.	81.	14594.023	120.806	98.7	165.	370.	449.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/20/79	12	91.5	104.583	160.	59.	1030.447	32.101	64.7	84.25	137.5	157.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/20/79	12	32.5	36.083	60.	17.	149.174	12.214	19.4	27.5	47.5	56.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/20/79	12	135.	122.417	170.	37.	1414.811	37.614	49.9	91.5	147.5	164.

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

Annual Analysis for 1976 - Station ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00931	SODIUM ADSORPTION RATIO	02/26/74-09/20/79	12	2.85	2.633	3.5	1.1	0.439	0.662	1.34	2.2	3.	3.44
00932	SODIUM, PERCENT	02/26/74-09/20/79	12	37.5	38.667	48.	27.	34.061	5.836	29.1	35.	43.	47.4
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/20/79	12	5.4	5.208	6.9	2.2	1.861	1.364	2.59	4.3	6.275	6.81
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/20/79	12	140.	126.167	180.	31.	1785.606	42.256	45.4	93.	150.	177.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/20/79	12	275.	344.167	630.	150.	20408.333	142.858	174.	252.5	482.5	591.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	12	9.5	9.65	12.	7.2	2.052	1.432	7.32	8.825	11.	11.7
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	12	70.	214.5	1040.	29.	107995.545	328.627	29.	40.75	177.25	954.8
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-10/10/79	24	841.5	865.625	1400.	388.	75263.81	274.343	440.	694.75	1110.	1280.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	12	818.	846.667	1270.	389.	62041.152	249.081	452.	654.	1065.	1225.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-10/10/79	24	8795.	9559.167	13600.	6100.	4813355.797	2193.936	6615.	8050.	11525.	13150.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-10/10/79	24	1.145	1.178	1.9	0.53	0.139	0.373	0.6	0.943	1.51	1.745
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/20/79	12	6.45	7.05	15.	4.	8.263	2.874	4.24	5.15	7.875	13.05

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Annual Analysis for 1977 - Station ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-10/10/79	23	16.	14.174	29.	0.	92.332	9.609	0.	5.	23.5	26.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-10/10/79	24	21.25	19.646	36.	-3.	121.88	11.04	5.25	10.375	29.5	33.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-10/10/79	24	2005.	2222.5	4380.	1250.	536141.304	732.217	1465.	1740.	2460.	3450.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	12	37.5	108.833	600.	6.	28403.242	168.533	6.3	9.	170.	474.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-10/10/79	23	1750.	1711.304	2200.	1000.	74302.767	272.585	1282.	1600.	1850.	2086.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/20/79	24	10.25	10.708	15.6	7.	8.262	2.874	7.55	8.125	13.1	15.2
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	12	34.5	33.083	81.	0.	509.538	22.573	0.9	16.	43.5	74.1
00400	PH (STANDARD UNITS)	02/26/74-10/10/79	24	8.2	8.204	8.9	7.58	0.085	0.291	7.71	8.1	8.375	8.55
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-10/10/79	24	8.2	8.105	8.9	7.58	0.095	0.308	7.71	8.1	8.375	8.55
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-10/10/79	24	0.006	0.008	0.026	0.001	0.	0.006	0.003	0.004	0.008	0.02
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/20/79	12	1.65	1.708	2.8	0.8	0.272	0.521	0.92	1.4	2.05	2.62
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	12	180.	177.167	220.	120.	726.152	26.947	128.4	161.5	200.	214.
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/20/79	12	215.	209.333	250.	150.	976.242	31.245	156.	179.	237.5	247.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/20/79	12	0.5	3.25	15.	0.	21.295	4.615	0.	0.	5.75	12.6
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/20/79	12	2.1	2.15	3.5	1.	0.472	0.687	1.15	1.7	2.75	3.32
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/20/79	12	0.67	0.734	1.5	0.	0.254	0.504	0.06	0.29	1.25	1.47
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/20/79	12	0.145	0.292	1.3	0.04	0.138	0.371	0.046	0.085	0.385	1.123
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/20/79	12	0.98	1.017	1.7	0.44	0.183	0.428	0.446	0.595	1.45	1.64
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/20/79	12	1.2	1.138	1.8	0.56	0.141	0.376	0.578	0.8	1.375	1.74
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/20/79	12	0.085	0.174	0.73	0.005	0.045	0.212	0.01	0.03	0.275	0.628
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	10	4.9	5.38	13.	2.6	8.462	2.909	2.62	3.7	5.775	12.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	12	575.	565.	810.	370.	16809.091	129.65	376.	460.	630.	780.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-09/20/79	12	390.	386.667	640.	190.	18296.97	135.266	199.	282.5	445.	625.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/20/79	12	145.	141.25	200.	92.	1108.568	33.295	92.3	112.5	167.5	191.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/20/79	12	51.5	51.417	75.	33.	147.174	12.132	34.5	40.75	55.75	73.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/20/79	12	180.	181.667	250.	130.	942.424	30.699	136.	160.	200.	235.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/20/79	12	3.15	3.383	5.1	2.6	0.463	0.681	2.66	2.875	3.7	4.77
00932	SODIUM, PERCENT	02/26/74-09/20/79	12	38.5	41.333	53.	35.	37.515	6.125	35.	36.25	46.25	52.1
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/20/79	12	6.4	6.642	8.9	5.1	1.506	1.227	5.19	5.525	7.75	8.72
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/20/79	12	170.	189.167	300.	120.	2244.697	47.378	129.	162.5	225.	279.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/20/79	12	530.	521.667	810.	280.	25887.879	160.897	292.	407.5	567.5	804.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	12	8.75	8.35	13.	3.4	12.388	3.52	3.61	4.75	11.	13.
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	12	57.5	178.5	964.	6.	75267.909	274.35	6.3	14.	273.25	778.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-10/10/79	24	1260.	1238.208	1920.	696.	75557.042	274.876	850.	1040.	1360.	1615.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	12	1240.	1207.417	1570.	873.	41566.265	203.878	887.7	1035.5	1260.	1540.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-10/10/79	24	6820.	7005.417	9490.	5430.	1112895.471	1054.939	5665.	6140.	7685.	8575.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-10/10/79	24	1.71	1.684	2.61	0.95	0.139	0.373	1.155	1.418	1.848	2.195
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/20/79	12	9.45	9.592	16.	4.4	9.986	3.16	5.09	7.4	12.25	15.1

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Annual Analysis for 1978 - Station ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-10/10/79	22	11.5	11.614	27.	0.	53.356	7.304	2.15	4.5	17.25	21.95
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-10/10/79	22	19.	14.636	29.5	-10.5	95.814	9.788	2.9	9.25	22.125	28.75
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-10/10/79	22	3700.	6061.364	21100.	2000.	30042793.29	5481.131	2030.	2460.	8035.	17600.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/74-09/26/78	8	120.	177.875	450.	8.	32624.696	180.623	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-10/10/79	22	1390.	1169.545	1700.	420.	198375.974	445.394	476.	635.	1500.	1644.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/20/79	20	10.05	10.445	16.2	7.1	5.207	2.282	7.84	9.	11.95	14.16
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	10	27.5	32.6	82.	6.	456.933	21.376	6.8	17.75	42.75	78.6
00400	PH (STANDARD UNITS)	02/26/74-10/10/79	22	8.	7.97	8.4	7.25	0.102	0.319	7.379	7.783	8.215	8.37
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-10/10/79	22	8.	7.84	8.4	7.25	0.12	0.346	7.379	7.783	8.215	8.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-10/10/79	22	0.01	0.014	0.056	0.004	0.	0.014	0.004	0.006	0.017	0.044
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/20/79	9	1.8	2.633	5.4	1.2	2.143	1.464	1.2	1.45	3.65	5.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	9	160.	152.222	180.	90.	944.444	30.732	90.	130.	180.	180.
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/20/79	9	190.	184.444	220.	110.	1302.778	36.094	110.	160.	215.	220.
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/20/79	9	0.	1.	6.	0.	4.5	2.121	0.	0.	1.5	6.
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/20/79	10	1.6	1.623	2.4	0.83	0.245	0.495	0.867	1.275	2.	2.39
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/20/79	10	0.635	0.758	1.8	0.16	0.312	0.558	0.163	0.303	1.135	1.78
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/20/79	10	0.05	0.08	0.22	0.005	0.007	0.085	0.005	0.009	0.155	0.218
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/20/79	10	0.695	0.836	1.8	0.3	0.305	0.552	0.304	0.37	1.193	1.8
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/20/79	10	0.87	0.783	1.	0.49	0.031	0.177	0.495	0.615	0.92	0.992
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/20/79	10	0.105	0.258	0.86	0.03	0.099	0.315	0.03	0.06	0.455	0.854
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	10	6.45	8.52	23.	2.3	46.706	6.834	2.45	3.95	10.45	22.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	10	425.	381.	530.	160.	19254.444	138.76	164.	207.5	502.5	528.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-09/20/79	9	270.	225.111	400.	24.	17663.111	132.903	24.	81.	330.	400.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/20/79	10	105.	96.3	130.	44.	1115.567	33.4	45.	54.75	130.	130.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/20/79	10	40.	34.1	49.	13.	180.1	13.42	13.3	16.75	43.5	48.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/20/79	10	130.	116.6	190.	29.	3467.822	58.888	30.	45.75	172.5	189.
00931	SODIUM ADSORPTION RATIO	02/26/74-09/20/79	10	2.5	2.51	4.1	1.	1.105	1.051	1.02	1.425	3.55	4.06
00932	SODIUM, PERCENT	02/26/74-09/20/79	10	35.5	37.5	49.	28.	51.167	7.153	28.1	32.	45.25	48.7
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/20/79	10	5.3	4.69	6.9	1.6	3.821	1.955	1.66	2.275	6.275	6.86
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/20/79	10	130.	121.	210.	14.	4964.667	70.46	16.2	39.	192.5	209.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/20/79	10	355.	317.	480.	100.	20978.889	144.841	103.	130.	447.5	479.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	10	9.25	9.51	13.	4.4	6.039	2.457	4.75	8.5	12.	12.9
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	03/26/74-09/26/78	8	113.5	307.25	938.	9.	138859.929	372.639	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-10/10/79	22	990.5	810.818	1200.	285.	105354.251	324.583	304.9	422.25	1052.5	1125.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	9	977.	782.111	1030.	294.	109416.861	330.782	294.	368.	1020.	1030.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-10/10/79	22	8835.	9319.545	16300.	5720.	8139671.212	2853.011	6166.	6827.5	10675.	14560.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-10/10/79	22	1.345	1.102	1.63	0.39	0.194	0.44	0.414	0.578	1.433	1.529
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/20/79	10	7.	7.15	11.	3.7	5.007	2.238	3.87	5.55	8.875	10.9

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Annual Analysis for 1979 - Station ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/26/74-10/10/79	18	13.5	12.25	25.	0.	71.478	8.454	0.	3.5	19.25	23.65
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/26/74-10/10/79	16	14.	13.438	33.	-9.5	152.429	12.346	6.7	-2.75	23.125	31.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/26/74-10/10/79	17	5470.	9672.941	34230.	3340.	78112147.059	8838.108	3620.	3730.	15220.	26238.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/26/74-10/10/79	18	1075.	985.556	1430.	365.	119552.614	345.764	414.5	627.5	1232.5	1403.
00300	OXYGEN, DISSOLVED MG/L	02/26/74-09/20/79	10	10.55	11.59	22.5	7.8	18.07	4.251	7.84	8.95	12.475	21.61
00340	COD, .25N K2CR2O7 MG/L	02/26/74-09/20/79	8	28.5	34.625	80.	19.	386.554	19.661	**	**	**	**
00400	PH (STANDARD UNITS)	02/26/74-10/10/79	18	8.05	8.096	8.6	7.6	0.089	0.298	7.69	7.875	8.3	8.6
00400	CONVERTED PH (STANDARD UNITS)	02/26/74-10/10/79	18	8.047	8.007	8.6	7.6	0.097	0.311	7.69	7.875	8.3	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/74-10/10/79	18	0.009	0.01	0.025	0.003	0.	0.006	0.003	0.005	0.013	0.02
00405	CARBON DIOXIDE (MG/L AS CO2)	02/26/74-09/20/79	6	3.2	3.417	7.2	0.9	4.618	2.149	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	6	164.	158.	177.	131.	259.6	16.112	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	02/26/74-09/20/79	6	200.	190.	200.	160.	280.	16.733	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	02/26/74-09/20/79	6	0.	1.333	8.	0.	10.667	3.266	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00600	NITROGEN, TOTAL (MG/L AS N)	02/26/74-09/20/79	8	1.35	1.513	2.4	1.1	0.233	0.482	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/26/74-09/20/79	8	0.5	0.769	1.9	0.21	0.313	0.559	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/74-09/20/79	8	0.065	0.106	0.3	0.02	0.011	0.105	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/26/74-09/20/79	8	0.57	0.877	2.	0.44	0.342	0.585	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	02/26/74-09/20/79	8	0.63	0.626	0.87	0.43	0.021	0.144	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/26/74-09/20/79	8	0.1	0.196	0.7	0.01	0.056	0.237	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/26/74-09/20/79	8	7.75	7.988	18.	2.6	22.836	4.779	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/26/74-09/20/79	8	305.	303.75	460.	140.	13626.786	116.734	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/26/74-09/20/79	7	160.	168.429	300.	0.	14457.286	120.238	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/26/74-09/20/79	8	76.5	78.625	120.	37.	880.554	29.674	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/26/74-09/20/79	8	27.	26.625	40.	11.	119.696	10.941	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/26/74-09/20/79	8	103.5	80.138	130.	0.1	2900.123	53.853	**	**	**	**
00931	SODIUM ADSORPTION RATIO	02/26/74-09/20/79	8	2.35	1.925	3.3	0.	1.331	1.154	**	**	**	**
00932	SODIUM, PERCENT	02/26/74-09/20/79	8	37.	33.875	51.	0.	272.411	16.505	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/26/74-09/20/79	8	4.6	4.475	5.8	2.3	1.696	1.302	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/74-09/20/79	8	110.	98.5	150.	13.	2692.	51.884	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/74-09/20/79	8	245.	261.	470.	70.	21133.714	145.374	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/26/74-09/20/79	8	9.25	9.475	12.	8.	2.019	1.421	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/26/74-10/10/79	18	724.	681.667	1010.	227.	69178.235	263.018	283.7	385.75	904.25	1010.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/26/74-09/20/79	6	625.5	633.833	1010.	252.	105899.767	325.422	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/26/74-10/10/79	17	10500.	12211.765	21000.	7680.	16431552.941	4053.585	7816.	9150.	14350.	19400.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/26/74-10/10/79	16	0.95	0.871	1.37	0.31	0.115	0.339	0.366	0.523	1.068	1.349
71887	NITROGEN, TOTAL, AS NO3 - MG/L	02/26/74-09/20/79	8	6.	6.7	11.	4.7	4.997	2.235	**	**	**	**

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

Station Inventory for Station: ARCH0083

NPS Station ID: ARCH0083 | LAT/LON: 38.603892/-109.577227 | Agency: 1118C030 | Date Created: / /
Location: COLO R AT HIWY 160 NORTH OF MOAB | FIPS State/County: 49000 UTAH/
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 490010
RMI-Indexes: 1101001 | Within Park Boundary: No
RMI-Miles: 0995.10
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER SUB BASIN | ECO Region:
RF1 Index: 14030005019 | RF1 Mile Point: 3.420 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 14030005001900.00 | RF3 Mile Point: 1.58 | Distance from RF3: 0.04 | On/Off RF3:
Description:
CRBP NO. RMN-9, UMSE-43, BWS-23 NW1/4, SEC 26, T25S, R21E
SAMPLED COLLECTED IN MAIN CHANNEL 1/2 MILE UPSTREAM FROM ATLAS MINERALS URANIUM MILL AT HWY 160 BRIDGE IN GRAND COUNTY.
TYPE DATA-RAD, SAL, BACT; GRAB, 3 PINTS/WEEK SAMPLING STARTED 12/11/61 AND IS ONGOING
REMARKS: THIS STATION PROVIDES BACKGROUND DATA FOR THE COLO. RIVER UPSTREAM FROM THE OPERATING URANIUM MILL NEAR MOAB, UTAH. STREAM FLOW
MUST BE COMPUTED FOR THIS STATION. TYPE FLOW MEAS-WTR STG REC AT 09180500 NEAR CISCO, UTAH

Parameter Inventory for Station: ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/20/65-06/03/66	36	1220.	1145.944	1940.	379.	249859.025	499.859	466.4	667.	1605.	1765.
00400	PH (STANDARD UNITS)	01/20/65-06/03/66	36	7.65	7.714	8.4	7.3	0.056	0.237	7.5	7.525	7.875	8.03
00400	CONVERTED PH (STANDARD UNITS)	01/20/65-06/03/66	36	7.647	7.661	8.4	7.3	0.059	0.243	7.5	7.525	7.875	8.03
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/20/65-06/03/66	36	0.023	0.022	0.05	0.004	0.	0.01	0.009	0.013	0.03	0.032
00440	BICARBONATE ION (MG/L AS HCO3)	01/20/65-06/03/66	36	171.5	166.278	209.	103.	1039.463	32.241	121.8	135.	195.	205.3
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/20/65-06/03/66	36	875.5	774.167	1310.	228.	119884.143	346.243	299.1	440.25	1095.	1190.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/20/65-06/03/66	36	399.5	351.5	596.	151.	15678.886	125.215	173.2	225.75	457.5	486.3
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/20/65-06/03/66	36	98.	90.556	174.	42.	968.425	31.12	48.8	62.	115.	118.3
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/20/65-06/03/66	36	35.5	30.333	52.	10.	188.114	13.715	11.7	15.	42.	46.
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/20/65-06/03/66	36	110.	110.278	235.	17.	4486.321	66.98	26.5	47.	160.	203.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/20/65-06/03/66	36	4.5	4.447	8.1	1.5	3.529	1.879	2.07	2.625	6.1	6.99
00940	CHLORIDE,TOTAL IN WATER MG/L	01/20/65-06/03/66	36	104.5	112.556	276.	13.	5903.111	76.832	22.4	41.	168.75	223.1
00945	SULFATE, TOTAL (MG/L AS SO4)	01/20/65-06/03/66	36	341.	290.167	583.	70.	18766.771	136.992	98.3	151.75	392.	439.6
01501	ALPHA, TOTAL	10/14/69-01/04/71	12	9.5	12.5	32.	6.	67.	8.185	6.3	7.	15.	29.9
01502	ALPHA, TOTAL, COUNTING ERROR	10/14/69-01/04/71	12	1.	1.317	2.	0.8	0.258	0.508	0.86	1.	2.	2.
01503	ALPHA, DISSOLVED	04/01/67-01/04/71	22	7.	7.545	16.	2.	7.974	2.824	5.	5.75	8.25	11.
01504	ALPHA, DISSOLVED, COUNTING ERROR	07/01/67-01/04/71	21	1.	1.205	2.	0.7	0.214	0.463	0.8	1.	1.5	2.
01505	ALPHA, SUSPENDED	10/14/69-01/04/71	12	2.5	6.142	24.	0.2	57.332	7.572	0.29	1.25	8.75	22.2
01506	ALPHA, SUSPENDED, COUNTING ERROR	10/14/69-01/04/71	12	0.2	0.458	2.	0.	0.35	0.592	0.03	0.1	0.85	1.7
02270	INVALID PARAMETER	12/27/68-12/27/68	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
03501	BETA, TOTAL	10/14/69-01/04/71	12	15.5	25.25	81.	10.	470.023	21.68	10.	11.	38.5	71.1
03502	BETA, TOTAL, COUNTING ERROR	10/14/69-01/04/71	12	4.	4.083	7.	3.	1.356	1.165	3.	3.	4.75	6.4
03503	BETA, DISSOLVED	04/01/67-01/04/71	22	10.	10.727	21.	6.	20.113	4.485	6.	6.75	12.	19.4
03504	BETA, DISSOLVED, COUNTING ERROR	07/01/67-01/04/71	21	3.	3.005	5.	0.1	1.27	1.127	1.2	2.5	4.	4.
03505	BETA, SUSPENDED	10/14/69-01/04/71	12	5.5	15.625	72.	0.5	441.051	21.001	0.65	4.	24.5	61.5
03506	BETA, SUSPENDED, COUNTING ERROR	10/14/69-01/04/71	12	0.45	1.233	6.	0.1	2.997	1.731	0.13	0.3	1.75	5.1

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

Parameter Inventory for Station: ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	187	0.2	0.233	1.3	0.05	0.018	0.134	0.1	0.17	0.27	0.35
09504	RADIUM 226, DISSOLVED, COUNTING ERROR	06/03/68-06/01/71	36	0.02	0.021	0.03	0.01	0.	0.004	0.02	0.02	0.02	0.03
09505	RADIUM 226, SUSPENDED	07/01/68-12/02/70	31	0.34	1.023	6.	0.03	2.251	1.5	0.06	0.1	1.2	3.06
09506	RADIUM 226, SUSPENDED, COUNTING ERROR	07/01/68-12/02/70	31	0.02	0.053	0.2	0.	0.005	0.068	0.	0.	0.1	0.2
09507	RADIUM 226 IN SEDIMENT (PC/G OF DRY SOLIDS)	07/01/68-12/02/70	15	1.8	1.927	4.1	1.3	0.525	0.725	1.3	1.5	2.1	3.2
09508	RADIUM 226 IN SEDIMENT, COUNTING ERROR	07/01/68-12/02/70	15	0.1	0.133	0.5	0.1	0.011	0.105	0.1	0.1	0.1	0.32
13501	STRONTIUM 90, TOTAL	10/01/69-01/01/70	2	0.65	0.65	0.8	0.5	0.045	0.212	**	**	**	**
13502	STRONTIUM 90, TOTAL, COUNTING ERROR	10/01/69-01/01/70	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**
13503	STRONTIUM 90, DISSOLVED	04/01/67-07/01/69	10	0.8	1.22	3.6	0.1	1.182	1.087	0.13	0.625	1.85	3.5
13504	STRONTIUM 90, DISSOLVED, COUNTING ERROR	04/01/67-07/01/69	10	0.1	0.18	0.6	0.1	0.026	0.162	0.1	0.1	0.225	0.57
15501	STRONTIUM 89, TOTAL	10/01/69-01/01/70	2	0.	0.	0.	0.	0.	0.	**	**	**	**
15502	STRONTIUM 89, TOTAL, COUNTING ERROR	10/01/69-01/01/70	2	1.	1.	1.	1.	0.	0.	**	**	**	**
17503	LEAD 210, DISSOLVED	01/01/68-07/01/69	7	0.	0.016	0.11	0.	0.002	0.042	**	**	**	**
17504	LEAD 210, DISSOLVED, COUNTING ERROR	01/01/68-04/01/68	2	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
19503	POLONIUM 210, DISSOLVED	01/01/68-04/01/68	2	0.06	0.06	0.08	0.04	0.001	0.028	**	**	**	**
19504	POLONIUM 210, DISSOLVED, COUNTING ERROR	01/01/68-04/01/68	2	0.01	0.01	0.02	0.	0.	0.014	**	**	**	**
20950	INVALID PARAMETER	12/27/68-12/27/68	1 ##	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	171	8.2	8.467	31.	1.9	13.955	3.736	4.14	5.9	11.	13.
26603	THORIUM, ALPHA, DISSOLVED	01/01/68-07/01/68	3	0.13	1.077	3.	0.1	2.775	1.666	**	**	**	**
26604	THORIUM, ALPHA, DISSOLVED, COUNTING ERROR	01/01/68-07/01/68	3	0.04	0.07	0.13	0.04	0.003	0.052	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	36	0	0.00	7	0	0.00	17	0	0.00	8	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	36	0	0.00	7	0	0.00	17	0	0.00	8	0	0.00	4	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	36	0	0.00	7	0	0.00	17	0	0.00	8	0	0.00	4	0	0.00
		Drinking Water	250.	36	1	0.03	7	0	0.00	17	1	0.06	8	0	0.00	4	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	36	21	0.58	7	4	0.57	17	16	0.94	8	1	0.13	4	0	0.00
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	187	0	0.00	35	0	0.00	94	0	0.00	35	0	0.00	23	0	0.00
09505	RADIUM 226, SUSPENDED	Drinking Water	5.	31	2	0.06	8	2	0.25	15	0	0.00	4	0	0.00	4	0	0.00
13501	STRONTIUM 90, TOTAL	Drinking Water	8.	2	0	0.00	1	0	0.00	1	0	0.00						
13503	STRONTIUM 90, DISSOLVED	Drinking Water	8.	10	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	171	1	0.01	29	0	0.00	90	1	0.01	33	0	0.00	19	0	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 1961 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	26	0.225	0.24	0.43	0.1	0.007	0.083	0.151	0.175	0.293	0.366
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	14	9.9	9.971	12.	8.7	0.928	0.964	8.8	9.15	11.	11.5

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

Annual Analysis for 1963 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	32	0.26	0.292	0.5	0.2	0.008	0.087	0.203	0.23	0.34	0.456
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	32	11.	10.938	31.	4.1	26.819	5.179	4.88	7.1	14.	15.7

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

Annual Analysis for 1964 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	11	0.24	0.244	0.35	0.18	0.002	0.049	0.182	0.2	0.27	0.34
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	11	11.	10.482	15.	3.6	13.386	3.659	4.	7.8	14.	14.8

** - 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 1965 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	12	0.195	0.192	0.3	0.13	0.002	0.049	0.133	0.145	0.208	0.285
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	12	8.45	7.833	11.	2.6	10.041	3.169	2.9	4.3	11.	11.

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

Annual Analysis for 1966 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	12	0.24	0.254	0.37	0.19	0.004	0.063	0.19	0.21	0.31	0.367
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	12	9.75	8.458	13.	2.4	13.384	3.658	3.03	4.875	11.75	12.7

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

Annual Analysis for 1967 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	12	0.25	0.274	0.51	0.17	0.01	0.1	0.17	0.2	0.315	0.477
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	12	10.	9.608	14.	3.8	8.737	2.956	4.58	7.3	11.75	13.7

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

Annual Analysis for 1968 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	13	0.22	0.235	0.42	0.16	0.005	0.073	0.16	0.175	0.27	0.376
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	13	8.8	8.454	14.	2.	9.094	3.016	3.16	6.95	9.8	13.2

** - 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 1969 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	10	0.15	0.17	0.34	0.11	0.004	0.065	0.112	0.13	0.19	0.325
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	9	7.4	7.833	16.	4.3	11.993	3.463	4.3	5.2	8.65	16.

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

Annual Analysis for 1970 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	12	0.14	0.148	0.26	0.09	0.003	0.055	0.09	0.103	0.193	0.248
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	12	6.35	6.125	8.6	2.4	2.478	1.574	3.15	5.15	7.25	8.24

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

Annual Analysis for 1971 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	22	0.18	0.259	1.3	0.05	0.098	0.314	0.062	0.1	0.2	0.88
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	22	6.9	6.641	12.	1.9	6.328	2.516	3.38	4.575	8.9	9.79

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

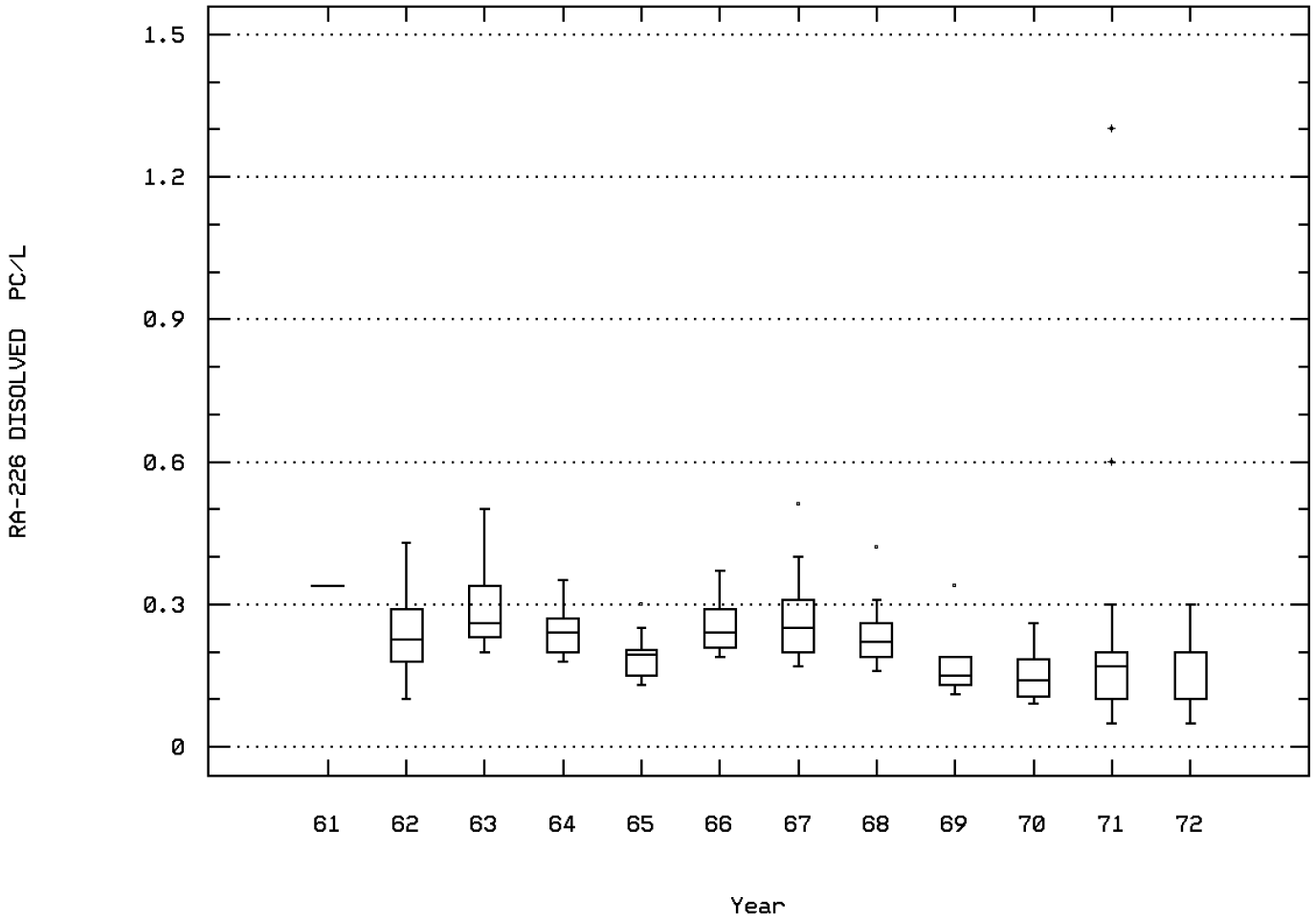
Annual Analysis for 1972 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503p	RADIUM 226, DISSOLVED	12/11/61-06/30/72	24	0.2	0.167	0.3	0.05	0.005	0.069	0.075	0.1	0.2	0.25
22703p	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	22	5.9	6.005	10.	1.9	5.132	2.265	2.64	4.375	7.275	9.7

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

Station: ARCH0083 Parameter Code: 09503

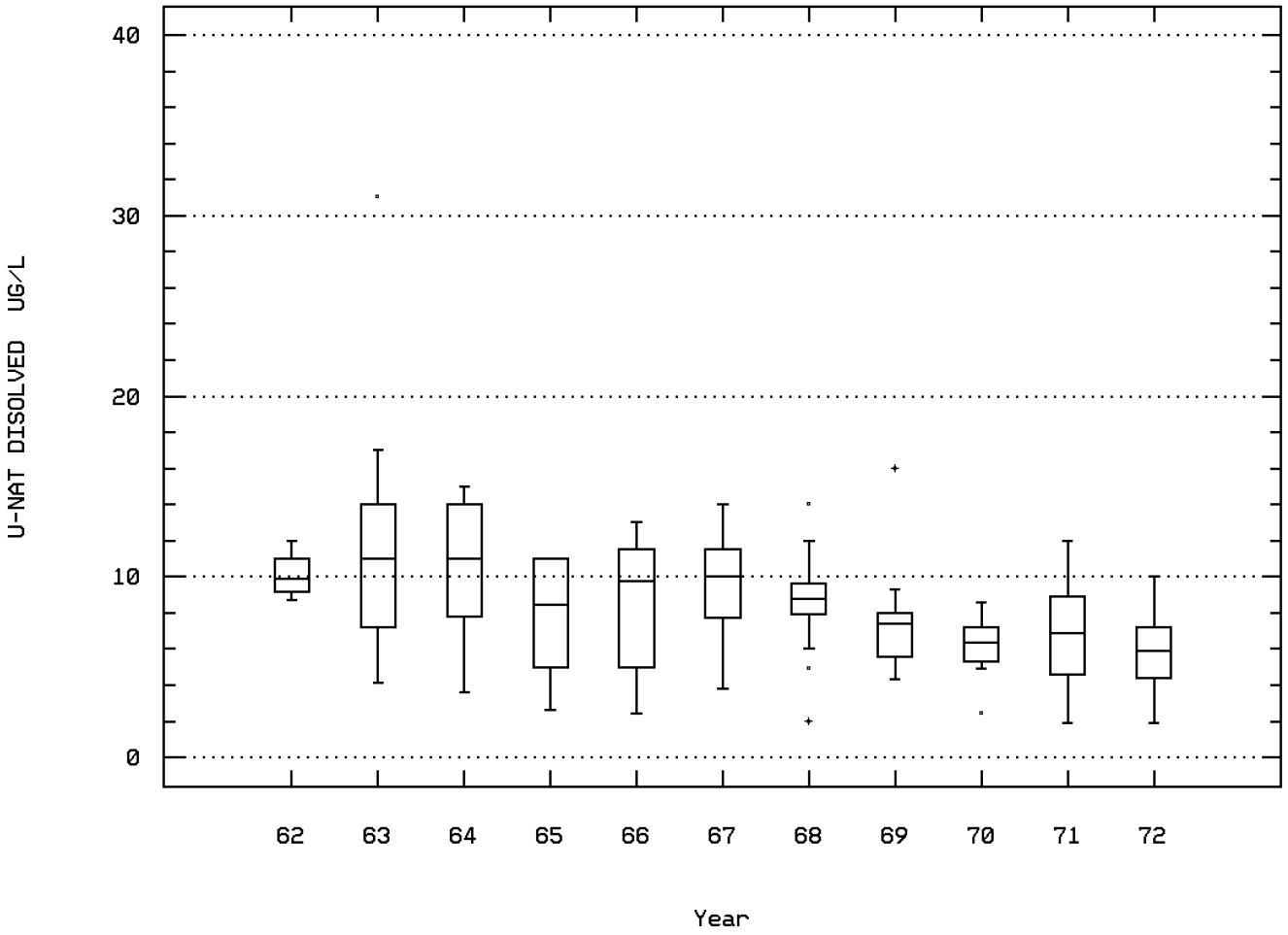
RADIUM 226, DISSOLVED



COLO R AT HIWY 160 NORTH OF MOAB

Station: ARCH0083 Parameter Code: 22703

URANIUM, NATURAL, DISSOLVED



COLO R AT HIWY 160 NORTH OF MOAB

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	35	0.22	0.257	1.3	0.05	0.042	0.204	0.13	0.16	0.31	0.382
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	29	11.	10.648	17.	4.6	10.618	3.258	6.4	7.65	13.5	14.

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	94	0.2	0.233	1.	0.09	0.015	0.124	0.1	0.17	0.283	0.355
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	90	9.3	9.326	31.	2.1	13.01	3.607	5.01	7.35	11.	12.9

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	35	0.2	0.207	0.42	0.05	0.007	0.081	0.1	0.17	0.25	0.322
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	33	6.	5.93	14.	1.9	5.107	2.26	2.84	4.7	7.2	8.16

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
09503	RADIUM 226, DISSOLVED	12/11/61-06/30/72	23	0.2	0.231	0.51	0.09	0.011	0.104	0.098	0.19	0.26	0.42
22703	URANIUM, NATURAL, DISSOLVED	10/01/62-06/30/72	19	4.7	5.474	14.	1.9	9.271	3.045	2.	3.6	6.1	11.

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

Station Inventory for Station: ARCH0084

NPS Station ID: ARCH0084
LAT/LON: 38.606698/-109.538115
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17010
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): ARCH_NURE_04 /1041143
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/78-06/28/78	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	1	42.4	42.4	42.4	42.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	1	15.7	15.7	15.7	15.7	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	1	284.	284.	284.	284.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	1	516.	516.	516.	516.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	1	59.	59.	59.	59.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	1	15727.	15727.	15727.	15727.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0085

NPS Station ID: ARCH0085
LAT/LON: 38.606667/-109.322500
Agency: 21UTAH
Date Created: 03/24/79
Location: CASTLE VALLEY CK AT CASTLETON
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495807
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005002100.00
RF3 Mile Point: 0.12
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/77-03/13/78	2	15.75	15.75	24.	7.5	136.125	11.667	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/78-03/13/78	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/29/77-03/13/78	2	3.2	3.2	3.4	3.	0.08	0.283	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/78-03/13/78	1	895.	895.	895.	895.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/77-03/13/78	2	910.	910.	925.	895.	450.	21.213	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/29/77-08/29/77	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/29/77-03/13/78	2	8.55	8.55	8.7	8.4	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/29/77-03/13/78	2	8.525	8.525	8.7	8.4	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/29/77-03/13/78	2	0.003	0.003	0.004	0.002	0.	0.001	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/77-03/13/78	4	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/77-03/13/78	2	134.5	134.5	148.	121.	364.5	19.092	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/29/77-03/13/78	2	164.	164.	180.	148.	512.	22.627	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/29/77-03/13/78	2	10.	10.	15.	5.	50.	7.071	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/13/78-03/13/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/29/77-03/13/78	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/29/77-08/29/77	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/77-03/13/78	2	290.	290.	308.	272.	648.	25.456	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/77-03/13/78	2	80.5	80.5	83.	78.	12.5	3.536	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/77-03/13/78	2	21.5	21.5	24.	19.	12.5	3.536	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/77-03/13/78	2	92.5	92.5	100.	85.	112.5	10.607	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/77-03/13/78	2	4.	4.	6.	2.	8.	2.828	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/29/77-03/13/78	2	95.5	95.5	105.	86.	180.5	13.435	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/29/77-03/13/78	2	195.	195.	197.	193.	8.	2.828	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/29/77-03/13/78	2	0.64	0.64	0.7	0.58	0.007	0.085	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/29/77-03/13/78	2	18.	18.	18.	18.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/13/78-03/13/78	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/13/78-03/13/78	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/29/77-03/13/78	2	60.	60.	60.	60.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/13/78-03/13/78	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/13/78-03/13/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/13/78-03/13/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/13/78-03/13/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/13/78-03/13/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/13/78-03/13/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/13/78-03/13/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/13/78-03/13/78	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/13/78-03/13/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/13/78-03/13/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/13/78-03/13/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/29/77-03/13/78	2	226.5	226.5	430.	23.	82824.5	287.792	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/29/77-03/13/78	2	1.998	1.998	2.633	1.362	0.809	0.899	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			99.448								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/29/77-03/13/78	2	4661.5	4661.5	9300.	23.	43031364.5	6559.83	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/29/77-03/13/78	2	2.665	2.665	3.968	1.362	3.398	1.843	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			462.493								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/29/77-03/13/78	2	588.	588.	602.	574.	392.	19.799	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/29/77-03/13/78	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/29/77-03/13/78	2	0.175	0.175	0.2	0.15	0.001	0.035	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-08/29/77	1	75.	75.	75.	75.	0.	0.	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-03/13/78	2	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: ARCH0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00	1	0	0.00						
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	1	0	0.00	1	0	0.00						
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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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	0	0.00				1	0	0.00						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	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	1	1.00				1	1	1.00						
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						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	1	1.00				1	1	1.00						
		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						
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						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00	1	0	0.00	1	0	0.00						
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	2	1	0.50	1	0	0.00	1	1	1.00						
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

& - 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: ARCH0086

NPS Station ID: ARCH0086
LAT/LON: 38.610222/-109.533443
Agency: 21UTAH
Date Created: 03/24/79
Location: NEGRO BILL CANYON CK AT MOUTH
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495715
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER DRAIN
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005001700.00
RF3 Mile Point: 0.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/78-12/13/99	31	12.	13.768	28.	1.	65.771	8.11	4.02	6.5	23.	25.78
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/12/95-12/13/99	10	15.5	17.01	36.	2.8	155.554	12.472	2.92	4.075	27.325	35.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/78-12/13/99	27	2.5	3.139	10.4	0.25	4.432	2.105	0.96	1.5	4.	6.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/78-12/13/99	31	0.6	5.454	120.	0.2	455.15	21.334	0.332	0.4	2.8	5.48
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/78-12/13/99	30	348.	485.1	3300.	155.	296572.714	544.585	316.4	334.	422.5	638.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/78-12/13/99	31	340.	352.935	769.	193.	7175.262	84.707	310.	327.	360.	380.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/12/95-12/13/99	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	03/13/79-04/07/99	15	8.5	8.6	11.4	5.5	3.236	1.799	5.56	7.7	10.1	11.34
00310	BOD, 5 DAY, 20 DEG C MG/L	09/20/78-08/06/80	10 ##	0.5	0.8	2.	0.5	0.233	0.483	0.5	0.5	1.	1.9
00335	COD, .025N K2CR2O7 MG/L	12/13/79-07/20/82	10 ##	8.75	12.75	39.	5.	106.681	10.329	5.	6.875	16.25	37.1
00400	PH (STANDARD UNITS)	03/14/78-12/13/99	20	8.42	8.426	8.72	8.05	0.043	0.208	8.1	8.293	8.615	8.7
00400	CONVERTED PH (STANDARD UNITS)	03/14/78-12/13/99	20	8.42	8.377	8.72	8.05	0.046	0.214	8.1	8.293	8.615	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/78-12/13/99	20	0.004	0.004	0.009	0.002	0.	0.002	0.002	0.002	0.005	0.008
00405	CARBON DIOXIDE (MG/L AS CO2)	03/14/78-12/13/99	30	1.	1.283	4.	0.5	0.443	0.665	1.	1.	1.25	2.
00406	PH, FIELD, STANDARD UNITS SU	01/16/79-12/13/99	24	8.4	8.296	9.1	6.2	0.324	0.569	7.75	8.025	8.6	8.85
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/16/79-12/13/99	24	8.4	7.497	9.1	6.2	0.989	0.995	7.75	8.025	8.6	8.85
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/16/79-12/13/99	24	0.004	0.032	0.631	0.001	0.016	0.128	0.001	0.003	0.009	0.019
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	31	151.	151.774	243.	74.	518.047	22.761	142.2	147.	157.	159.8
00440	BICARBONATE ION (MG/L AS HCO3)	03/14/78-12/13/99	31	180.	180.645	296.	90.	784.97	28.017	170.4	174.	186.	192.
00445	CARBONATE ION (MG/L AS CO3)	03/13/79-12/13/99	25	2.	2.72	8.	0.	8.293	2.88	0.	0.	6.	6.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/14/78-12/13/99	28	2.	11.829	228.	0.	1822.008	42.685	0.	1.5	6.25	12.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/14/78-06/28/99	28 ##	0.05	0.054	0.1	0.025	0.001	0.026	0.025	0.031	0.056	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/14/78-01/27/81	17 ##	0.025	0.025	0.025	0.02	0.	0.001	0.024	0.025	0.025	0.025
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/14/78-01/27/81	18	0.2	0.242	0.85	0.15	0.026	0.161	0.15	0.15	0.263	0.355
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/14/78-05/05/97	23	0.2	0.273	1.31	0.05	0.1	0.316	0.05	0.1	0.3	0.88
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-12/13/99	19	0.2	0.261	1.2	0.1	0.078	0.279	0.1	0.15	0.2	0.85
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/12/95-06/28/99	10	0.175	0.261	0.94	0.01	0.071	0.266	0.019	0.115	0.346	0.888
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/79-12/13/99	27 ##	0.02	0.061	1.05	0.005	0.04	0.2	0.005	0.01	0.026	0.064
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/12/95-06/28/99	9 ##	0.01	0.014	0.04	0.005	0.	0.015	0.005	0.005	0.025	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/14/78-07/20/82	14	4.75	10.943	69.5	0.5	328.567	18.126	0.5	1.525	12.35	46.75
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	31	172.	174.842	395.3	74.9	2071.552	45.514	153.	164.	178.4	190.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/78-12/13/99	31	35.	37.377	104.	18.	167.991	12.961	33.12	34.5	37.	41.06
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/78-12/13/99	31	20.	19.726	33.	7.3	13.203	3.634	16.4	19.	21.	21.92
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/78-12/13/99	31	8.	8.492	27.	3.1	13.811	3.716	6.872	7.	9.	9.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/78-12/13/99	31	2.	1.924	3.26	0.5	0.225	0.474	1.516	1.72	2.	2.4
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/78-12/13/99	31	7.	7.026	18.	2.5	5.574	2.361	5.5	6.	7.5	8.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/78-12/13/99	31	22.8	28.087	157.	11.42	614.631	24.792	14.496	20.	29.	35.4
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/14/78-01/27/81	18	0.18	0.184	0.22	0.13	0.001	0.024	0.139	0.18	0.2	0.22

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

Parameter Inventory for Station: ARCH0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/14/78-01/27/81	18	9.	8.667	10.	8.	0.353	0.594	8.	8.	9.	9.1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/80-12/13/99	20 ##	2.5	2.025	3.	0.5	0.591	0.769	1.	1.	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/10/80-12/13/99	20	170.	147.103	200.	0.05	2700.057	51.962	72.8	122.5	187.5	190.
01020	BORON, DISSOLVED (UG/L AS B)	03/14/78-01/27/81	18	60.	65.556	115.	25.	505.556	22.485	25.	53.75	80.	101.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/80-12/13/99	20 ##	0.5	0.525	1.	0.5	0.013	0.112	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/80-12/13/99	20 ##	2.5	3.09	6.5	2.5	1.546	1.243	2.5	2.5	2.5	5.27
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/14/78-01/27/81	17 ##	2.5	2.647	5.	2.5	0.368	0.606	2.5	2.5	2.5	3.
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/80-12/13/99	20 ##	6.	6.35	15.	5.	5.292	2.3	5.	5.	6.	9.6
01046	IRON, DISSOLVED (UG/L AS FE)	03/14/78-12/13/99	20 ##	23.15	32.915	106.	10.	649.528	25.486	10.	10.	50.	53.6
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/80-12/13/99	20 ##	1.5	3.025	10.	1.5	5.276	2.297	1.5	1.5	5.	5.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/80-12/13/99	20	8.4	19.2	190.	5.	1681.414	41.005	5.	5.	12.75	37.8
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/10/80-01/27/81	8 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/10/80-12/13/99	20 ##	1.	1.2	5.	1.	0.8	0.894	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/80-12/13/99	20 ##	15.	10.	15.	2.5	39.474	6.283	2.5	2.5	15.	15.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/12/95-12/13/99	12 ##	15.	29.417	188.	15.	2494.083	49.941	15.	15.	15.	136.1
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/80-12/13/99	20 ##	0.5	0.57	1.4	0.5	0.051	0.225	0.5	0.5	0.5	0.95
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/14/78-07/20/82	10 ##	0.5	0.45	0.5	0.25	0.011	0.105	0.25	0.438	0.5	0.5
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/14/78-01/27/81	14	930.	1185.929	4300.	23.	1342412.071	1158.625	31.5	430.	1725.	3350.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/14/78-01/27/81	14	2.968	2.805	3.633	1.362	0.403	0.635	1.482	2.633	3.227	3.507
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			638.956								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/14/78-01/27/81	14 ##	11.5	114.393	930.	11.5	67790.738	260.367	11.5	11.5	37.375	680.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/14/78-01/27/81	14 ##	1.061	1.381	2.968	1.061	0.437	0.661	1.061	1.061	1.311	2.801
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			24.029								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/16/79-05/16/79	5 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	05/12/95-12/13/99	12	115.5	127.417	321.	58.	4002.811	63.268	72.7	110.	119.5	261.3
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	05/12/95-12/13/99	12	65.	70.417	167.	31.	1027.72	32.058	39.4	61.5	68.5	137.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/78-12/13/99	31	192.	201.032	486.	122.	3200.432	56.572	172.4	181.	202.	226.8
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	03/14/78-01/27/81	17 ##	0.01	0.011	0.02	0.01	0.	0.003	0.01	0.01	0.01	0.02
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/12/95-12/13/99	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	11	1.	1.273	4.	0.5	1.018	1.009	0.5	0.5	1.5	3.6
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/14/78-07/20/82	11	0.14	0.124	0.24	0.025	0.006	0.076	0.025	0.025	0.19	0.232
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	10 ##	0.5	1.25	4.	0.5	1.625	1.275	0.5	0.5	2.5	3.85
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	10 ##	6.25	8.25	30.	2.5	66.736	8.169	2.5	2.5	10.	28.
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	10 ##	5.	6.85	20.	2.5	28.281	5.318	2.5	2.5	9.25	19.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/14/78-07/20/82	18	0.08	0.096	0.28	0.015	0.006	0.074	0.015	0.04	0.128	0.226
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	10 ##	2.5	6.	20.	2.5	33.611	5.798	2.5	2.5	10.	19.
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	11	10.	11.636	25.	5.	38.455	6.201	5.	5.	15.	23.6
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	16 ##	0.05	0.138	0.8	0.05	0.036	0.19	0.05	0.05	0.138	0.45
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	10 ##	10.	12.5	25.	5.	50.	7.071	5.	8.75	15.625	25.
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	10 ##	2.5	3.85	10.	1.	6.558	2.561	1.15	2.5	5.	9.5
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-07/20/82	11	10.	500.	5420.	2.5	2662728.75	1631.787	2.5	5.	10.	4340.

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

EPA Water Quality Criteria Analysis for Station: ARCH0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	31	1	0.03	6	0	0.00	15	0	0.00	6	1	0.17	4	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	3	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00
00400	PH	Fresh Chronic	9.	20	0	0.00	3	0	0.00	10	0	0.00	5	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	20	0	0.00	3	0	0.00	10	0	0.00	5	0	0.00	2	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	24	1	0.04	4	0	0.00	10	1	0.10	6	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	24	1	0.04	4	0	0.00	10	0	0.00	6	1	0.17	4	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	17	0	0.00	2	0	0.00	10	0	0.00	3	0	0.00	2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	18	0	0.00	3	0	0.00	10	0	0.00	3	0	0.00	2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	4	0	0.00	10	0	0.00	3	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	10	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	31	0	0.00	6	0	0.00	15	0	0.00	6	0	0.00	4	0	0.00
		Drinking Water	250.	31	0	0.00	6	0	0.00	15	0	0.00	6	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: ARCH0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	31	0	0.00	6	0	0.00	15	0	0.00	6	0	0.00	4	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	18	0	0.00	3	0	0.00	10	0	0.00	3	0	0.00	2	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	50.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	5.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	17	0	0.00	2	0	0.00	10	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	100.	17	0	0.00	2	0	0.00	10	0	0.00	3	0	0.00	2	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	1300.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	15.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	100.	8	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	19 &	0	0.00	3	0	0.00	8	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	100.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	5000.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
		Drinking Water	50.	20	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
		Drinking Water	50.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	14	4	0.29	3	1	0.33	6	1	0.17	3	1	0.33	2	1	0.50
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	14	2	0.14	3	1	0.33	6	1	0.17	3	0	0.00	2	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	12	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	2.	12	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	11	0	0.00	3	0	0.00	6	0	0.00	2	0	0.00			
		Drinking Water	50.	11	0	0.00	3	0	0.00	6	0	0.00	2	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	11	0	0.00	3	0	0.00	6	0	0.00	2	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	10	1	0.10	2	0	0.00	6	1	0.17	2	0	0.00			
		Drinking Water	5.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	10	1	0.10	2	1	0.50	6	0	0.00	2	0	0.00			
		Drinking Water	1300.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
		Drinking Water	15.	10	1	0.10	2	0	0.00	6	1	0.17	2	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	16	0	0.00	3	0	0.00	9	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	2.	16	0	0.00	3	0	0.00	9	0	0.00	2	0	0.00	2	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
		Drinking Water	100.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	8 &	2	0.25	2	0	0.00	4	1	0.25	2	1	0.50			
		Drinking Water	100.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	11	1	0.09	3	0	0.00	6	1	0.17	2	0	0.00			
		Drinking Water	5000.	11	1	0.09	3	0	0.00	6	1	0.17	2	0	0.00			

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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/78-12/13/99	6	22.2	21.567	28.	15.	30.107	5.487	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/78-12/13/99	6	2.25	2.333	4.7	0.8	1.763	1.328	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/78-12/13/99	6	3.325	3.317	6.75	0.4	6.599	2.569	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/78-12/13/99	6	338.5	359.667	490.	320.	4133.867	64.295	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/78-12/13/99	6	317.5	324.333	352.	310.	299.467	17.305	**	**	**	**
00400	PH (STANDARD UNITS)	03/14/78-12/13/99	3	8.42	8.43	8.5	8.37	0.004	0.066	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/14/78-12/13/99	3	8.42	8.427	8.5	8.37	0.004	0.066	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/78-12/13/99	3	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	03/14/78-12/13/99	6	1.	1.	1.	1.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/16/79-12/13/99	4	8.45	8.375	8.5	8.1	0.036	0.189	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/16/79-12/13/99	4	8.447	8.341	8.5	8.1	0.037	0.193	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/16/79-12/13/99	4	0.004	0.005	0.008	0.003	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	6	145.5	146.167	156.	139.	33.367	5.776	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/14/78-12/13/99	6	175.	175.	190.	158.	110.	10.488	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/13/79-12/13/99	4	2.	2.5	6.	0.	9.	3.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/14/78-12/13/99	6	3.	6.617	25.	0.	87.282	9.342	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-12/13/99	4	0.175	0.413	1.2	0.1	0.277	0.527	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/79-12/13/99	4 ##	0.015	0.273	1.05	0.01	0.269	0.518	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	6	160.5	160.983	170.6	152.	73.13	8.552	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/78-12/13/99	6	35.	34.833	35.6	34.	0.471	0.686	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/78-12/13/99	6	18.5	18.133	20.	16.	3.227	1.796	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/78-12/13/99	6	7.94	7.785	9.	6.	0.953	0.976	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/78-12/13/99	6	2.	2.137	3.	1.82	0.184	0.429	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/78-12/13/99	6	6.	6.25	7.	5.5	0.375	0.612	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/78-12/13/99	6	20.	20.767	29.	13.7	24.155	4.915	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/80-12/13/99	3 ##	2.5	2.	2.5	1.	0.75	0.866	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/10/80-12/13/99	3	180.	123.35	190.	0.05	11427.168	106.898	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/80-12/13/99	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/80-12/13/99	3 ##	2.5	3.333	5.	2.5	2.083	1.443	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/80-12/13/99	3 ##	6.	9.	15.	6.	27.	5.196	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/14/78-12/13/99	3 ##	10.	23.333	50.	10.	533.333	23.094	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/80-12/13/99	3 ##	1.5	2.667	5.	1.5	4.083	2.021	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/80-12/13/99	3	18.	21.	40.	5.	313.	17.692	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/10/80-12/13/99	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/80-12/13/99	3 ##	15.	10.833	15.	2.5	52.083	7.217	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/80-12/13/99	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/78-12/13/99	6	187.5	191.167	228.	174.	400.167	20.004	**	**	**	**

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/78-12/13/99	15	6.5	7.153	12.	1.	13.354	3.654	1.3	4.1	10.5	12.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/78-12/13/99	12	3.2	3.242	6.	1.	1.883	1.372	1.15	2.5	3.875	5.7
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/78-12/13/99	15	0.5	0.991	3.8	0.33	1.27	1.127	0.335	0.4	0.6	3.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/78-12/13/99	15	351.	596.533	3300.	322.	570775.124	755.497	326.8	340.	590.	1695.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/78-12/13/99	15	344.	346.467	370.	327.	185.552	13.622	328.8	335.	360.	370.
00400	PH (STANDARD UNITS)	03/14/78-12/13/99	10	8.41	8.43	8.7	8.1	0.04	0.199	8.112	8.28	8.62	8.692
00400	CONVERTED PH (STANDARD UNITS)	03/14/78-12/13/99	10	8.41	8.389	8.7	8.1	0.042	0.204	8.112	8.28	8.62	8.692
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/78-12/13/99	10	0.004	0.004	0.008	0.002	0.	0.002	0.002	0.002	0.005	0.008
00405	CARBON DIOXIDE (MG/L AS CO2)	03/14/78-12/13/99	15	1.	1.333	2.	1.	0.238	0.488	1.	1.	2.	2.
00406	PH, FIELD, STANDARD UNITS SU	01/16/79-12/13/99	10	8.65	8.48	9.1	7.6	0.226	0.476	7.63	8.05	8.825	9.08
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/16/79-12/13/99	10	8.647	8.223	9.1	7.6	0.299	0.547	7.63	8.05	8.825	9.08
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/16/79-12/13/99	10	0.002	0.006	0.025	0.001	0.	0.008	0.001	0.002	0.009	0.024
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	15	151.	152.4	160.	143.	21.257	4.611	146.6	149.	157.	159.4
00440	BICARBONATE ION (MG/L AS HCO3)	03/14/78-12/13/99	15	182.	182.067	195.	170.	51.495	7.176	172.4	176.	186.	193.2

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00445	CARBONATE ION (MG/L AS CO3)	03/13/79-12/13/99	11	2.	2.545	6.	0.	7.273	2.697	0.	0.	6.	6.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/14/78-12/13/99	12 ##	2.	2.833	10.	0.	12.015	3.466	0.	0.375	2.375	10.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-12/13/99	10	0.2	0.266	0.85	0.15	0.043	0.208	0.151	0.19	0.25	0.79
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/79-12/13/99	13 ##	0.01	0.014	0.025	0.005	0.	0.007	0.005	0.009	0.02	0.025
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	15	172.	172.	184.	160.	50.209	7.086	160.3	168.	178.4	182.74
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/78-12/13/99	15	35.	35.513	37.3	33.	1.666	1.291	33.6	35.	37.	37.24
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/78-12/13/99	15	20.	20.04	22.	18.	1.354	1.164	18.6	19.	21.1	21.76
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/78-12/13/99	15	7.67	7.73	9.	7.	0.518	0.719	7.	7.	8.32	9.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/78-12/13/99	15	2.	1.741	2.	0.5	0.188	0.434	0.8	1.7	2.	2.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/78-12/13/99	15	7.	6.687	8.	5.	0.573	0.757	5.3	6.3	7.	7.7
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/78-12/13/99	15	24.	24.421	37.	14.12	38.547	6.209	15.248	21.3	29.	33.4
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/80-12/13/99	9 ##	2.5	1.889	2.5	0.5	0.674	0.821	0.5	1.	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/10/80-12/13/99	9	180.	162.222	200.	80.	1744.444	41.767	80.	125.	190.	200.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/80-12/13/99	9 ##	0.5	0.556	1.	0.5	0.028	0.167	0.5	0.5	0.5	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/80-12/13/99	9 ##	2.5	3.222	6.5	2.5	2.194	1.481	2.5	2.5	3.75	6.5
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/80-12/13/99	9 ##	6.	6.111	10.	5.	2.361	1.537	5.	5.	6.	10.
01046	IRON, DISSOLVED (UG/L AS FE)	03/14/78-12/13/99	9 ##	10.	24.667	50.	10.	376.	19.391	10.	10.	50.	50.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/80-12/13/99	9 ##	1.5	3.611	10.	1.5	8.611	2.934	1.5	1.5	5.	10.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/80-12/13/99	9	8.4	8.067	12.	5.	7.058	2.657	5.	5.	10.5	12.
01075	SILVER, DISSOLVED (UG/L AS AG)	01/10/80-12/13/99	9 ##	1.	1.444	5.	1.	1.778	1.333	1.	1.	1.	5.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/80-12/13/99	9 ##	15.	9.444	15.	2.5	43.403	6.588	2.5	2.5	15.	15.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/80-12/13/99	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/78-12/13/99	15	192.	192.733	214.	172.	116.352	10.787	175.6	188.	198.	211.6

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/78-12/13/99	6	14.2	15.267	23.	9.	24.255	4.925	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/78-12/13/99	5	5.	4.98	10.4	1.5	12.852	3.585	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/78-12/13/99	6	0.754	20.673	120.	0.2	2368.219	48.664	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/78-12/13/99	5	351.	431.2	660.	155.	46314.7	215.209	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/78-12/13/99	6	380.	412.333	769.	193.	36240.267	190.369	**	**	**	**
00400	PH (STANDARD UNITS)	03/14/78-12/13/99	5	8.29	8.348	8.7	8.05	0.085	0.292	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/14/78-12/13/99	5	8.29	8.276	8.7	8.05	0.092	0.303	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/78-12/13/99	5	0.005	0.005	0.009	0.002	0.	0.003	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	03/14/78-12/13/99	5	1.	1.8	4.	1.	1.7	1.304	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/16/79-12/13/99	6	8.	7.833	8.6	6.2	0.707	0.841	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/16/79-12/13/99	6	8.	6.951	8.6	6.2	1.64	1.281	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/16/79-12/13/99	6	0.01	0.112	0.631	0.003	0.065	0.254	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	6	158.5	158.667	243.	74.	2881.867	53.683	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/14/78-12/13/99	6	187.	187.333	296.	90.	4317.867	65.71	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/13/79-12/13/99	6	3.	3.	6.	0.	10.8	3.286	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/14/78-12/13/99	6	1.75	39.25	228.	0.	8552.575	92.48	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-12/13/99	3	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/79-12/13/99	6	0.035	0.052	0.159	0.02	0.003	0.053	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	6	186.	202.05	395.3	74.9	10967.619	104.726	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/78-12/13/99	6	38.9	46.3	104.	18.	879.5	29.656	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/78-12/13/99	6	21.05	20.9	33.	7.3	66.528	8.156	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/78-12/13/99	6	9.5	11.505	27.	3.1	66.461	8.152	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/78-12/13/99	6	2.	2.205	3.26	1.47	0.373	0.611	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/78-12/13/99	6	8.	8.75	18.	2.5	25.775	5.077	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/78-12/13/99	6	31.5	47.295	157.	11.42	2982.167	54.609	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/80-12/13/99	4 ##	2.5	2.125	2.5	1.	0.563	0.75	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/10/80-12/13/99	4	125.	123.	170.	72.	2422.667	49.221	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/80-12/13/99	4 ##	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 box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/80-12/13/99	4 ##	2.5	3.2	5.3	2.5	1.96	1.4	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/80-12/13/99	4 ##	6.	5.75	6.	5.	0.25	0.5	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/14/78-12/13/99	4	52.	58.475	106.	23.9	1181.969	34.38	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/80-12/13/99	4 ##	1.5	2.375	5.	1.5	3.063	1.75	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/80-12/13/99	4	12.7	55.1	190.	5.	8113.507	90.075	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/10/80-12/13/99	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/80-12/13/99	4 ##	15.	11.875	15.	2.5	39.063	6.25	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/80-12/13/99	4 ##	0.5	0.725	1.4	0.5	0.203	0.45	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/78-12/13/99	6	216.	243.333	486.	122.	15609.067	124.936	**	**	**	**

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Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/14/78-12/13/99	4	24.15	24.625	27.	23.2	2.723	1.65	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/14/78-12/13/99	4	1.75	1.738	3.2	0.25	1.826	1.351	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/14/78-12/13/99	4	2.245	2.567	5.4	0.376	4.483	2.117	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/14/78-12/13/99	4	328.	322.75	355.	280.	1070.25	32.715	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/14/78-12/13/99	4	327.	331.	360.	310.	444.	21.071	**	**	**	**
00400	PH (STANDARD UNITS)	03/14/78-12/13/99	2	8.59	8.59	8.72	8.46	0.034	0.184	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/14/78-12/13/99	2	8.571	8.571	8.72	8.46	0.035	0.186	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/14/78-12/13/99	2	0.003	0.003	0.003	0.002	0.	0.001	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	03/14/78-12/13/99	4	1.	0.875	1.	0.5	0.063	0.25	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	01/16/79-12/13/99	4	8.4	8.45	8.6	8.4	0.01	0.1	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/16/79-12/13/99	4	8.4	8.442	8.6	8.4	0.01	0.1	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/16/79-12/13/99	4	0.004	0.004	0.004	0.003	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	4	146.	147.5	156.	142.	38.333	6.191	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/14/78-12/13/99	4	173.5	173.75	176.	172.	2.917	1.708	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/13/79-12/13/99	4	2.	3.	8.	0.	14.667	3.83	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/14/78-12/13/99	4 ##	4.5	5.5	11.	2.	19.	4.359	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-12/13/99	2	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/79-12/13/99	4 ##	0.01	0.014	0.03	0.005	0.	0.011	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/14/78-12/13/99	4	164.05	165.475	176.	157.8	57.916	7.61	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/14/78-12/13/99	4	35.3	34.8	37.	31.6	7.12	2.668	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/14/78-12/13/99	4	19.35	19.175	20.	18.	0.723	0.85	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/14/78-12/13/99	4	7.86	7.89	9.	6.84	0.792	0.89	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/14/78-12/13/99	4	1.88	1.865	2.	1.7	0.025	0.158	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/14/78-12/13/99	4	7.	6.875	8.	5.5	1.729	1.315	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/14/78-12/13/99	4	24.4	24.	29.	18.2	21.36	4.622	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/10/80-12/13/99	4 ##	2.5	2.25	3.	1.	0.75	0.866	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/10/80-12/13/99	4	155.	155.	170.	140.	300.	17.321	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/10/80-12/13/99	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/10/80-12/13/99	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	01/10/80-12/13/99	4 ##	5.5	5.5	6.	5.	0.333	0.577	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/14/78-12/13/99	4 ##	36.2	33.1	50.	10.	406.44	20.16	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	01/10/80-12/13/99	4 ##	2.	2.625	5.	1.5	2.729	1.652	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/10/80-12/13/99	4 ##	5.	7.	13.	5.	16.	4.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	01/10/80-12/13/99	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/10/80-12/13/99	4 ##	8.75	8.75	15.	2.5	52.083	7.217	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/10/80-12/13/99	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/14/78-12/13/99	4	185.	183.5	200.	164.	251.667	15.864	**	**	**	**

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

Station Inventory for Station: ARCH0087

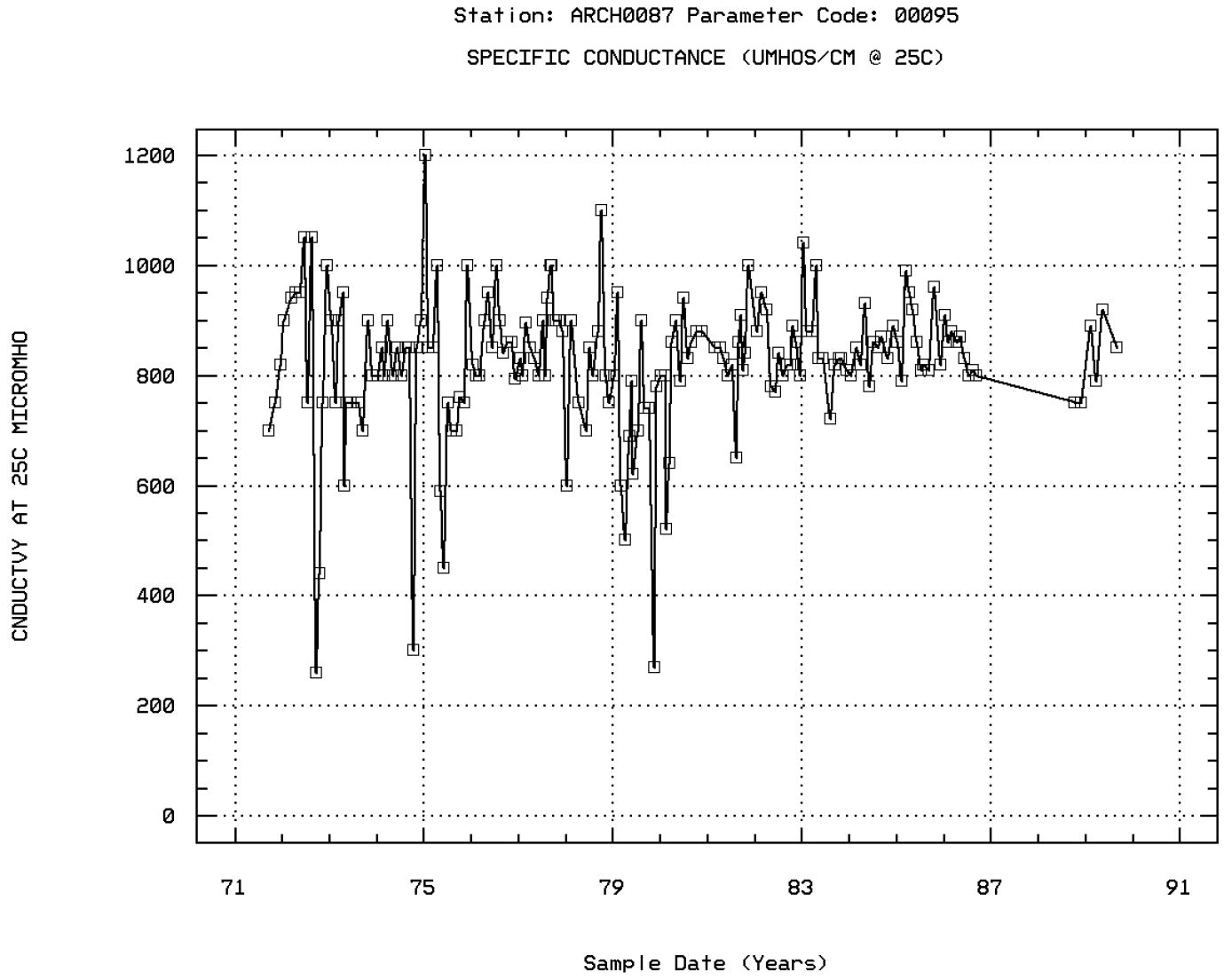
NPS Station ID: ARCH0087
LAT/LON: 38.612781/-109.579170
Agency: 112WRD
Date Created: / /
Location: COURTHOUSE WASH NEAR MOAB, UTAH
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 09183000
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 26.50
On/Off RF1:
RF3 Index: 14030005026906.40
RF3 Mile Point: 8.49
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	181	13.	13.42	32.	0.	81.787	9.044	0.	5.5	20.	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/84-08/31/89	7	14.	12.	26.5	-3.	133.917	11.572	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	09/20/71-09/11/74	34	0.25	2.185	41.	0.05	54.606	7.39	0.09	0.1	0.725	4.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	148	0.2	0.578	20.	0.01	3.031	1.741	0.08	0.1	0.6	1.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	181	830.	824.199	1200.	260.	16435.749	128.202	700.	790.	900.	950.

** - Less than 9 observations ## - 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. **********



COURTHOUSE WASH NEAR MOAB, UTAH

Annual Analysis for 1971 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	2	8.75	8.75	12.	5.5	21.125	4.596	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	3	750.	756.667	820.	700.	3633.333	60.277	**	**	**	**

** - 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 1972 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	11	19.	16.227	30.	0.	85.968	9.272	1.3	7.	22.	29.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	11	940.	821.818	1050.	260.	66056.364	257.014	296.	750.	1000.	1050.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	11	13.	14.364	30.	0.	101.205	10.06	0.	5.5	22.	29.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	11	750.	795.455	950.	600.	11227.273	105.959	620.	750.	900.	940.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	12	17.5	15.625	29.	0.	113.869	10.671	0.	3.375	24.5	28.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	3	0.2	0.167	0.2	0.1	0.003	0.058	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	12	850.	795.833	900.	300.	25662.879	160.196	450.	800.	850.	900.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	12	11.5	14.792	32.	0.	118.566	10.889	0.9	6.125	25.	32.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	12	0.25	0.468	2.	0.04	0.325	0.57	0.049	0.1	0.65	1.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	12	755.	800.	1200.	450.	39836.364	199.59	492.	700.	962.5	1140.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	12	17.5	15.333	32.	0.	125.652	11.209	0.	4.125	25.75	30.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	12	0.15	0.284	1.	0.02	0.109	0.331	0.029	0.073	0.375	0.97
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	12	855.	864.417	1000.	793.	4041.356	63.572	795.1	805.	900.	985.

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

Annual Analysis for 1977 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	15	19.	15.7	32.	0.	107.314	10.359	0.	5.	24.	30.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	15	0.1	0.383	3.	0.07	0.549	0.741	0.076	0.1	0.4	1.56
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	15	896.	881.8	1000.	800.	4229.171	65.032	800.	830.	900.	1000.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	10	15.5	13.45	25.	2.	69.914	8.361	2.1	5.25	20.25	24.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	10	0.1	0.404	2.	0.08	0.394	0.628	0.08	0.08	0.475	1.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	10	800.	813.	1100.	600.	18023.333	134.251	610.	737.5	885.	1080.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	13	11.5	10.462	25.	0.	83.103	9.116	0.	0.	19.	23.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	13	0.1	0.849	5.	0.08	2.395	1.548	0.08	0.09	1.1	4.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	13	740.	698.462	950.	270.	30964.103	175.966	362.	610.	795.	930.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	12	9.5	11.458	29.	0.	100.203	10.01	0.3	2.25	20.875	26.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	12	0.2	1.896	20.	0.01	32.578	5.708	0.025	0.085	0.45	14.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	12	845.	808.333	940.	520.	13978.788	118.232	556.	792.5	880.	928.

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

Annual Analysis for 1981 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	11	15.	16.136	30.	7.	49.605	7.043	7.1	10.	21.5	28.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	11	0.1	0.306	1.	0.07	0.128	0.358	0.076	0.1	0.4	1.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	11	840.	838.182	1000.	650.	7016.364	83.764	680.	810.	860.	982.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	12	11.	10.75	21.5	1.	36.977	6.081	1.9	5.125	14.	20.75
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	12	0.2	0.464	2.	0.08	0.314	0.56	0.083	0.1	0.675	1.67
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	12	830.	844.167	950.	770.	3208.333	56.642	773.	800.	887.5	941.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	12	10.	12.333	31.5	0.	85.652	9.255	1.2	5.625	19.75	28.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	12	0.4	0.575	2.	0.1	0.32	0.566	0.1	0.125	0.9	1.7
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	11	830.	860.909	1040.	720.	8009.091	89.494	738.	820.	880.	1032.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	10	12.5	12.	23.	0.	60.444	7.775	0.1	5.5	18.625	22.75
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	10	0.45	0.452	1.	0.04	0.121	0.347	0.044	0.095	0.75	0.99
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	10	850.	848.	930.	780.	1906.667	43.665	782.	815.	875.	926.

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

Annual Analysis for 1985 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	11	12.5	12.727	29.5	2.5	64.468	8.029	2.9	6.5	19.5	27.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	11	0.4	0.651	2.	0.08	0.519	0.721	0.08	0.1	0.8	2.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	11	860.	871.818	990.	790.	5016.364	70.826	794.	810.	950.	984.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	9	15.5	12.667	23.5	1.	63.75	7.984	1.	4.25	19.25	23.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	9	0.3	0.429	1.	0.08	0.141	0.375	0.08	0.09	0.8	1.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	9	860.	846.667	910.	800.	1500.	38.73	800.	805.	875.	910.

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

Annual Analysis for 1988 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	2	8.	8.	16.	0.	128.	11.314	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	2	750.	750.	750.	750.	0.	0.	**	**	**	**

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

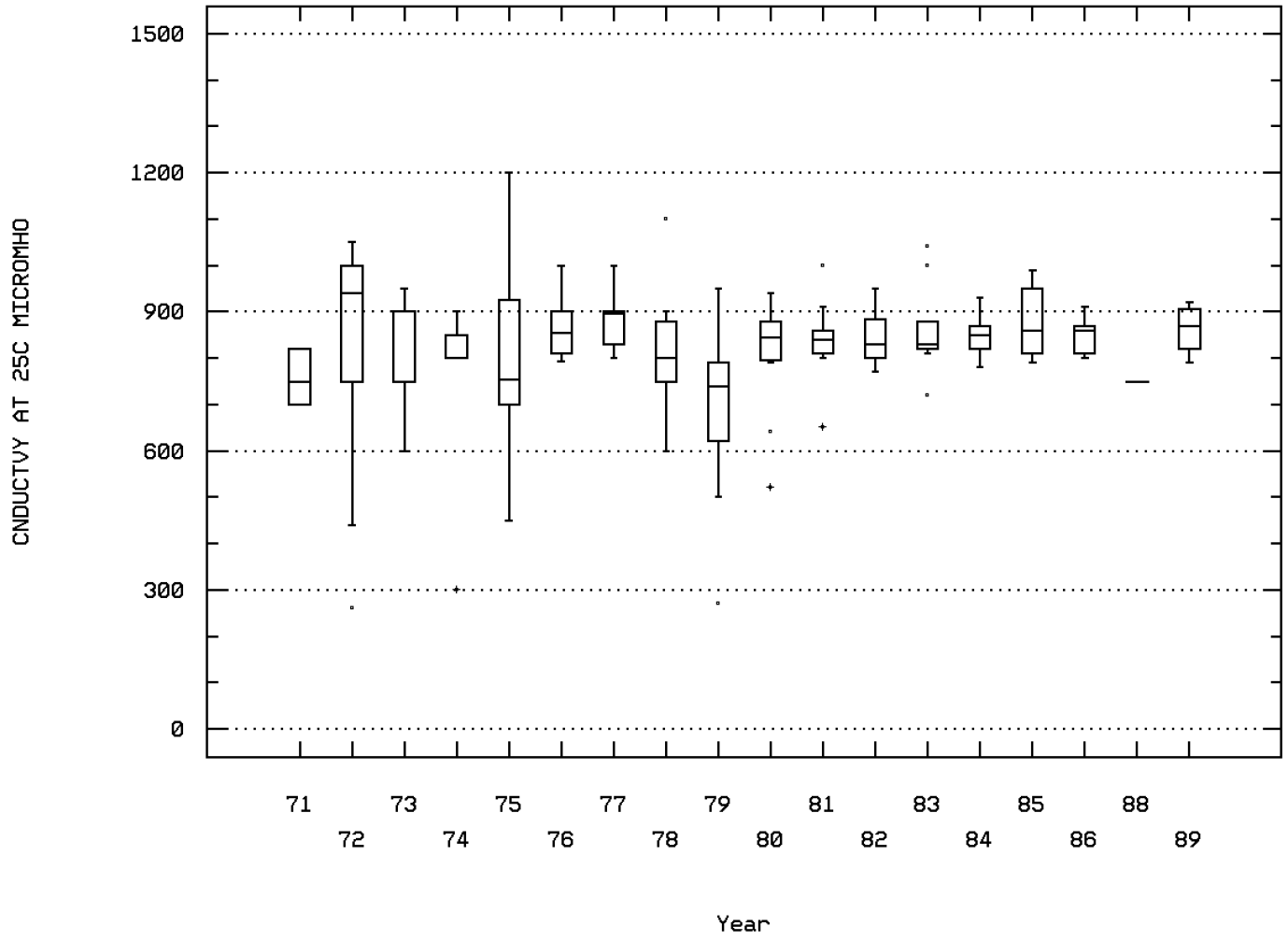
Annual Analysis for 1989 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	4	10.75	9.5	16.5	0.	50.833	7.13	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	4	0.2	0.22	0.4	0.08	0.024	0.156	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	4	870.	862.5	920.	790.	3158.333	56.199	**	**	**	**

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

Station: ARCH0087 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



COURTHOUSE WASH NEAR MOAB, UTAH

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	46	19.75	19.913	32.	9.	32.237	5.678	11.85	15.875	23.25	29.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	38	0.1	0.145	2.	0.02	0.097	0.311	0.069	0.08	0.1	0.11
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	47	820.	806.596	1100.	260.	20909.898	144.603	700.	750.	870.	952.

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	77	4.5	5.448	22.	0.	26.425	5.141	0.	0.	8.25	13.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	61	0.4	0.881	20.	0.04	6.503	2.55	0.1	0.2	0.9	1.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	77	850.	833.506	1200.	270.	15757.622	125.529	750.	800.	900.	952.

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	31	14.	16.048	30.	3.5	47.656	6.903	7.9	11.	22.	25.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	25	0.5	0.823	5.	0.08	1.104	1.051	0.1	0.2	1.	2.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	31	860.	841.613	1000.	500.	14360.645	119.836	618.	790.	930.	950.

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/09/71-08/31/89	27	20.5	22.074	32.	13.	29.379	5.42	15.2	18.	27.	30.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/11/74-08/31/89	24	0.095	0.24	3.	0.01	0.363	0.603	0.06	0.08	0.1	0.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/20/71-08/31/89	26	815.	807.692	1050.	450.	13218.462	114.972	676.	765.	852.5	958.

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

Station Inventory for Station: ARCH0088

NPS Station ID: ARCH0088 LAT/LON: 38.613031/-109.578670 Agency: 11NPSWRD Date Created: 08/07/99
Location: COURTHOUSE WASH POOL NEXT TO GAUGING STATION FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ARCH_BLM_CHWS
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT COURTHOUSE WASH AT THE POOL NEXT TO THE GAUGING STATION AND IS INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	31.1	31.1	31.1	31.1	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	832.	832.	832.	832.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	1	420.	420.	420.	420.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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: ARCH0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ARCH0089

NPS Station ID: ARCH0089 LAT/LON: 38.613000/-109.579167 Agency: 21UTAH Date Created: 12/22/90
Location: COURTHOUSE WASH .5MI AB COLORADO R AT USGS CW-1 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 599524
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 14030005025300.00 RF3 Mile Point: 6.60 Distance from RF3: 0.01 On/Off RF3:
Description:
WATER QUALITY STATION IS LOCATED IN ARCHES NP. THIS PARK IS MANAGED BY THE NATIONAL PARK SERVICE'S SOUTHEAST UTAH GROUP. WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENV QUALITY - DIVISION OF WATER QUALITY. DATA COLLECTED AT THE SAME LOCATION PRIOR TO 5/5/1990 CAN BE FOUND AT STATION ARCH_NPS_599524.

Parameter Inventory for Station: ARCH0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/90-12/08/99	21	16.1	14.86	24.7	4.16	43.548	6.599	5.02	7.85	20.745	23.92
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/29/90-12/08/99	21	15.6	17.157	29.	4.5	67.983	8.245	5.6	10.	26.	28.58
00058	FLOW, RATE GALLONS/MIN	08/29/97-08/16/99	7	40.	61.071	200.	17.5	3883.036	62.314	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/93-08/10/98	4 ##	0.5	0.638	1.5	0.05	0.376	0.613	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/29/90-12/08/99	23	22.2	31.925	117.	0.4	1417.283	37.647	1.86	4.1	42.	103.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/29/90-12/08/99	21	842.	858.429	1083.	570.	14362.657	119.844	699.6	792.	957.5	1005.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/90-12/08/99	23	889.	879.652	1070.	550.	12068.601	109.857	749.6	817.	948.	1013.2
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/29/90-12/08/99	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	08/29/90-12/08/99	20	8.05	8.309	15.2	3.	8.103	2.847	4.334	6.535	10.58	11.964
00400	PH (STANDARD UNITS)	08/29/90-12/08/99	23	8.25	8.176	8.53	7.3	0.068	0.261	7.94	8.	8.32	8.492
00400	CONVERTED PH (STANDARD UNITS)	08/29/90-12/08/99	23	8.25	8.071	8.53	7.3	0.079	0.282	7.94	8.	8.32	8.492
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/29/90-12/08/99	23	0.006	0.008	0.05	0.003	0.	0.009	0.003	0.005	0.01	0.012
00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/90-12/08/99	23	3.	3.217	21.	1.	15.996	4.	1.	2.	3.	4.
00406	PH, FIELD, STANDARD UNITS SU	08/29/90-12/08/99	21	8.1	7.979	8.5	6.7	0.175	0.418	7.2	7.94	8.2	8.46
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/29/90-12/08/99	21	8.1	7.667	8.5	6.7	0.277	0.526	7.2	7.94	8.2	8.46
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/29/90-12/08/99	21	0.008	0.022	0.2	0.003	0.002	0.044	0.004	0.006	0.012	0.069
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/90-12/08/99	23	195.	202.174	256.	143.	729.514	27.01	174.4	182.	227.	236.8
00440	BICARBONATE ION (MG/L AS HCO3)	08/29/90-12/08/99	23	238.	246.478	312.	174.	1076.534	32.811	212.8	222.	277.	288.4
00445	CARBONATE ION (MG/L AS CO3)	08/29/90-12/08/99	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/29/90-12/08/99	23	31.6	84.365	887.	1.5	33239.261	182.316	4.4	8.	78.4	174.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/29/90-04/24/99	21 ##	0.025	0.04	0.25	0.025	0.002	0.049	0.025	0.025	0.025	0.058
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/29/90-04/16/97	12	0.3	0.357	0.85	0.05	0.085	0.291	0.05	0.065	0.575	0.847
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/16/99-12/08/99	2	0.55	0.55	1.	0.1	0.405	0.636	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/29/90-04/24/99	21	0.025	0.042	0.264	0.005	0.003	0.058	0.006	0.01	0.05	0.114
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/29/90-12/08/99	23	0.02	0.034	0.166	0.005	0.001	0.038	0.005	0.01	0.045	0.09
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/05/91-04/24/99	18 ##	0.01	0.012	0.031	0.005	0.	0.008	0.005	0.005	0.018	0.025

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

Parameter Inventory for Station: ARCH0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/90-12/08/99	23	368.3	360.552	494.8	223.7	2878.177	53.649	283.6	327.8	386.6	418.3
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/90-12/08/99	23	84.	82.709	120.	53.2	206.108	14.356	62.96	74.9	91.	99.92
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/90-12/08/99	23	38.	37.474	47.5	22.1	25.758	5.075	30.	35.4	40.	42.66
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/90-12/08/99	23	59.2	58.378	84.	36.5	218.245	14.773	40.88	43.	71.	78.32
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/90-12/08/99	23	5.08	5.258	7.19	4.3	0.492	0.701	4.392	4.74	5.68	6.192
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/29/90-12/08/99	23	21.	24.039	70.5	6.9	142.864	11.953	15.1	19.5	25.5	37.2
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/29/90-12/08/99	23	257.95	278.072	1015.	135.	27851.855	166.889	183.46	213.	283.	312.248
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/93-12/08/99	14 ##	2.5	2.75	6.	2.5	0.875	0.935	2.5	2.5	2.5	4.25
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/01/93-12/08/99	14	130.	135.714	220.	87.	1670.527	40.872	89.5	107.5	162.75	215.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/93-12/08/99	14 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/93-12/08/99	14 ##	2.5	3.971	16.	2.5	13.765	3.71	2.5	2.5	3.15	11.5
01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/93-12/08/99	14 ##	6.	13.071	65.	6.	287.148	16.945	6.	6.	10.5	50.5
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/93-12/08/99	14 ##	10.	28.65	138.	10.	1724.017	41.521	10.	10.	24.425	125.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/93-12/08/99	14 ##	1.5	2.179	7.1	1.5	3.086	1.757	1.5	1.5	1.5	6.25
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/93-12/08/99	14	36.5	75.457	410.	5.	11418.367	106.857	7.05	17.575	75.5	295.
01075	SILVER, DISSOLVED (UG/L AS AG)	10/01/93-12/08/99	14 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/93-12/08/99	14 ##	15.	18.214	60.	15.	144.643	12.027	15.	15.	15.	37.5
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/05/96-12/08/99	13 ##	15.	84.846	490.	15.	20014.641	141.473	15.	15.	84.5	402.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/93-12/08/99	14 ##	0.5	0.564	1.4	0.5	0.058	0.241	0.5	0.5	0.5	0.95
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/29/90-04/11/93	5 ##	2.5	2.1	2.5	0.5	0.8	0.894	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/17/91-12/08/99	21	404.	425.048	1181.	235.	33356.248	182.637	305.6	352.5	424.5	481.2
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/17/91-12/08/99	21	187.	184.333	241.	120.	775.033	27.839	149.2	168.5	204.	218.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/29/90-12/08/99	23	606.	614.261	882.	368.	8804.111	93.83	492.	582.	656.	692.8
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/93-12/08/99	14 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/29/90-04/11/93	5	0.13	0.144	0.2	0.1	0.001	0.038	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/29/90-04/11/93	5	0.047	0.111	0.39	0.015	0.025	0.157	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5 ##	2.5	2.3	2.5	1.5	0.2	0.447	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5	39.	44.6	90.	15.	833.3	28.867	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/90-04/11/93	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	23	5	0.22	9	2	0.22	6	1	0.17	8	2	0.25			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	1	0.05	7	0	0.00	6	0	0.00	7	1	0.14			
00400	PH	Fresh Chronic	9.	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	21	0	0.00	8	0	0.00	6	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	21	0	0.00	8	0	0.00	6	0	0.00	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	21	0	0.00	8	0	0.00	5	0	0.00	8	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
		Drinking Water	250.	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	23	13	0.57	9	4	0.44	6	3	0.50	8	6	0.75			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	50.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	5.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	14	2	0.14	5	0	0.00	5	1	0.20	4	1	0.25			
		Drinking Water	1300.	14	0	0.00	5	0	0.00	5	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: ARCH0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	15.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	100.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	5000.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	50.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	2.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	2.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ARCH0090

NPS Station ID: ARCH0090 LAT/LON: 38.613031/-109.578670 Agency: 11NPSWRD Date Created: 05/22/99
Location: COURTHOUSE WASH .5 MI AB COLORADO R AT USGS FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ARCH_NPS_599524/CW1 /599524
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. COURTHOUSE WASH IS A PERENNIAL STREAM AND IS LOCATED INSIDE THE ARCHES NATIONAL PARK BOUNDARY. THE SAMPLES WERE COLLECTED AND ANALYZED BY NATIONAL PARK SERVICE PERSONNEL. THE MONITORING BEGAN IN RESPONSE TO A PROPOSED SITING OF A NUCLEAR WASTE REPOSITORY NEAR THE PARK AS STATED BY B. LONG AND R. SMITH IN THE REPORT "WATER QUALITY DATA ANALYSIS AND INTERPRETATION FOR SPRING MONITORING SITES SOUTHEAST UTAH GROUP" (AUGUST 1996). THE INITIAL MONITORING OBJECTIVES WERE TO ESTABLISH A BASELINE DATABASE; DETECT POTENTIAL CHANGES; AND IDENTIFY AREAS OF CONCERN. THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYZED THE SAMPLES IN A COOPERATIVE EFFORT WITH THE PARK SERVICE BEGINNING 8/29/1990. THESE DATA CAN BE FOUND UNDER THE STATION 599524. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/84-05/05/90	13	22.8	18.4	34.3	0.3	151.142	12.294	0.78	3.7	28.	33.5
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/05/90-05/05/90	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/27/84-05/05/90	13	840.	823.077	1080.	546.	17513.077	132.337	578.8	776.5	904.5	1014.
00300	OXYGEN, DISSOLVED MG/L	12/27/84-05/05/90	12	7.85	8.317	11.6	6.3	3.231	1.797	6.33	6.825	9.775	11.27
00400	PH (STANDARD UNITS)	12/27/84-05/05/90	11	8.1	7.899	8.8	6.	0.73	0.854	6.1	8.	8.35	8.73
00400	CONVERTED PH (STANDARD UNITS)	12/27/84-05/05/90	11	8.1	6.904	8.8	6.	1.819	1.349	6.1	8.	8.35	8.73
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/84-05/05/90	11	0.008	0.125	1.	0.002	0.093	0.305	0.002	0.004	0.01	0.863
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/84-05/05/90	13	160.	144.038	205.	8.5	4124.853	64.225	11.9	130.	200.	203.
00480	SALINITY - PARTS PER THOUSAND	05/05/90-05/05/90	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/03/85-05/05/90	10 ##	0.05	0.118	0.58	0.05	0.029	0.169	0.05	0.05	0.088	0.542
00655	PHOSPHATE, POLY (MG/L AS PO4)	01/03/85-05/05/90	11	1.1	1.573	4.5	0.3	1.628	1.276	0.32	0.75	2.75	4.16
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/84-05/05/90	13	342.	357.308	581.	205.	11510.231	107.286	207.	287.	432.5	540.2
00940	CHLORIDE,TOTAL IN WATER MG/L	01/03/85-05/05/90	9	152.	186.944	515.	0.5	29459.528	171.638	0.5	53.	318.	515.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/84-05/05/90	12	119.5	147.583	316.	48.	8192.265	90.511	54.	77.	199.	311.2
01042	COPPER, TOTAL (UG/L AS CU)	01/03/85-05/05/90	10 ##	50.	57.	120.	50.	490.	22.136	50.	50.	50.	113.
01045	IRON, TOTAL (UG/L AS FE)	12/27/84-05/05/90	11 ##	50.	74.545	230.	50.	3387.273	58.2	50.	50.	50.	212.
01055	MANGANESE, TOTAL (UG/L AS MN)	12/27/84-05/05/90	12	200.	250.	500.	50.	25527.273	159.773	50.	80.	400.	470.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/27/84-05/05/90	10	82.5	271.6	1800.	0.	299913.378	547.643	0.	4.5	257.5	1648.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/27/84-05/05/90	10	1.88	1.612	3.255	0.	1.198	1.095	0.	0.584	2.41	3.174

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

Parameter Inventory for Station: ARCH0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			40.882								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/23/86-05/05/90	7 ##	0.	197.714	800.	0.	117129.905	342.242	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/23/86-05/05/90	7 ##	0.	0.896	2.903	0.	1.802	1.342	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.862								

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: ARCH0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	11	2	0.18	4	1	0.25	2	1	0.50	5	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	9	0	0.00	3	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	250.	9	2	0.22	3	1	0.33	2	0	0.00	4	1	0.25			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	12	2	0.17	4	0	0.00	3	0	0.00	5	2	0.40			
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00							1	1	1.00			
		Drinking Water	1300.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	10	1	0.10	3	0	0.00	3	1	0.33	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	2	0.29	2	1	0.50	1	0	0.00	4	1	0.25			

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

Station Inventory for Station: ARCH0091

NPS Station ID: ARCH0091
LAT/LON: 38.617476/-109.550031
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE TF-4
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_TF4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE TF-4 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0091

Parameter		Period of Record	Obs		Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2		0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-07/30/89	3		28.8	29.567	35.9	24.	35.843	5.987	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2		87.	87.	94.	80.	98.	9.899	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-07/30/89	3		8.28	8.037	8.64	7.19	0.57	0.755	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-07/30/89	3		8.28	7.619	8.64	7.19	0.832	0.912	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-07/30/89	3		0.005	0.024	0.065	0.002	0.001	0.035	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-07/30/89	3		21.	22.667	30.	17.	44.333	6.658	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-09/22/88	2		0.85	0.85	1.5	0.2	0.845	0.919	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-09/22/88	2		11.2	11.2	13.7	8.7	12.5	3.536	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2	##	1525.	1525.	2600.	450.	2311250.	1520.28	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2		1960.	1960.	3000.	920.	2163200.	1470.782	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-09/22/88	2		1.2	1.2	1.4	1.	0.08	0.283	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-09/22/88	2		1.2	1.2	1.4	1.	0.08	0.283	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2		1235.	1235.	1590.	880.	252050.	502.046	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-09/22/88	2		1.6	1.6	2.	1.2	0.32	0.566	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-09/22/88	2		1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-09/22/88	2		17.5	17.5	23.	12.	60.5	7.778	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-09/22/88	2		0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-09/22/88	2	##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2		3.3	3.3	4.7	1.9	3.92	1.98	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-09/22/88	2		74.5	74.5	100.	49.	1300.5	36.062	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2		340.5	340.5	341.	340.	0.5	0.707	**	**	**	**

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

Parameter Inventory for Station: ARCH0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-09/22/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-09/22/88	2 ##	55.	55.	60.	50.	50.	7.071	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	17.8	17.8	21.9	13.7	33.62	5.798	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-09/22/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	2.345	2.345	3.27	1.42	1.711	1.308	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-09/22/88	2 ##	50.25	50.25	100.	0.5	4950.125	70.357	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	45.	45.	55.	35.	200.	14.142	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-09/22/88	2	2920.	2920.	5000.	840.	8652800.	2941.564	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-09/22/88	2 ##	5.25	5.25	10.	0.5	45.125	6.718	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	94.5	94.5	164.	25.	9660.5	98.288	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-09/22/88	2	74.	74.	100.	48.	1352.	36.77	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2	1.5	1.5	2.4	0.6	1.62	1.273	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-09/22/88	2 ##	500.25	500.25	1000.	0.5	499500.125	706.753	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.675	0.675	0.9	0.45	0.101	0.318	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-09/22/88	2	315.	315.	500.	130.	68450.	261.63	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	55.	55.	75.	35.	800.	28.284	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	18.35	18.35	27.5	9.2	167.445	12.94	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	33.5	33.5	41.	26.	112.5	10.607	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.3	1.3	1.74	0.86	0.387	0.622	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-09/22/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-09/22/88	2 ##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.05	1.05	1.3	0.8	0.125	0.354	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1110.	1110.	1500.	720.	304200.	551.543	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2	0.725	0.725	0.85	0.6	0.031	0.177	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	205.	205.	220.	190.	450.	21.213	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	9.65	9.65	12.6	6.7	17.405	4.172	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	3.825	3.825	5.52	2.13	5.746	2.397	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.765	2.765	3.7	1.83	1.748	1.322	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.675	0.675	0.92	0.43	0.12	0.346	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.14	2.14	2.45	1.83	0.192	0.438	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-09/22/88	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.745	1.745	2.9	0.59	2.668	1.633	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	20.	20.	20.	20.	0.	0.	**	**	**	**

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Parameter Inventory for Station: ARCH0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.145	2.145	2.79	1.5	0.832	0.912	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	20.3	20.3	26.8	13.8	84.5	9.192	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.46	0.46	0.61	0.31	0.045	0.212	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.3	4.3	5.	3.6	0.98	0.99	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	37.5	37.5	45.	30.	112.5	10.607	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.8	4.8	4.9	4.7	0.02	0.141	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.	3.	4.	2.	2.	1.414	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	7.1	7.1	9.	5.2	7.22	2.687	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	158.5	158.5	193.	124.	2380.5	48.79	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	66.	66.	77.	55.	242.	15.556	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	237.	237.	340.	134.	21218.	145.664	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-09/22/88	2 ##	0.005	0.005	0.01	0.001	0.	0.007	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-09/22/88	2 ##	0.1	0.1	0.15	0.05	0.005	0.071	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	2.72	2.72	3.8	1.64	2.333	1.527	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-09/22/88	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.003	0.001	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	945.	945.	1170.	720.	101250.	318.198	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	2820.	2820.	3750.	1890.	1729800.	1315.219	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-09/22/88	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	280.	280.	340.	220.	7200.	84.853	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.91	1.91	2.7	1.12	1.248	1.117	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-09/22/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.6	1.6	2.08	1.12	0.461	0.679	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	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									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	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.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	1	0.50	2	1	0.50									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	1	0.50	2	1	0.50									
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	2	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

EPA Water Quality Criteria Analysis for Station: ARCH0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	1	0.50	2	1	0.50									
		Drinking Water	50.	2	1	0.50	2	1	0.50									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: ARCH0092

NPS Station ID: ARCH0092
LAT/LON: 38.617476/-109.550031
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE TF-7
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_TF7
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE TF-7 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	6	28.65	29.233	35.6	25.3	12.915	3.594	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2	91.	91.	99.	83.	128.	11.314	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	6	8.8	8.238	9.07	6.79	1.155	1.075	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	6	8.8	7.324	9.07	6.79	2.158	1.469	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	6	0.002	0.047	0.162	0.001	0.005	0.073	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	6	30.	32.833	47.	21.	80.567	8.976	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	3 ##	0.1	0.267	0.6	0.1	0.083	0.289	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	3	13.	12.9	13.	12.7	0.03	0.173	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2	1995.	1995.	3400.	590.	3948050.	1986.97	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	1180.	1180.	1600.	760.	352800.	593.97	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	3	1.1	1.133	1.3	1.	0.023	0.153	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	3	1.1	1.167	1.4	1.	0.043	0.208	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	950.	950.	1200.	700.	125000.	353.553	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	3	1.3	1.5	2.2	1.	0.39	0.624	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	3	14.	13.667	14.	13.	0.333	0.577	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	3	0.2	0.233	0.3	0.2	0.003	0.058	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	2.41	2.41	3.3	1.52	1.584	1.259	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	3	75.	75.	100.	50.	625.	25.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	297.5	297.5	305.	290.	112.5	10.607	**	**	**	**

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Parameter Inventory for Station: ARCH0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	3 ##	50.	50.333	51.	50.	0.333	0.577	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	10.7	10.7	12.4	9.	5.78	2.404	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	1.34	1.34	1.79	0.89	0.405	0.636	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	3 ##	5.	5.167	10.	0.5	22.583	4.752	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	42.5	42.5	50.	35.	112.5	10.607	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	3 ##	250.	1766.667	5000.	50.	7850833.333	2801.934	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	3 ##	0.5	2.	5.	0.5	6.75	2.598	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	138.5	138.5	251.	26.	25312.5	159.099	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	3	155.	258.333	500.	120.	44108.333	210.02	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	17.5	17.5	25.	10.	112.5	10.607	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	3 ##	0.5	33.667	100.	0.5	3300.083	57.446	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.575	0.575	0.6	0.55	0.001	0.035	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	3	160.	263.	500.	129.	42367.	205.832	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2	89.5	89.5	120.	59.	1860.5	43.134	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	11.7	11.7	14.7	8.7	18.	4.243	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	16.5	16.5	20.	13.	24.5	4.95	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	0.955	0.955	1.1	0.81	0.042	0.205	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	0.65	0.65	0.7	0.6	0.005	0.071	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	795.	795.	860.	730.	8450.	91.924	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.6	0.6	0.7	0.5	0.02	0.141	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	100.5	100.5	121.	80.	840.5	28.991	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	6.35	6.35	8.2	4.5	6.845	2.616	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	1.135	1.135	1.39	0.88	0.13	0.361	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.19	2.19	2.48	1.9	0.168	0.41	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.41	0.41	0.53	0.29	0.029	0.17	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.915	1.915	2.11	1.72	0.076	0.276	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.665	1.665	2.8	0.53	2.576	1.605	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	52.	52.	94.	10.	3528.	59.397	**	**	**	**

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Parameter Inventory for Station: ARCH0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.355	1.355	1.53	1.18	0.061	0.247	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	12.2	12.2	14.9	9.5	14.58	3.818	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.295	0.295	0.37	0.22	0.011	0.106	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.5	4.5	5.7	3.3	2.88	1.697	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	37.5	37.5	50.	25.	312.5	17.678	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.92	2.92	2.94	2.9	0.001	0.028	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	2.5	2.5	3.5	1.5	2.	1.414	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.45	4.45	6.4	2.5	7.605	2.758	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	105.	105.	117.	93.	288.	16.971	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	50.	50.	52.	48.	8.	2.828	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	143.5	143.5	190.	97.	4324.5	65.761	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.05	0.06	0.08	0.05	0.	0.017	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	1.535	1.535	2.02	1.05	0.47	0.686	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	670.	670.	810.	530.	39200.	197.99	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	1685.	1685.	2100.	1270.	344450.	586.899	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	170.	170.	220.	120.	5000.	70.711	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.23	1.23	1.75	0.71	0.541	0.735	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2 ##	0.925	0.925	1.15	0.7	0.101	0.318	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	6	2	0.33	5	2	0.40							1	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	5	0	0.00							1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	3	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	3	0	0.00									
		Drinking Water	4.	0 &	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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
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									
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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	1	0.33	3	1	0.33									
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	3	0	0.00									
		Drinking Water	6.	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: ARCH0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	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: ARCH0093

NPS Station ID: ARCH0093
LAT/LON: 38.617476/-109.550031
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE TF-2
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_TF2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE TF-2 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	6	28.55	28.65	34.	24.5	10.083	3.175	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2	88.	88.	98.	78.	200.	14.142	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	6	7.41	7.878	9.62	6.63	1.252	1.119	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	6	7.406	7.223	9.62	6.63	1.768	1.33	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	6	0.039	0.06	0.234	0.	0.008	0.088	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	6	26.	25.833	30.	21.	14.567	3.817	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	3	0.8	0.933	1.5	0.5	0.263	0.513	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	3	9.5	11.067	14.7	9.	9.963	3.156	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	875.	875.	1350.	400.	451250.	671.751	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	1020.	1020.	1050.	990.	1800.	42.426	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	3	1.	1.033	1.2	0.9	0.023	0.153	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	3	1.1	1.133	1.3	1.	0.023	0.153	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	685.	685.	750.	620.	8450.	91.924	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	3	1.3	1.267	1.5	1.	0.063	0.252	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	3	20.	17.667	21.	12.	24.333	4.933	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	3	0.3	0.267	0.4	0.1	0.023	0.153	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	2.115	2.115	2.6	1.63	0.47	0.686	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	3	70.	60.	100.	10.	2100.	45.826	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	262.	262.	268.	256.	72.	8.485	**	**	**	**

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

Parameter Inventory for Station: ARCH0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	3 ##	50.	47.333	50.	42.	21.333	4.619	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	11.05	11.05	12.5	9.6	4.205	2.051	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	1.255	1.255	1.37	1.14	0.026	0.163	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	3 ##	0.5	33.667	100.	0.5	3300.083	57.446	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	37.5	37.5	40.	35.	12.5	3.536	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	3	400.	1883.333	5000.	250.	7290833.333	2700.154	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	3 ##	0.5	3.667	10.	0.5	30.083	5.485	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	101.5	101.5	169.	34.	9112.5	95.459	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	3	87.	85.667	100.	70.	226.333	15.044	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	11.2	11.2	20.	2.4	154.88	12.445	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	3 ##	0.5	33.667	100.	0.5	3300.083	57.446	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	3	190.	276.667	500.	140.	38033.333	195.021	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	51.	51.	52.	50.	2.	1.414	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	10.35	10.35	10.7	10.	0.245	0.495	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	17.	17.	17.	17.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	0.81	0.81	0.9	0.72	0.016	0.127	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	3 ##	5.	20.	50.	5.	675.	25.981	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	600.	600.	610.	590.	200.	14.142	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.525	0.525	0.55	0.5	0.001	0.035	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	119.	119.	140.	98.	882.	29.698	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	5.5	5.5	6.1	4.9	0.72	0.849	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	1.6	1.6	1.85	1.35	0.125	0.354	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.865	1.865	1.88	1.85	0.	0.021	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.355	0.355	0.39	0.32	0.002	0.049	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.65	1.65	1.75	1.55	0.02	0.141	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.05	1.05	1.28	0.82	0.106	0.325	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	19.5	19.5	24.	15.	40.5	6.364	**	**	**	**

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Parameter Inventory for Station: ARCH0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.205	1.205	1.22	1.19	0.	0.021	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	10.55	10.55	11.5	9.6	1.805	1.344	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.275	0.275	0.29	0.26	0.	0.021	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	3.3	3.3	3.8	2.8	0.5	0.707	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	32.5	32.5	40.	25.	112.5	10.607	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.75	2.75	3.	2.5	0.125	0.354	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	2.25	2.25	3.	1.5	1.125	1.061	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.4	3.4	4.8	2.	3.92	1.98	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	85.	85.	86.	84.	2.	1.414	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	44.5	44.5	45.	44.	0.5	0.707	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	116.	116.	122.	110.	72.	8.485	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.05	0.073	0.12	0.05	0.002	0.04	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	1.31	1.31	1.37	1.25	0.007	0.085	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	565.	565.	620.	510.	6050.	77.782	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	1515.	1515.	1610.	1420.	18050.	134.35	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	138.	138.	148.	128.	200.	14.142	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.035	1.035	1.26	0.81	0.101	0.318	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2 ##	0.825	0.825	0.9	0.75	0.011	0.106	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	6	1	0.17	5	1	0.20							1	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	5	0	0.00							1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	3	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	3	0	0.00									
		Drinking Water	4.	0 &	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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33	3	1	0.33									
		Drinking Water	1300.	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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	1	0.33	3	1	0.33									
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	3	0	0.00									
		Drinking Water	6.	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: ARCH0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	1	0.33	3	1	0.33									
		Drinking Water	50.	3	1	0.33	3	1	0.33									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	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: ARCH0094

NPS Station ID: ARCH0094
LAT/LON: 38.617476/-109.550031
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MF-9
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MF9
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MF-9 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/22/88-09/22/88	1	25.9	25.9	25.9	25.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/22/88-09/22/88	1	104.	104.	104.	104.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/22/88-09/22/88	1	8.92	8.92	8.92	8.92	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/22/88-09/22/88	1	8.92	8.92	8.92	8.92	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/22/88-09/22/88	1	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	09/22/88-09/22/88	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/22/88-09/22/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	09/22/88-09/22/88	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	09/22/88-09/22/88	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	09/22/88-09/22/88	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	09/22/88-09/22/88	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/22/88-09/22/88	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/22/88-09/22/88	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	09/22/88-09/22/88	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/22/88-09/22/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/22/88-09/22/88	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/22/88-09/22/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	09/22/88-09/22/88	1	65.	65.	65.	65.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/22/88-09/22/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	09/22/88-09/22/88	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: ARCH0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042	COPPER, TOTAL (UG/L AS CU)	09/22/88-09/22/88	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/22/88-09/22/88	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	09/22/88-09/22/88	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	09/22/88-09/22/88	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	09/22/88-09/22/88	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	09/22/88-09/22/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/22/88-09/22/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	09/22/88-09/22/88	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	09/22/88-09/22/88	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	09/22/88-09/22/88	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	09/22/88-09/22/88	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	09/22/88-09/22/88	1	1.	1.	1.	1.	0.	0.	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	09/22/88-09/22/88	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
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									

& - 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: ARCH0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
		Drinking Water	5.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	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									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	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									
01077	SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00	1	0	0.00									
		Drinking Water	6.	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									
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: ARCH0095

NPS Station ID: ARCH0095
LAT/LON: 38.617476/-109.550031
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE TF-11
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_TF11
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE TF-11 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	5	29.	27.98	33.9	21.8	19.922	4.463	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2	109.5	109.5	115.	104.	60.5	7.778	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	5	8.55	8.524	9.55	7.57	0.8	0.895	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	5	8.55	7.992	9.55	7.57	1.155	1.075	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	5	0.003	0.01	0.027	0.	0.	0.013	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	5	30.	30.8	43.	21.	69.7	8.349	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	3 ##	0.1	0.467	1.2	0.1	0.403	0.635	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	3	13.	13.733	18.2	10.	17.213	4.149	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	1775.	1775.	3100.	450.	3511250.	1873.833	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	1075.	1075.	1510.	640.	378450.	615.183	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	3	1.3	1.3	1.4	1.2	0.01	0.1	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	3	1.6	1.6	1.8	1.4	0.04	0.2	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	830.	830.	1120.	540.	168200.	410.122	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	3	1.5	1.5	1.9	1.1	0.16	0.4	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	3	3.	2.667	3.	2.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	3	20.	21.667	27.	18.	22.333	4.726	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	3	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	2.9	2.9	3.6	2.2	0.98	0.99	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	3	100.	66.833	100.	0.5	3300.083	57.446	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	321.	321.	350.	292.	1682.	41.012	**	**	**	**

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

Parameter Inventory for Station: ARCH0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	3 ##	50.	52.	56.	50.	12.	3.464	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	12.6	12.6	14.7	10.5	8.82	2.97	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	1.795	1.795	2.42	1.17	0.781	0.884	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	3 ##	0.5	3.667	10.	0.5	30.083	5.485	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	42.5	42.5	50.	35.	112.5	10.607	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	3 ##	250.	1766.667	5000.	50.	7850833.333	2801.934	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	132.5	132.5	181.	84.	4704.5	68.589	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	3	300.	260.	380.	100.	20800.	144.222	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	4.5	4.5	8.5	0.5	32.	5.657	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	3	100.	93.667	100.	81.	120.333	10.97	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.55	0.55	0.7	0.4	0.045	0.212	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	3	193.	287.667	500.	170.	33946.333	184.245	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	57.5	57.5	70.	45.	312.5	17.678	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	11.4	11.4	16.9	5.9	60.5	7.778	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	21.5	21.5	25.	18.	24.5	4.95	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	0.96	0.96	1.14	0.78	0.065	0.255	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	3 ##	5.	36.667	100.	5.	3008.333	54.848	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	0.75	0.75	0.9	0.6	0.045	0.212	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	800.	800.	1130.	470.	217800.	466.69	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.425	0.425	0.45	0.4	0.001	0.035	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	165.5	165.5	180.	151.	420.5	20.506	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	6.65	6.65	8.8	4.5	9.245	3.041	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	1.8	1.8	2.53	1.07	1.066	1.032	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.095	2.095	2.83	1.36	1.08	1.039	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.48	0.48	0.63	0.33	0.045	0.212	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.785	1.785	2.07	1.5	0.162	0.403	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.2	2.2	3.7	0.7	4.5	2.121	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	18.5	18.5	20.	17.	4.5	2.121	**	**	**	**

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Parameter Inventory for Station: ARCH0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.415	1.415	1.79	1.04	0.281	0.53	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	13.5	13.5	18.1	8.9	42.32	6.505	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.305	0.305	0.41	0.2	0.022	0.148	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.25	3.25	5.	1.5	6.125	2.475	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	35.	35.	40.	30.	50.	7.071	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	3.895	3.895	4.22	3.57	0.211	0.46	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.25	3.25	4.	2.5	1.125	1.061	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.65	4.65	7.3	2.	14.045	3.748	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	111.5	111.5	130.	93.	684.5	26.163	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	52.	52.	61.	43.	162.	12.728	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	166.	166.	220.	112.	5832.	76.368	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.05	0.103	0.21	0.05	0.009	0.092	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	1.78	1.78	2.53	1.03	1.125	1.061	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.002	0.001	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	770.	770.	940.	600.	57800.	240.416	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	1870.	1870.	2530.	1210.	871200.	933.381	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	200.5	200.5	250.	151.	4900.5	70.004	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.24	1.24	1.74	0.74	0.5	0.707	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.145	1.145	1.61	0.68	0.432	0.658	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	5	2	0.40	4	2	0.50							1	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	4	0	0.00							1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	3	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	3	0	0.00									
		Drinking Water	4.	0 &	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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
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									
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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	2	0.67	3	2	0.67									
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	3	0	0.00									
		Drinking Water	6.	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: ARCH0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	1	0.33	3	1	0.33									
		Drinking Water	50.	3	1	0.33	3	1	0.33									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	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: ARCH0096

NPS Station ID: ARCH0096
LAT/LON: 38.617476/-109.550031
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MF-5
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MF5
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MF-5 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	3	30.5	30.8	32.5	29.4	2.47	1.572	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-08/21/88	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	3	7.9	8.167	8.83	7.77	0.334	0.578	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	3	7.9	7.985	8.83	7.77	0.384	0.619	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	3	0.013	0.01	0.017	0.001	0.	0.008	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	3	26.	23.	26.	17.	27.	5.196	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	2	8.45	8.45	8.9	8.	0.405	0.636	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	450.	450.	550.	350.	20000.	141.421	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	1035.	1035.	1440.	630.	328050.	572.756	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	2	1.2	1.2	1.5	0.9	0.18	0.424	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	730.	730.	800.	660.	9800.	98.995	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	2	1.8	1.8	1.9	1.7	0.02	0.141	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	2.25	2.25	2.6	1.9	0.245	0.495	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	2	100.	100.	100.	100.	0.	0.	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	325.	325.	340.	310.	450.	21.213	**	**	**	**

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

Parameter Inventory for Station: ARCH0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	11.7	11.7	12.8	10.6	2.42	1.556	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	1.3	1.3	1.38	1.22	0.013	0.113	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	2	100.	100.	100.	100.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	37.5	37.5	40.	35.	12.5	3.536	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	2	5250.	5250.	5500.	5000.	125000.	353.553	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	2 ##	5.25	5.25	10.	0.5	45.125	6.718	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	69.	69.	116.	22.	4418.	66.468	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	2	100.	100.	100.	100.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	5.45	5.45	10.	0.9	41.405	6.435	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	2 ##	62.5	62.5	100.	25.	2812.5	53.033	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.475	0.475	0.55	0.4	0.011	0.106	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	2	500.	500.	500.	500.	0.	0.	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	45.	45.	55.	35.	200.	14.142	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	8.9	8.9	10.9	6.9	8.	2.828	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	19.5	19.5	23.	16.	24.5	4.95	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	0.92	0.92	0.96	0.88	0.003	0.057	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	2 ##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	0.9	0.9	1.1	0.7	0.08	0.283	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	715.	715.	790.	640.	11250.	106.066	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.625	0.625	0.7	0.55	0.011	0.106	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	143.5	143.5	160.	127.	544.5	23.335	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	5.6	5.6	5.9	5.3	0.18	0.424	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	1.23	1.23	1.24	1.22	0.	0.014	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.915	1.915	2.23	1.6	0.198	0.445	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.385	0.385	0.43	0.34	0.004	0.064	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.82	1.82	1.99	1.65	0.058	0.24	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.92	0.92	1.17	0.67	0.125	0.354	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	19.5	19.5	24.	15.	40.5	6.364	**	**	**	**

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Parameter Inventory for Station: ARCH0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.305	1.305	1.35	1.26	0.004	0.064	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	11.55	11.55	12.5	10.6	1.805	1.344	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.285	0.285	0.3	0.27	0.	0.021	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	3.45	3.45	3.9	3.	0.405	0.636	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	27.5	27.5	30.	25.	12.5	3.536	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	3.23	3.23	3.42	3.04	0.072	0.269	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	2.25	2.25	3.	1.5	1.125	1.061	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	5.8	5.8	6.1	5.5	0.18	0.424	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	93.5	93.5	102.	85.	144.5	12.021	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	56.	56.	57.	55.	2.	1.414	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	121.5	121.5	141.	102.	760.5	27.577	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	1.425	1.425	1.6	1.25	0.061	0.247	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	2 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	635.	635.	640.	630.	50.	7.071	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	1550.	1550.	1660.	1440.	24200.	155.563	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	162.5	162.5	164.	161.	4.5	2.121	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	0.985	0.985	1.04	0.93	0.006	0.078	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	0.925	0.925	1.01	0.84	0.014	0.12	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0096

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	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									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	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.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00	2	0	0.00									
		Drinking Water	5.	2	0	0.00	2	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	2	2	1.00	2	2	1.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00									
		Drinking Water	15.	2	0	0.00	2	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	1	0.50	2	1	0.50									
01077	SILVER, TOTAL	Fresh Acute	4.1	2	0	0.00	2	0	0.00									
		Drinking Water	100.	2	0	0.00	2	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	2	0	0.00	2	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

EPA Water Quality Criteria Analysis for Station: ARCH0096

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	1	0.50	2	1	0.50									
		Drinking Water	50.	2	1	0.50	2	1	0.50									
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: ARCH0097

NPS Station ID: ARCH0097
LAT/LON: 38.617476/-109.550031
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MF-6
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MF6
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MF-6 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	5	31.2	29.78	34.	23.1	18.247	4.272	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2	73.	73.	85.	61.	288.	16.971	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	5	8.97	8.52	9.47	6.72	1.194	1.093	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	5	8.97	7.403	9.47	6.72	2.754	1.66	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	5	0.001	0.04	0.191	0.	0.007	0.084	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	5	26.	25.6	30.	21.	20.3	4.506	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	3 ##	0.1	0.333	0.8	0.1	0.163	0.404	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	3	3.	4.433	7.6	2.7	7.543	2.747	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	610.	610.	820.	400.	88200.	296.985	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	1010.	1010.	1090.	930.	12800.	113.137	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	3	0.9	0.867	1.	0.7	0.023	0.153	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	3	1.1	0.9	1.2	0.4	0.19	0.436	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	720.	720.	760.	680.	3200.	56.569	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	3	1.2	1.233	1.4	1.1	0.023	0.153	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	3	1.	1.3	2.	0.9	0.37	0.608	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	3	13.	12.333	16.	8.	16.333	4.041	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	3 ##	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	2.	2.	2.1	1.9	0.02	0.141	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	3 ##	25.	50.	100.	25.	1875.	43.301	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	303.	303.	306.	300.	18.	4.243	**	**	**	**

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

Parameter Inventory for Station: ARCH0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	10.3	10.3	10.5	10.1	0.08	0.283	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	1.1	1.1	1.19	1.01	0.016	0.127	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	3 ##	25.	50.	100.	25.	1875.	43.301	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	35.	35.	35.	35.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	3	4300.	3116.667	5000.	50.	7175833.333	2678.775	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	3 ##	0.5	3.667	10.	0.5	30.083	5.485	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	55.	55.	74.	36.	722.	26.87	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	3	50.	66.667	100.	50.	833.333	28.868	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	5.2	5.2	5.5	4.9	0.18	0.424	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	3	79.	79.667	100.	60.	400.333	20.008	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	3	300.	311.667	500.	135.	33408.333	182.779	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	37.5	37.5	40.	35.	12.5	3.536	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	8.2	8.2	8.8	7.6	0.72	0.849	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	15.	15.	16.	14.	2.	1.414	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	0.88	0.88	0.9	0.86	0.001	0.028	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	3 ##	5.	20.	50.	5.	675.	25.981	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	710.	710.	750.	670.	3200.	56.569	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	126.	126.	130.	122.	32.	5.657	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	5.5	5.5	5.7	5.3	0.08	0.283	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	1.145	1.145	1.24	1.05	0.018	0.134	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.965	1.965	2.03	1.9	0.008	0.092	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.35	0.35	0.38	0.32	0.002	0.042	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.77	1.77	1.8	1.74	0.002	0.042	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.79	0.79	0.82	0.76	0.002	0.042	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	21.	21.	27.	15.	72.	8.485	**	**	**	**

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

Parameter Inventory for Station: ARCH0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.285	1.285	1.3	1.27	0.	0.021	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	10.7	10.7	11.5	9.9	1.28	1.131	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.27	0.27	0.3	0.24	0.002	0.042	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	3.85	3.85	4.2	3.5	0.245	0.495	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	32.5	32.5	35.	30.	12.5	3.536	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	3.03	3.03	3.26	2.8	0.106	0.325	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	1.75	1.75	2.	1.5	0.125	0.354	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.6	4.6	6.7	2.5	8.82	2.97	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	91.	91.	92.	90.	2.	1.414	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	50.	50.	51.	49.	2.	1.414	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	104.	104.	108.	100.	32.	5.657	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	1.28	1.28	1.38	1.18	0.02	0.141	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.001	0.001	0.002	0.001	0.	0.	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	640.	640.	670.	610.	1800.	42.426	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	1410.	1410.	1490.	1330.	12800.	113.137	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	182.5	182.5	190.	175.	112.5	10.607	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.	1.	1.02	0.98	0.001	0.028	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.1	1.1	1.4	0.8	0.18	0.424	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	5	2	0.40	4	2	0.50							1	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	4	0	0.00							1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	3	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	3	0	0.00									
		Drinking Water	4.	0 &	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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00	1	1	1.00									
		Drinking Water	1300.	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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	1	0.33	3	1	0.33									
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	3	0	0.00									
		Drinking Water	6.	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: ARCH0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	1	0.33	3	1	0.33									
		Drinking Water	50.	3	1	0.33	3	1	0.33									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	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: ARCH0098

NPS Station ID: ARCH0098
LAT/LON: 38.617448/-109.550588
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE DL-14A
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_DL14A
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE DL-14A IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	4	27.75	27.1	29.1	23.8	5.847	2.418	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2	87.5	87.5	93.	82.	60.5	7.778	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	4	7.23	7.458	8.28	7.09	0.312	0.558	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	4	7.219	7.285	8.28	7.09	0.351	0.593	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	4	0.06	0.052	0.081	0.005	0.001	0.034	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	4	30.	30.25	39.	22.	58.917	7.676	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	3 ##	0.1	0.333	0.8	0.1	0.163	0.404	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	3	14.	12.433	14.3	9.	8.863	2.977	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	2700.	2700.	4900.	500.	9680000.	3111.27	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	2160.	2160.	3100.	1220.	1767200.	1329.361	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	3	1.	1.033	1.2	0.9	0.023	0.153	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	3	1.1	1.167	1.4	1.	0.043	0.208	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1275.	1275.	1640.	910.	266450.	516.188	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	3	1.3	1.3	1.6	1.	0.09	0.3	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	3	15.	14.667	17.	12.	6.333	2.517	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	3 ##	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	4.15	4.15	5.7	2.6	4.805	2.192	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	3	75.	66.667	100.	25.	1458.333	38.188	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	335.	335.	380.	290.	4050.	63.64	**	**	**	**

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

Parameter Inventory for Station: ARCH0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	19.5	19.5	24.6	14.4	52.02	7.212	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	2.93	2.93	4.	1.86	2.29	1.513	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	55.	55.	70.	40.	450.	21.213	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	3	3900.	2983.333	5000.	50.	6755833.333	2599.199	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	3 ##	0.5	3.667	10.	0.5	30.083	5.485	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	262.	262.	477.	47.	92450.	304.056	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	3	110.	235.	500.	95.	52725.	229.619	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2	2.95	2.95	3.8	2.1	1.445	1.202	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.8	0.8	0.85	0.75	0.005	0.071	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	3	400.	356.667	500.	170.	28633.333	169.214	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	62.5	62.5	85.	40.	1012.5	31.82	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	21.95	21.95	29.7	14.2	120.125	10.96	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	36.	36.	47.	25.	242.	15.556	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.42	1.42	1.76	1.08	0.231	0.481	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	3 ##	5.	20.	50.	5.	675.	25.981	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.5	1.5	1.9	1.1	0.32	0.566	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1300.	1300.	1600.	1000.	180000.	424.264	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.705	0.705	0.81	0.6	0.022	0.148	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	185.	185.	190.	180.	50.	7.071	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	10.35	10.35	13.4	7.3	18.605	4.313	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	2.58	2.58	3.42	1.74	1.411	1.188	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.985	2.985	3.68	2.29	0.966	0.983	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.8	0.8	1.1	0.5	0.18	0.424	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.13	2.13	2.4	1.86	0.146	0.382	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.745	2.745	3.9	1.59	2.668	1.633	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	36.5	36.5	37.	36.	0.5	0.707	**	**	**	**

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Parameter Inventory for Station: ARCH0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.2	2.2	2.78	1.62	0.673	0.82	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	21.8	21.8	29.1	14.5	106.58	10.324	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.535	0.535	0.71	0.36	0.061	0.247	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	6.2	6.2	7.5	4.9	3.38	1.838	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	50.	50.	65.	35.	450.	21.213	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.715	4.715	5.6	3.83	1.566	1.252	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	8.5	8.5	11.	6.	12.5	3.536	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	141.5	141.5	172.	111.	1860.5	43.134	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	60.	60.	67.	53.	98.	9.899	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	279.5	279.5	390.	169.	24420.5	156.271	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3	0.09	0.08	0.1	0.05	0.001	0.026	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	3.065	3.065	4.2	1.93	2.576	1.605	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1085.	1085.	1310.	860.	101250.	318.198	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	3025.	3025.	4010.	2040.	1940450.	1393.	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	295.	295.	350.	240.	6050.	77.782	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	2.13	2.13	2.71	1.55	0.673	0.82	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2 ##	1.6	1.6	2.3	0.9	0.98	0.99	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	0	0.00	4	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	3	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	3	0	0.00									
		Drinking Water	4.	0 &	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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00	1	1	1.00									
		Drinking Water	1300.	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									
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									
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	3	0	0.00									
		Drinking Water	6.	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: ARCH0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	1	0.33	3	1	0.33									
		Drinking Water	50.	3	1	0.33	3	1	0.33									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	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: ARCH0099

NPS Station ID: ARCH0099
LAT/LON: 38.617476/-109.550031
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE MF-8
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_MF8
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE MF-8 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	6	28.85	28.467	33.3	22.1	17.395	4.171	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2	90.	90.	116.	64.	1352.	36.77	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	6	7.925	7.943	9.24	6.89	0.617	0.786	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	6	7.874	7.494	9.24	6.89	0.859	0.927	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	6	0.013	0.032	0.129	0.001	0.002	0.048	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	6	21.	24.667	34.	21.	33.867	5.82	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	3 ##	0.1	0.433	1.1	0.1	0.333	0.577	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	3	10.3	11.533	16.9	7.4	23.703	4.869	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	1400.	1400.	2400.	400.	2000000.	1414.214	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	1405.	1405.	2000.	810.	708050.	841.457	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	3	1.3	1.333	1.7	1.	0.123	0.351	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	3	1.4	1.467	1.6	1.4	0.013	0.115	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1035.	1035.	1320.	750.	162450.	403.051	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	3	1.7	2.5	4.4	1.4	2.73	1.652	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	3	2.	1.967	3.	0.9	1.103	1.05	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	3	11.	15.	25.	9.	76.	8.718	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	3 ##	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	3.5	3.5	4.6	2.4	2.42	1.556	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	3 ##	25.	50.	100.	25.	1875.	43.301	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	325.	325.	330.	320.	50.	7.071	**	**	**	**

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Parameter Inventory for Station: ARCH0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	3 ##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	15.5	15.5	19.5	11.5	32.	5.657	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	1.98	1.98	2.62	1.34	0.819	0.905	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	3 ##	25.	50.	100.	25.	1875.	43.301	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	45.	45.	55.	35.	200.	14.142	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	3	2200.	2416.667	5000.	50.	6160833.333	2482.103	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	3 ##	0.5	3.667	10.	0.5	30.083	5.485	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	98.5	98.5	172.	25.	10804.5	103.945	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	3	50.	66.667	100.	50.	833.333	28.868	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2 ##	5.8	5.8	7.	4.6	2.88	1.697	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	3 ##	25.	50.	100.	25.	1875.	43.301	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.675	0.675	0.85	0.5	0.061	0.247	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	3	500.	341.667	500.	25.	75208.333	274.241	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	57.5	57.5	75.	40.	612.5	24.749	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	15.8	15.8	23.5	8.1	118.58	10.889	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	27.5	27.5	31.	24.	24.5	4.95	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.18	1.18	1.41	0.95	0.106	0.325	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	3	20.	25.	50.	5.	525.	22.913	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.	1.	1.2	0.8	0.08	0.283	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	955.	955.	1260.	650.	186050.	431.335	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.615	0.615	0.63	0.6	0.	0.021	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	160.	160.	170.	150.	200.	14.142	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	8.	8.	10.2	5.8	9.68	3.111	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	2.065	2.065	2.92	1.21	1.462	1.209	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.555	2.555	3.27	1.84	1.022	1.011	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.59	0.59	0.78	0.4	0.072	0.269	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.17	2.17	2.43	1.91	0.135	0.368	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.82	1.82	2.7	0.94	1.549	1.245	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	21.5	21.5	23.	20.	4.5	2.121	**	**	**	**

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

Parameter Inventory for Station: ARCH0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	1.805	1.805	2.11	1.5	0.186	0.431	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	16.4	16.4	21.	11.8	42.32	6.505	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.95	4.95	6.4	3.5	4.205	2.051	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	37.5	37.5	45.	30.	112.5	10.607	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.125	4.125	4.25	4.	0.031	0.177	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.	3.	4.	2.	2.	1.414	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	7.25	7.25	12.	2.5	45.125	6.718	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	125.	125.	155.	95.	1800.	42.426	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	65.5	65.5	71.	60.	60.5	7.778	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	186.5	186.5	250.	123.	8064.5	89.803	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.125	0.125	0.15	0.1	0.001	0.035	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	2.33	2.33	3.13	1.53	1.28	1.131	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	825.	825.	1010.	640.	68450.	261.63	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	2270.	2270.	2950.	1590.	924800.	961.665	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	255.	255.	310.	200.	6050.	77.782	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	1.465	1.465	1.9	1.03	0.378	0.615	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.245	1.245	1.58	0.91	0.224	0.474	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	6	1	0.17	5	1	0.20							1	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	5	0	0.00							1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	3	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	3	0	0.00									
		Drinking Water	4.	0 &	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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00	1	1	1.00									
		Drinking Water	1300.	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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	1	0.33	3	1	0.33									
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	3	0	0.00									
		Drinking Water	6.	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: ARCH0099

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	2	0.67	3	2	0.67									
		Drinking Water	50.	3	1	0.33	3	1	0.33									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	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: ARCH0100

NPS Station ID: ARCH0100 | LAT/LON: 38.617476/-109.550031 | Agency: 11NPSWRD | Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE TF-14 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): ARCH_LANL_TF14
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB-UT GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE TF-14 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. THE EXACT LOCATION OF THE SAMPLING SITE IS UNCERTAIN; A CENTRALIZED POINT IN THE STUDY AREA WAS USED. FOR MORE INFORMATION; CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	3	30.8	30.467	32.3	28.3	4.083	2.021	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2	80.	80.	85.	75.	50.	7.071	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	3	9.2	8.797	9.51	7.68	0.959	0.979	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	3	9.2	8.138	9.51	7.68	1.61	1.269	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	3	0.001	0.007	0.021	0.	0.	0.012	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	3	21.	21.	21.	21.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	3	0.4	0.4	0.7	0.1	0.09	0.3	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	3	20.	18.6	23.	12.8	27.48	5.242	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	1650.	1650.	2900.	400.	3125000.	1767.767	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	2000.	2000.	3500.	500.	4500000.	2121.32	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	3	1.2	1.233	1.4	1.1	0.023	0.153	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	3	1.4	1.5	1.8	1.3	0.07	0.265	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1325.	1325.	1960.	690.	806450.	898.026	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	3	1.1	1.333	1.9	1.	0.243	0.493	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	3	15.	15.667	18.	14.	4.333	2.082	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	3 ##	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	4.	4.	5.9	2.1	7.22	2.687	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	3	100.	66.833	100.	0.5	3300.083	57.446	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	296.	296.	330.	262.	2312.	48.083	**	**	**	**

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

Parameter Inventory for Station: ARCH0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	3 ##	50.	51.667	55.	50.	8.333	2.887	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	20.85	20.85	26.	15.7	53.045	7.283	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	2.675	2.675	4.	1.35	3.511	1.874	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	3 ##	5.	18.5	50.	0.5	749.25	27.372	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	50.	50.	65.	35.	450.	21.213	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	3	250.	1826.667	5000.	230.	7552633.333	2748.205	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	3 ##	0.5	2.	5.	0.5	6.75	2.598	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	169.5	169.5	303.	36.	35644.5	188.798	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	3	56.	202.	500.	50.	66612.	258.093	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2	11.5	11.5	20.	3.	144.5	12.021	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	3 ##	0.5	33.667	100.	0.5	3300.083	57.446	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.725	0.725	0.85	0.6	0.031	0.177	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	3	125.	241.667	500.	100.	50208.333	224.072	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	50.	50.	70.	30.	800.	28.284	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	23.3	23.3	36.8	9.8	364.5	19.092	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	34.	34.	52.	16.	648.	25.456	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.18	1.18	1.59	0.77	0.336	0.58	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/16/89	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	3 ##	5.	36.667	100.	5.	3008.333	54.848	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	0.95	0.95	1.1	0.8	0.045	0.212	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1150.	1150.	1500.	800.	245000.	494.975	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2	0.85	0.85	1.	0.7	0.045	0.212	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	225.	225.	260.	190.	2450.	49.497	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	10.75	10.75	16.1	5.4	57.245	7.566	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	3.87	3.87	5.55	2.19	5.645	2.376	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.66	2.66	3.52	1.8	1.479	1.216	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.755	0.755	1.13	0.38	0.281	0.53	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.885	1.885	2.33	1.44	0.396	0.629	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	3.05	3.05	5.	1.1	7.605	2.758	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	21.5	21.5	25.	18.	24.5	4.95	**	**	**	**

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Parameter Inventory for Station: ARCH0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.005	2.005	2.81	1.2	1.296	1.138	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	21.05	21.05	31.	11.1	198.005	14.071	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.455	0.455	0.68	0.23	0.101	0.318	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	4.4	4.4	6.8	2.	11.52	3.394	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	42.5	42.5	60.	25.	612.5	24.749	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	5.55	5.55	5.9	5.2	0.245	0.495	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	7.75	7.75	13.	2.5	55.125	7.425	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	158.5	158.5	188.	129.	1740.5	41.719	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	53.5	53.5	65.	42.	264.5	16.263	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	245.	245.	370.	120.	31250.	176.777	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.05	0.083	0.15	0.05	0.003	0.058	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	2.705	2.705	4.1	1.31	3.892	1.973	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1155.	1155.	1570.	740.	344450.	586.899	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	2970.	2970.	4310.	1630.	3591200.	1895.046	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	275.5	275.5	360.	191.	14280.5	119.501	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	2.21	2.21	3.55	0.87	3.591	1.895	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	1.95	1.95	2.4	1.5	0.405	0.636	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0100

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	2	0.67	3	2	0.67									
		Other-Lo Lim.	6.5	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	3	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	3	0	0.00									
		Drinking Water	4.	0 &	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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33	3	1	0.33									
		Drinking Water	1300.	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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	1	0.33	3	1	0.33									
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	3	0	0.00									
		Drinking Water	6.	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: ARCH0100

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	1	0.33	3	1	0.33									
		Drinking Water	50.	3	1	0.33	3	1	0.33									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	3	0	0.00	3	0	0.00									

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Station Inventory for Station: ARCH0101

NPS Station ID: ARCH0101
LAT/LON: 38.617781/-109.550698
Agency: 11NPSWRD
Date Created: 10/05/99
Location: POTHOLE SAMPLING SITE DL-11
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): ARCH_LANL_DL11
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOAB UT-GRAND CO. 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. POTHOLE SAMPLING SITE DL-11 IS AT A POTHOLE NORTH OF MOAB AND JUST INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM THE REPORT "CHEMICAL ANALYSIS OF SELECTED POTHOLE WATER SOURCES IN SOUTHWESTERN NATIONAL PARKS; MONUMENTS; AND RECREATION AREAS" BY ERNEST S. GLADNEY ET AL.; LOS ALAMOS NATIONAL LABORATORY; OCTOBER 1993. THE PURPOSE OF THE STUDY WAS TO ESTABLISH BASELINE CHEMICAL DATA ON POTHOLE ECOSYSTEMS IN ORDER TO MONITOR AIR POLLUTION EFFECTS. COORDINATES WERE PROVIDED BY TIM GRAHAM; U.S. GEOLOGICAL SURVEY. FOR MORE INFORMATION CONTACT NATURAL RESOURCES MANAGEMENT AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532; TEL. 801-259-8161. DATA WERE PROCESSED AND UPLOADED TO STORET BY MELANIE SCHNIER AT NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: ARCH0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	11/03/88-11/03/88	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/88-08/16/89	4	26.55	26.975	28.8	26.	1.549	1.245	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/21/88-09/22/88	2	87.	87.	93.	81.	72.	8.485	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/88-08/16/89	4	7.065	7.53	9.5	6.49	1.902	1.379	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/88-08/16/89	4	6.906	6.844	9.5	6.49	2.529	1.59	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/88-08/16/89	4	0.124	0.143	0.324	0.	0.023	0.152	**	**	**	**
00431	ALKALINITY TOTAL FIELD, (MG/L AS CACO3)	08/21/88-08/16/89	4	28.	25.75	30.	17.	37.583	6.131	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/21/88-08/16/89	3 ##	0.1	0.4	1.	0.1	0.27	0.52	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/21/88-08/16/89	3	10.	10.4	12.7	8.5	4.53	2.128	**	**	**	**
00917	CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	11/03/88-11/03/88	2 ##	2075.	2075.	3800.	350.	5951250.	2439.518	**	**	**	**
00924	MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	11/03/88-11/03/88	2	2280.	2280.	3800.	760.	4620800.	2149.605	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/21/88-08/16/89	3	1.3	1.2	1.3	1.	0.03	0.173	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	08/21/88-08/16/89	3	1.1	1.133	1.3	1.	0.023	0.153	**	**	**	**
00934	SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	11/03/88-11/03/88	2	1490.	1490.	2210.	770.	1036800.	1018.234	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	08/21/88-08/16/89	3	1.6	1.6	1.9	1.3	0.09	0.3	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/21/88-08/16/89	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/21/88-08/16/89	3	14.	13.667	16.	11.	6.333	2.517	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	08/21/88-08/16/89	3 ##	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/03/88-11/03/88	2	4.15	4.15	6.4	1.9	10.125	3.182	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/21/88-08/16/89	3	61.	70.333	100.	50.	690.333	26.274	**	**	**	**
01008	BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	11/03/88-11/03/88	2	342.	342.	380.	304.	2888.	53.74	**	**	**	**

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Parameter Inventory for Station: ARCH0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	08/21/88-08/16/89	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/03/88-11/03/88	2	20.3	20.3	30.	10.6	188.18	13.718	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01038	COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	11/03/88-11/03/88	2	3.21	3.21	5.1	1.32	7.144	2.673	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/21/88-08/16/89	3 ##	0.5	17.	50.	0.5	816.75	28.579	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	11/03/88-11/03/88	2 ##	50.	50.	65.	35.	450.	21.213	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/21/88-08/16/89	3	4400.	3410.	5000.	830.	5082300.	2254.396	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/21/88-08/16/89	3 ##	0.5	2.	5.	0.5	6.75	2.598	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	11/03/88-11/03/88	2	174.95	174.95	325.	24.9	45030.005	212.203	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/21/88-08/16/89	3	80.	216.667	500.	70.	60233.333	245.425	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01063	MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	11/03/88-11/03/88	2	5.	5.	9.7	0.3	44.18	6.647	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/21/88-08/16/89	3 ##	0.5	33.667	100.	0.5	3300.083	57.446	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	11/03/88-11/03/88	2 ##	0.7	0.7	1.	0.4	0.18	0.424	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	08/21/88-08/16/89	3	300.	318.	500.	154.	30172.	173.701	**	**	**	**
01083	STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	11/03/88-11/03/88	2 ##	67.5	67.5	100.	35.	2112.5	45.962	**	**	**	**
01088	VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	11/03/88-11/03/88	2	23.75	23.75	39.	8.5	465.125	21.567	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/03/88-11/03/88	2	47.	47.	70.	24.	1058.	32.527	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	11/03/88-11/03/88	2	1.015	1.015	1.45	0.58	0.378	0.615	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/21/88-08/21/88	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01112	CERIUM, TOTAL (UG/L AS CE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01117	CESIUM, TOTAL (UG/L AS CS)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01132	LITHIUM, TOTAL (UG/L AS LI)	08/21/88-08/16/89	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01137	RUBIDIUM, TOTAL (UG/L AS RB)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/21/88-08/16/89	3 ##	5.	36.667	100.	5.	3008.333	54.848	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	11/03/88-11/03/88	2	1.05	1.05	1.4	0.7	0.245	0.495	**	**	**	**
01153	TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	11/03/88-11/03/88	2	1140.	1140.	1800.	480.	871200.	933.381	**	**	**	**
01158	TUNGSTEN DRY WT. IN SEDIMENT (MG/KG AS W)	11/03/88-11/03/88	2 ##	0.85	0.85	1.2	0.5	0.245	0.495	**	**	**	**
01163	ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	11/03/88-11/03/88	2	187.	187.	270.	104.	13778.	117.38	**	**	**	**
01168	INDIUM, WATER, WHOLE UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01171	PLATINUM,WHOLE WATER SAMPLE,UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01179	LANTHANUM DRY WT. IN SEDIMENT (MG/KG AS LA)	11/03/88-11/03/88	2	11.7	11.7	17.8	5.6	74.42	8.627	**	**	**	**
01182	LANTHANUM, TOTAL (UG/L AS LA)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01189	SCANDIUM, TOTAL (UG/L AS SC)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01210	PALLADIUM, TOTAL (UG/L AS PD)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01219	GADOLINIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01236	EUROPIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01237	NEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01238	PRASEODYMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01239	NIOBIUM, TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01240	IRIDIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01241	OSMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01242	RHENIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01243	HAFNIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01244	LUTETIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01246	ERBIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01247	HOLMIUM,TOTAL UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
22608	URANIUM, IN SEDIMENT (UG/G OF DRY SOLIDS)	11/03/88-11/03/88	2	4.595	4.595	7.3	1.89	14.634	3.825	**	**	**	**
30220	ALUMINUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	2.91	2.91	4.26	1.56	3.645	1.909	**	**	**	**
30268	IRON, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	0.8	0.8	1.27	0.33	0.442	0.665	**	**	**	**
30293	POTASSIUM, SEDIMENT, BOTTOM MATERIAL, PERCENT	11/03/88-11/03/88	2	1.975	1.975	2.46	1.49	0.47	0.686	**	**	**	**
50787	PHOSPHATE, TOTAL AS P, WATER MG/L	08/21/88-08/16/89	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
61925	BROMINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	3.58	3.58	6.1	1.06	12.701	3.564	**	**	**	**
61926	CHLORINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	25.5	25.5	26.	25.	0.5	0.707	**	**	**	**

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61927	CESIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	2.285	2.285	3.4	1.17	2.486	1.577	**	**	**	**
61928	CERIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	26.3	26.3	41.	11.6	432.18	20.789	**	**	**	**
61929	EUROPIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	0.595	0.595	0.93	0.26	0.224	0.474	**	**	**	**
61930	GALLIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	7.6	7.6	11.6	3.6	32.	5.657	**	**	**	**
61931	INDIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2 ##	40.	40.	55.	25.	450.	21.213	**	**	**	**
61932	HAFNIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	4.11	4.11	5.4	2.82	3.328	1.824	**	**	**	**
61933	IODINE, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2 ##	3.5	3.5	5.5	1.5	8.	2.828	**	**	**	**
61934	NEODYMIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	10.9	10.9	16.	5.8	52.02	7.212	**	**	**	**
61935	LUTETIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	165.5	165.5	237.	94.	10224.5	101.116	**	**	**	**
61936	RUBIDIUM, SEDIMENT, DRY, MG/KG	11/03/88-11/03/88	2	62.5	62.5	79.	46.	544.5	23.335	**	**	**	**
61937	TERBIUM, SEDIMENT, DRY, UG/KG	11/03/88-11/03/88	2	304.5	304.5	480.	129.	61600.5	248.194	**	**	**	**
71866	IODINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.001	0.004	0.01	0.001	0.	0.005	**	**	**	**
71871	BROMINE REPORTED AS THE ELEMENT IN MG/L	08/21/88-08/16/89	3 ##	0.05	0.083	0.15	0.05	0.003	0.058	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71910	GOLD, TOTAL (UG/L AS AU)	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/03/88-11/03/88	2 ##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
81726	SCANDIUM IN SEDIMENT DRY WEIGHT MG/KG	11/03/88-11/03/88	2	3.305	3.305	5.3	1.31	7.96	2.821	**	**	**	**
82067	RHODIUM, TOTAL, WHOLE WATER, MG/LITER	08/21/88-08/16/89	3 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82170	GOLD IN SEDIMENT MG/KG	11/03/88-11/03/88	2 ##	0.002	0.002	0.003	0.002	0.	0.001	**	**	**	**
82311	YTTERBIUMIN BOTTOM MATERIAL DRY WT. AS YB UG/KG	11/03/88-11/03/88	2	1075.	1075.	1570.	580.	490050.	700.036	**	**	**	**
82313	THORIUM IN BOTTOM MATERIAL DRY WEIGHT AS TH UG/KG	11/03/88-11/03/88	2	3550.	3550.	5500.	1600.	7605000.	2757.716	**	**	**	**
82318	TANTALUM, TOTAL AS TA IN WATER UG/L	08/21/88-08/16/89	3	1.	1.	1.	1.	0.	0.	**	**	**	**
82321	TANTALUM IN BOTTOM MATERIAL DRY WT. AS TA UG/KG	11/03/88-11/03/88	2	307.	307.	440.	174.	35378.	188.09	**	**	**	**
82322	SAMARIUM, TOTAL AS SM IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82325	SAMARIUM IN BOTTOM MATERIAL DRY WT. AS SM UG/KG	11/03/88-11/03/88	2	2.225	2.225	3.47	0.98	3.1	1.761	**	**	**	**
82326	RUTHENIUM, TOTAL AS RU IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82330	DYSPROSIUM, TOTAL AS DY IN WATER UG/L	08/21/88-08/16/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82333	DYSPROSIUM IN BOTTOM MATERIAL DRY WT. AS DY UG/KG	11/03/88-11/03/88	2	2.	2.	3.	1.	2.	1.414	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	4	1	0.25	4	1	0.25									
		Other-Lo Lim.	6.5	4	1	0.25	4	1	0.25									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	3	0	0.00									
		Drinking Water	250.	3	0	0.00	3	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	3	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	3	0	0.00									
		Drinking Water	50.	3	0	0.00	3	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	3	0	0.00									
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	3	0	0.00									
		Drinking Water	4.	0 &	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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	3	1	0.33	3	1	0.33									
		Drinking Water	1300.	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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	1	0.33	3	1	0.33									
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01097	ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	3	0	0.00									
		Drinking Water	6.	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: ARCH0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	1	0.33	3	1	0.33									
		Drinking Water	50.	3	1	0.33	3	1	0.33									
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	3	0	0.00									
		Drinking Water	2.	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: ARCH0102

NPS Station ID: ARCH0102 | LAT/LON: 38.633892/-109.364392 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17421 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_26 /1041222
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FISHER TOWERS UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/78-06/22/78	1	22.5	22.5	22.5	22.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/78-06/22/78	1	375.	375.	375.	375.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/78-06/22/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/22/78-06/22/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/78-06/22/78	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/78-06/22/78	1	39.7	39.7	39.7	39.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/78-06/22/78	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/22/78-06/22/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/22/78-06/22/78	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/22/78-06/22/78	1	677.	677.	677.	677.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/78-06/22/78	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/22/78-06/22/78	1	86.	86.	86.	86.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/22/78-06/22/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/22/78-06/22/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/22/78-06/22/78	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/22/78-06/22/78	1	7305.	7305.	7305.	7305.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00										1	1	1.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0103

NPS Station ID: ARCH0103
LAT/LON: 38.652753/-109.718309
Agency: 11NPSWRD
Date Created: 08/02/99
Location: SEVEN MILE SPRING
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): ARCH_WWRRI_SEV
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MERRIMAC BUTTE UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT SEVEN MILE SPRING OUTSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "THE HYDROGEOLOGIC FEASIBILITY OF DEVELOPING GROUND-WATER SUPPLIES IN THE NORTHERN PART OF CANYONLANDS NATIONAL PARK AND BRIDGES NATIONAL MONUMENT; UTAH" BY P.W. HUNTOON (NOVEMBER 1977). THE REPORT WAS SUBMITTED TO THE NATIONAL PARK SERVICE FOR CONTRACT CX-1200-7-B020. FOR PARK INFORMATION CONTACT THE CHIEF OF RESOURCES AT CANYONLANDS NATIONAL PARK; P.O. BOX 907; MOAB UT 84532 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/22/77-08/22/77	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/77-08/22/77	1	700.	700.	700.	700.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/22/77-08/22/77	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/22/77-08/22/77	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/77-08/22/77	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/22/77-08/22/77	1	380.	380.	380.	380.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/22/77-08/22/77	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/22/77-08/22/77	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/77-08/22/77	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/77-08/22/77	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/77-08/22/77	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/77-08/22/77	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/22/77-08/22/77	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/22/77-08/22/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/22/77-08/22/77	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/22/77-08/22/77	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/22/77-08/22/77	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/77-08/22/77	1	626.	626.	626.	626.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
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: ARCH0104

NPS Station ID: ARCH0104 | LAT/LON: 38.655809/-109.316698 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17415 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_29 /1041220
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FISHER TOWERS UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/78-06/22/78	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/78-06/22/78	1	320.	320.	320.	320.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/78-06/22/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/22/78-06/22/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/78-06/22/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/78-06/22/78	1	36.2	36.2	36.2	36.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/78-06/22/78	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/22/78-06/22/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/22/78-06/22/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/22/78-06/22/78	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/78-06/22/78	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/22/78-06/22/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/22/78-06/22/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/22/78-06/22/78	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/22/78-06/22/78	1	9815.	9815.	9815.	9815.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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.	0 &	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
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
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0105

NPS Station ID: ARCH0105 | LAT/LON: 38.658892/-109.319199 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17416 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_NURE_28 /1041221
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FISHER TOWERS UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). HE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/78-06/22/78	1	11.8	11.8	11.8	11.8	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/78-06/22/78	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/78-06/22/78	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/22/78-06/22/78	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/78-06/22/78	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/78-06/22/78	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/78-06/22/78	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/22/78-06/22/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/22/78-06/22/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/22/78-06/22/78	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/78-06/22/78	1	772.	772.	772.	772.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/22/78-06/22/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/22/78-06/22/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/22/78-06/22/78	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/22/78-06/22/78	1	10719.	10719.	10719.	10719.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0105

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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.	0 &	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
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
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0106

NPS Station ID: ARCH0106
Location: (D-25-21) 5ABB-S1
Station Type: /TYPA/AMBNT/SPRING
RMI-Indexes:
RMI-Miles:
HUC: 14030005
Major Basin:
Minor Basin:

LAT/LON: 38.665282/-109.625005
Depth of Water: 0
Elevation: 0

Agency: 112WRD
FIPS State/County: 49019 UTAH/GRAND
STORET Station ID(s): 383955109373001
Within Park Boundary: Yes
Aquifer:
Water Body Id:
ECO Region:

Date Created: 11/07/81

RF1 Index: 14030005
RF3 Index: 14030005003000.00
Description:

RF1 Mile Point: 0.000
RF3 Mile Point: 5.41

Distance from RF1: 29.30
Distance from RF3: 0.00

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ARCH0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/70-09/15/70	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/15/70-09/15/70	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/70-09/15/70	1	270.	270.	270.	270.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/15/70-09/15/70	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/15/70-09/15/70	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/70-09/15/70	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/70-09/15/70	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/15/70-09/15/70	1	156.	156.	156.	156.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	09/15/70-09/15/70	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/15/70-09/15/70	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/70-09/15/70	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/70-09/15/70	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/15/70-09/15/70	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/15/70-09/15/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	09/15/70-09/15/70	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/70-09/15/70	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/70-09/15/70	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/70-09/15/70	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/70-09/15/70	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/70-09/15/70	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/15/70-09/15/70	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/15/70-09/15/70	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/15/70-09/15/70	1	55.	55.	55.	55.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/70-09/15/70	1	157.	157.	157.	157.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/15/70-09/15/70	1	164.	164.	164.	164.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/70-09/15/70	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
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									
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									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	1	1.00	1	1	1.00									
		Drinking Water	50.	1	1	1.00	1	1	1.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0107

NPS Station ID: ARCH0107
LAT/LON: 38.665837/-109.634170
Agency: 112WRD
Date Created: 02/28/78
Location: (D-25-21) 5BBB-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 383957109380301
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 1.50
On/Off RF1:
RF3 Index: 14030005011100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.06
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/70-09/15/70	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/15/70-09/15/70	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/70-09/15/70	1	250.	250.	250.	250.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/15/70-09/15/70	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/15/70-09/15/70	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/70-09/15/70	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/15/70-09/15/70	1	148.	148.	148.	148.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	1	136.	136.	136.	136.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/15/70-09/15/70	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/70-09/15/70	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/70-09/15/70	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/15/70-09/15/70	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/15/70-09/15/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/70-09/15/70	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/70-09/15/70	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/70-09/15/70	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/70-09/15/70	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/70-09/15/70	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/15/70-09/15/70	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/15/70-09/15/70	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/15/70-09/15/70	1	89.	89.	89.	89.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/70-09/15/70	1	145.	145.	145.	145.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/15/70-09/15/70	1	154.	154.	154.	154.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/70-09/15/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	09/15/70-09/15/70	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: ARCH0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	1	1.00	1	1	1.00									
		Drinking Water	50.	1	1	1.00	1	1	1.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0108

NPS Station ID: ARCH0108 LAT/LON: 38.670142/-109.649671 Agency: 11NPSWRD Date Created: 05/22/99
Location: SEVEN-MILE CYN SPG .75 MI AB COURTHOUSE WASH FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_NPS_599526/SM1 /599526
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MERRIMAC BUTTE UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SEVEN MILE CANYON IS A WASH SPRING IS LOCATED INSIDE THE ARCHES NATIONAL PARK BOUNDARY. THE SAMPLES WERE COLLECTED AND ANALYZED BY NATIONAL PARK SERVICE PERSONNEL. THE MONITORING BEGAN IN RESPONSE TO A PROPOSED SITING OF A NUCLEAR WASTE REPOSITORY NEAR THE PARK AS STATED BY B. LONG AND R. SMITH IN THE REPORT "WATER QUALITY DATA ANALYSIS AND INTERPRETATION FOR SPRING MONITORING SITES SOUTHEAST UTAH GROUP" (AUGUST 1996). THE INITIAL MONITORING OBJECTIVES WERE TO ESTABLISH A BASELINE DATABASE; DETECT POTENTIAL CHANGES; AND IDENTIFY AREAS OF CONCERN. THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYZED THE SAMPLES IN A COOPERATIVE EFFORT WITH THE PARK SERVICE BEGINNING 5/4/1991. THESE DATA CAN BE FOUND UNDER THE STATION 599526. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/85-04/25/90	8	15.05	14.65	23.2	0.6	41.166	6.416	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/03/85-04/25/90	8	158.5	339.125	1422.	105.	203725.554	451.36	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/03/85-04/25/90	8	1.6	4.056	11.	0.05	19.854	4.456	**	**	**	**
00400	PH (STANDARD UNITS)	05/01/85-04/25/90	7	6.15	6.171	8.2	3.6	1.907	1.381	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/01/85-04/25/90	7	6.15	4.439	8.2	3.6	5.408	2.326	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/85-04/25/90	7	0.708	36.397	251.189	0.006	8971.083	94.716	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/03/85-04/25/90	8	294.	281.	476.	17.	22261.429	149.203	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/03/85-08/24/87	4 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00655	PHOSPHATE, POLY (MG/L AS PO4)	01/03/85-04/25/90	7	1.6	3.057	8.8	0.5	9.096	3.016	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/03/85-04/25/90	8	555.5	534.5	731.	180.	30577.143	174.863	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/04/87-04/25/90	5	212.	217.8	303.	83.	8402.7	91.666	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/03/85-04/25/90	7	80.	93.429	248.	28.	5449.286	73.819	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/03/85-04/25/90	7	520.	697.143	2300.	190.	557557.143	746.697	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/03/85-04/25/90	7	230.	297.143	950.	50.	95023.81	308.259	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/03/85-04/25/90	7	230.	318.571	800.	200.	46547.619	215.749	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/85-04/25/90	8 ##	0.	7.5	50.	0.	307.143	17.525	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/03/85-04/25/90	8 ##	0.	0.337	1.699	0.	0.425	0.652	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			2.175								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/87-04/25/90	5 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/87-04/25/90	5 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

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

EPA Water Quality Criteria Analysis for Station: ARCH0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	5	0.63	2	1	0.50	1	0	0.00	4	3	0.75	1	1	1.00
00400	PH	Fresh Chronic	9.	7	0	0.00	2	0	0.00				4	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	7	4	0.57	2	1	0.50				4	2	0.50	1	1	1.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	5	0	0.00	1	0	0.00				3	0	0.00	1	0	0.00
		Drinking Water	250.	5	2	0.40	1	1	1.00				3	1	0.33	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	2	0	0.00	1	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	7	1.00	2	2	1.00	1	1	1.00	4	4	1.00			
		Drinking Water	1300.	7	1	0.14	2	1	0.50	1	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	8	0	0.00	2	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	5	0	0.00	1	0	0.00				3	0	0.00	1	0	0.00

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

Station Inventory for Station: ARCH0109

NPS Station ID: ARCH0109 LAT/LON: 38.670892/-109.638866 Agency: 11NPSWRD Date Created: 05/22/99
Location: SLEEPY HOLLOW SPRING IN UPPER COURTHOUSE WASH FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_NPS_599525/SH1 /599525
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MERRIMAC BUTTE UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SLEEPY HOLLOW IS AN ALCOVE SPRING AND IS LOCATED INSIDE THE ARCHES NATIONAL PARK BOUNDARY. THE SAMPLES WERE COLLECTED AND ANALYZED BY NATIONAL PARK SERVICE PERSONNEL. THE MONITORING BEGAN IN RESPONSE TO A PROPOSED SITING OF A NUCLEAR WASTE REPOSITORY NEAR THE PARK AS STATED BY B. LONG AND R. SMITH IN THE REPORT "WATER QUALITY DATA ANALYSIS AND INTERPRETATION FOR SPRING MONITORING SITES SOUTHEAST UTAH GROUP" (AUGUST 1996). THE INITIAL MONITORING OBJECTIVES WERE TO ESTABLISH A BASELINE DATABASE; DETECT POTENTIAL CHANGES; AND IDENTIFY AREAS OF CONCERN. THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYZED THE SAMPLES IN A COOPERATIVE EFFORT WITH THE PARK SERVICE BEGINNING 8/28/1990. THESE DATA CAN BE FOUND UNDER THE STATION 599525. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/03/85-04/25/90	10	16.75	16.48	22.4	2.6	37.175	6.097	3.67	13.525	21.725	22.34
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/03/85-04/25/90	10	257.5	273.2	546.	198.	10127.289	100.634	198.1	215.5	276.75	519.9
00300	OXYGEN, DISSOLVED MG/L	01/03/85-04/25/90	10	9.45	10.21	16.9	6.4	10.272	3.205	6.47	7.625	12.475	16.54
00400	PH (STANDARD UNITS)	05/01/85-04/25/90	9	7.5	7.356	8.1	6.65	0.335	0.579	6.65	6.725	7.925	8.1
00400	CONVERTED PH (STANDARD UNITS)	05/01/85-04/25/90	9	7.5	7.065	8.1	6.65	0.43	0.656	6.65	6.725	7.925	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/01/85-04/25/90	9	0.032	0.086	0.224	0.008	0.008	0.089	0.008	0.013	0.189	0.224
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/03/85-04/25/90	10	137.	132.6	200.	17.	2517.378	50.173	25.3	115.	170.25	197.1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/03/85-04/25/90	9 ##	0.05	0.061	0.15	0.05	0.001	0.033	0.05	0.05	0.05	0.15
00655	PHOSPHATE, POLY (MG/L AS PO4)	01/03/85-04/25/90	9	1.2	2.011	6.2	0.4	4.119	2.029	0.4	0.6	3.45	6.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/03/85-04/25/90	10	137.	145.	210.	120.	944.222	30.728	120.	120.	162.25	207.7
00940	CHLORIDE,TOTAL IN WATER MG/L	06/04/87-04/25/90	7	23.	48.429	171.	8.	3222.619	56.768	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/03/85-04/25/90	9	10.	15.722	68.	2.5	398.819	19.97	2.5	7.	14.5	68.
01042	COPPER, TOTAL (UG/L AS CU)	01/03/85-04/25/90	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/03/85-04/25/90	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/03/85-04/25/90	6 ##	115.	168.333	380.	50.	20856.667	144.418	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	01/03/85-04/25/90	10	20.	63.5	450.	0.	18955.833	137.68	0.	0.	53.75	411.5
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	01/03/85-04/25/90	10	1.301	1.024	2.653	0.	0.921	0.959	0.	0.	1.727	2.569
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			10.579								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/87-04/25/90	7 ##	0.	7.429	20.	0.	92.952	9.641	**	**	**	**

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

Parameter Inventory for Station: ARCH0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/04/87-04/25/90	7 ##	0.	0.526	1.301	0.	0.436	0.66	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.357								

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

EPA Water Quality Criteria Analysis for Station: ARCH0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00
00400	PH	Fresh Chronic	9.	9	0	0.00	4	0	0.00				4	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	9	0	0.00	4	0	0.00				4	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	0	0.00	3	0	0.00				3	0	0.00	1	0	0.00
		Drinking Water	250.	7	0	0.00	3	0	0.00				3	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	8	0	0.00	4	0	0.00	1	0	0.00	3	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	10	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	0	0.00	3	0	0.00				3	0	0.00	1	0	0.00

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

Station Inventory for Station: ARCH0110

NPS Station ID: ARCH0110 LAT/LON: 38.670833/-109.652667 Agency: 21UTAH Date Created: 12/22/90
Location: SEVEN-MILE CYN SPG .75MI AB COURTHOUSE WASH SM-1 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 599526
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 14030005021809.25 RF3 Mile Point: 9.25 Distance from RF3: 0.01 On/Off RF3:
Description:
WATER QUALITY STATION IS LOCATED IN ARCHES NP. THIS PARK IS MANAGED BY THE NATIONAL PARK SERVICE'S SOUTHEAST UTAH GROUP. WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; TELEPHONE: 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY; AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY - DIVISION OF WATER QUALITY. DATA COLLECTED AT THE SAME LOCATION PRIOR TO 4/25/1990 CAN BE FOUND AT STATION A ARCH_NPS_599526.

Parameter Inventory for Station: ARCH0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/91-03/23/92	3	12.6	14.433	18.2	12.5	10.643	3.262	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/04/91-03/23/92	2	19.15	19.15	20.	18.3	1.445	1.202	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/04/91-03/23/92	3	0.65	0.87	1.5	0.46	0.307	0.554	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/04/91-03/23/92	3	226.	290.333	420.	225.	12610.333	112.296	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/91-03/23/92	3	223.	225.567	442.	11.7	46294.463	215.161	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	05/04/91-03/23/92	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/04/91-03/23/92	3	7.1	7.667	9.	6.9	1.343	1.159	**	**	**	**
00400	PH (STANDARD UNITS)	05/04/91-03/23/92	3	8.	7.967	8.	7.9	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/04/91-03/23/92	3	8.	7.964	8.	7.9	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/91-03/23/92	3	0.01	0.011	0.013	0.01	0.	0.001	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	05/04/91-03/23/92	3	1.	2.	4.	1.	3.	1.732	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	05/04/91-03/23/92	3	7.6	7.567	7.8	7.3	0.063	0.252	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/04/91-03/23/92	3	7.6	7.518	7.8	7.3	0.067	0.259	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/91-03/23/92	3	0.025	0.03	0.05	0.016	0.	0.018	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/04/91-03/23/92	3	106.	141.667	215.	104.	4034.333	63.516	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/04/91-03/23/92	3	130.	173.	262.	127.	5943.	77.091	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	05/04/91-03/23/92	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/04/91-03/23/92	3 ##	1.5	8.667	23.	1.5	154.083	12.413	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/04/91-03/23/92	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/04/91-03/23/92	3 ##	0.05	0.057	0.07	0.05	0.	0.012	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/04/91-03/23/92	3	0.501	0.366	0.593	0.005	0.1	0.316	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/04/91-03/23/92	3 ##	0.005	0.008	0.013	0.005	0.	0.005	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/04/91-03/23/92	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/04/91-03/23/92	3	118.8	152.933	230.	110.	4473.813	66.887	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/04/91-03/23/92	3	41.	53.	80.	38.	549.	23.431	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/91-03/23/92	3	4.	5.033	7.4	3.7	4.223	2.055	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/04/91-03/23/92	3	3.1	4.4	7.	3.1	5.07	2.252	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/04/91-03/23/92	3	1.4	1.367	1.4	1.3	0.003	0.058	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	05/04/91-03/23/92	3	4.	5.5	9.2	3.3	10.39	3.223	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: ARCH0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00946	SULFATE, DISSOLVED (MG/L AS SO4)	05/04/91-03/23/92	3	12.7	15.733	25.	9.5	66.963	8.183	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	05/04/91-03/23/92	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/21/91-03/23/92	2	78.	78.	80.	76.	8.	2.828	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/21/91-03/23/92	2	48.	48.	50.	46.	8.	2.828	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/04/91-03/23/92	3	158.	184.	278.	116.	7068.	84.071	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	05/04/91-03/23/92	3	0.35	0.353	0.37	0.34	0.	0.015	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	05/04/91-03/23/92	3 ##	0.01	0.107	0.3	0.01	0.028	0.167	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3	8.1	32.4	81.	8.1	1771.47	42.089	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	05/04/91-03/23/92	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1300.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ARCH0111

NPS Station ID: ARCH0111 LAT/LON: 38.670833/-109.638833 Agency: 21UTAH Date Created: 12/22/90
Location: SLEEPY HOLLOW SPRING IN UPPER COURTHOUSE WASH SH FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 599525
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 6.50 On/Off RF1:
RF3 Index: 14030005021800.00 RF3 Mile Point: 1.34 Distance from RF3: 0.02 On/Off RF3:
Description:
WATER QUALITY STATION IS LOCATED IN ARCHES NP. THIS PARK IS MANAGED BY THE NATIONAL PARK SERVICE'S SOUTHEAST UTAH GROUP. WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENV QUALITY - DIVISION OF WATER QUALITY. DATA COLLECTED AT THE SAME LOCATION PRIOR TO 4/25/1990 CAN BE FOUND AT STATION ARCH_NPS_599525.

Parameter Inventory for Station: ARCH0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/90-08/23/99	20	11.65	13.628	21.8	3.9	32.422	5.694	5.16	9.95	19.375	21.745
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/28/90-08/23/99	20	15.	14.775	29.	6.	41.731	6.46	7.05	9.	20.525	24.6
00058	FLOW, RATE GALLONS/MIN	02/04/98-08/23/99	6	7.5	6.917	15.	0.5	32.842	5.731	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/93-09/12/95	4 ##	0.5	0.388	0.5	0.05	0.051	0.225	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/90-08/23/99	21	1.5	6.159	29.	0.268	91.349	9.558	0.285	0.775	6.955	26.64
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/28/90-08/23/99	19	252.	308.	1230.	95.	64014.556	253.011	130.	220.	277.	696.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/90-08/23/99	21	246.	229.538	318.	90.3	2992.28	54.702	123.8	194.	260.5	280.8
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/28/90-08/23/99	21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	08/28/90-08/23/99	18	7.8	7.582	13.2	3.	8.423	2.902	3.	5.003	9.975	11.4
00400	PH (STANDARD UNITS)	08/28/90-08/23/99	21	8.1	8.	8.4	7.35	0.079	0.281	7.44	7.86	8.19	8.288
00400	CONVERTED PH (STANDARD UNITS)	08/28/90-08/23/99	21	8.1	7.897	8.4	7.35	0.09	0.3	7.44	7.86	8.19	8.288
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/90-08/23/99	21	0.008	0.013	0.045	0.004	0.	0.011	0.005	0.006	0.014	0.037
00405	CARBON DIOXIDE (MG/L AS CO2)	08/28/90-08/23/99	21	2.	2.286	10.	1.	3.814	1.953	1.	1.	2.5	3.8
00406	PH, FIELD, STANDARD UNITS SU	08/28/90-08/23/99	19	7.7	7.654	8.4	6.2	0.226	0.476	7.2	7.4	7.9	8.2
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/28/90-08/23/99	19	7.7	7.255	8.4	6.2	0.394	0.628	7.2	7.4	7.9	8.2
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/90-08/23/99	19	0.02	0.056	0.631	0.004	0.02	0.14	0.006	0.013	0.04	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	21	114.	106.762	153.	39.	782.69	27.977	54.2	87.	123.5	137.4
00440	BICARBONATE ION (MG/L AS HCO3)	08/28/90-08/23/99	21	139.	130.286	187.	48.	1161.814	34.085	66.4	106.	151.5	167.8
00445	CARBONATE ION (MG/L AS CO3)	08/28/90-08/23/99	21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/90-08/23/99	21 ##	2.	7.771	37.6	1.5	99.168	9.958	1.6	2.	8.7	23.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/90-04/28/99	20 ##	0.025	0.029	0.083	0.025	0.	0.014	0.025	0.025	0.025	0.048
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/90-04/04/97	12	0.34	0.367	0.675	0.05	0.051	0.227	0.065	0.138	0.565	0.674
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/99-08/23/99	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/28/90-04/28/99	20	0.231	0.25	0.54	0.05	0.024	0.155	0.067	0.134	0.348	0.534
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/28/90-04/28/99	20 ##	0.01	0.015	0.069	0.005	0.	0.016	0.005	0.005	0.019	0.039
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/28/90-04/28/99	18 ##	0.008	0.009	0.025	0.005	0.	0.005	0.005	0.005	0.011	0.017

** - Less than 9 observations ## - 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: ARCH0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	21	123.3	114.586	156.2	40.3	824.992	28.723	60.8	94.85	131.45	146.22
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/28/90-08/23/99	21	43.7	40.667	56.	14.	105.27	10.26	21.96	33.5	46.85	52.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/28/90-08/23/99	21	3.48	3.186	4.	1.27	0.62	0.787	1.48	2.75	3.775	3.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/90-08/23/99	21	3.03	2.927	4.1	1.1	0.567	0.753	1.5	2.695	3.35	3.94
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/90-08/23/99	21	1.75	1.716	2.3	1.1	0.085	0.291	1.36	1.485	1.9	2.1
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/28/90-08/23/99	21	1.5	1.731	4.5	0.1	1.551	1.246	0.25	0.5	3.	3.4
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/28/90-08/23/99	21	10.4	9.755	23.6	5.	24.358	4.935	5.	5.	13.	14.128
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/93-08/23/99	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/01/93-08/23/99	12	240.	217.083	260.	78.	2742.811	52.372	99.6	211.75	247.5	257.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/93-08/23/99	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/93-08/23/99	12 ##	2.5	3.	5.6	2.5	1.365	1.169	2.5	2.5	2.5	5.54
01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/93-08/23/99	12 ##	6.	6.333	10.	6.	1.333	1.155	6.	6.	6.	8.8
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/93-08/23/99	12 ##	10.	13.1	47.2	10.	115.32	10.739	10.	10.	10.	36.04
01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/93-08/23/99	12 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/93-08/23/99	12	5.7	9.593	40.	2.5	129.572	11.383	2.5	2.5	8.49	35.5
01075	SILVER, DISSOLVED (UG/L AS AG)	10/01/93-08/23/99	12 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/93-08/23/99	12 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/22/96-08/23/99	11 ##	15.	43.636	150.	15.	2070.655	45.504	15.	15.	50.	142.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/93-08/23/99	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/28/90-04/10/93	5 ##	2.5	2.1	2.5	0.5	0.8	0.894	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/21/91-08/23/99	19	81.	75.947	101.	35.	292.164	17.093	42.	65.	86.	99.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/21/91-08/23/99	19	51.	47.158	63.	18.	128.363	11.33	24.	40.	55.	56.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/90-08/23/99	21	142.	136.857	192.	56.	1021.029	31.954	75.6	126.	156.	178.
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/93-08/23/99	12 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/28/90-04/10/93	5	0.27	0.256	0.32	0.15	0.004	0.067	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/28/90-04/10/93	5	0.044	0.048	0.094	0.01	0.001	0.032	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5 ##	2.5	2.3	2.5	1.5	0.2	0.447	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5	95.	135.8	340.	17.	19273.7	138.83	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/28/90-04/10/93	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0111

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	21	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	18	2	0.11	7	1	0.14	4	0	0.00	7	1	0.14			
00400	PH	Fresh Chronic	9.	21	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	21	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	19	0	0.00	8	0	0.00	4	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	19	1	0.05	8	0	0.00	4	0	0.00	7	1	0.14			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	20	0	0.00	8	0	0.00	4	0	0.00	8	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	21	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00			
		Drinking Water	250.	21	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	21	0	0.00	9	0	0.00	4	0	0.00	8	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	50.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	5.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	1300.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0111

Parameter				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01049	LEAD, DISSOLVED	Fresh Acute	82.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	15.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	100.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	5000.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	50.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	2.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	2.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			

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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/90-08/23/99	9	19.5	18.939	21.8	14.4	9.532	3.087	14.4	15.4	21.725	21.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/28/90-08/23/99	9	21.	19.111	29.	9.	36.611	6.051	9.	14.5	23.	29.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/90-08/23/99	9	1.8	7.689	29.	0.661	123.533	11.115	0.661	1.52	15.15	29.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/90-08/23/99	9	255.	238.333	318.	109.	4052.	63.655	109.	191.5	280.5	318.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/28/90-08/23/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00400	PH (STANDARD UNITS)	08/28/90-08/23/99	9	7.9	7.881	8.2	7.35	0.106	0.326	7.35	7.6	8.165	8.2
00400	CONVERTED PH (STANDARD UNITS)	08/28/90-08/23/99	9	7.9	7.763	8.2	7.35	0.122	0.349	7.35	7.6	8.165	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/90-08/23/99	9	0.013	0.017	0.045	0.006	0.	0.015	0.006	0.007	0.028	0.045
00405	CARBON DIOXIDE (MG/L AS CO2)	08/28/90-08/23/99	9	2.	3.222	10.	1.	7.194	2.682	1.	2.	3.5	10.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	9	123.	112.222	153.	48.	1044.444	32.318	48.	87.	132.5	153.
00440	BICARBONATE ION (MG/L AS HCO3)	08/28/90-08/23/99	9	151.	137.111	187.	59.	1560.111	39.498	59.	106.	162.	187.
00445	CARBONATE ION (MG/L AS CO3)	08/28/90-08/23/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/90-08/23/99	9	3.	9.011	37.6	1.5	165.401	12.861	1.5	2.	14.5	37.6
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	9	131.	118.078	156.2	54.4	1116.767	33.418	54.4	88.45	140.75	156.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/28/90-08/23/99	9	46.6	42.067	56.	19.7	140.683	11.861	19.7	31.5	50.1	56.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/28/90-08/23/99	9	3.75	3.188	4.	1.27	0.921	0.96	1.27	2.4	3.9	4.
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/90-08/23/99	9	3.2	2.95	4.	1.35	0.786	0.886	1.35	2.15	3.645	4.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/90-08/23/99	9	1.8	1.803	2.3	1.42	0.066	0.257	1.42	1.6	1.95	2.3
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/28/90-08/23/99	9 ##	1.5	1.389	3.	0.25	0.72	0.849	0.25	0.625	1.75	3.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/28/90-08/23/99	9	12.547	11.339	23.6	5.	36.001	6.	5.	5.	13.75	23.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/90-08/23/99	9	154.	143.778	192.	68.	1411.444	37.569	68.	120.	172.	192.

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/90-08/23/99	4	5.8	6.75	11.5	3.9	11.257	3.355	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/28/90-08/23/99	3	9.	11.367	19.1	6.	47.103	6.863	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/90-08/23/99	4	0.654	0.737	1.36	0.279	0.284	0.533	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/90-08/23/99	4	241.5	243.5	254.	237.	53.667	7.326	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/28/90-08/23/99	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/28/90-08/23/99	4	8.13	8.133	8.17	8.1	0.001	0.038	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/28/90-08/23/99	4	8.129	8.131	8.17	8.1	0.001	0.038	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/90-08/23/99	4	0.007	0.007	0.008	0.007	0.	0.001	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/28/90-08/23/99	4	2.	1.75	2.	1.	0.25	0.5	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	4	113.	112.5	116.	108.	11.667	3.416	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/28/90-08/23/99	4	138.	137.25	141.	132.	14.917	3.862	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/28/90-08/23/99	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/90-08/23/99	4 ##	5.2	5.35	9.	2.	15.023	3.876	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	4	121.35	123.	130.1	119.2	25.967	5.096	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/28/90-08/23/99	4	43.05	43.625	46.4	42.	3.949	1.987	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/28/90-08/23/99	4	3.47	3.438	3.5	3.31	0.007	0.087	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/90-08/23/99	4	3.055	3.015	3.1	2.85	0.013	0.114	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/90-08/23/99	4	1.82	1.85	2.1	1.66	0.034	0.183	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/28/90-08/23/99	4	3.	3.	3.5	2.5	0.167	0.408	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/28/90-08/23/99	4 ##	5.	7.	13.	5.	16.	4.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/90-08/23/99	4	144.	145.5	158.	136.	86.333	9.292	**	**	**	**

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/90-08/23/99	7	10.9	10.729	11.8	9.6	0.679	0.824	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/28/90-08/23/99	8	9.65	11.175	16.	7.	14.008	3.743	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/28/90-08/23/99	8	1.285	7.15	27.	0.268	98.762	9.938	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/28/90-08/23/99	8	235.	212.663	266.	90.3	3359.197	57.959	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/28/90-08/23/99	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/28/90-08/23/99	8	8.095	8.068	8.4	7.6	0.069	0.263	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/28/90-08/23/99	8	8.085	7.993	8.4	7.6	0.076	0.275	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/28/90-08/23/99	8	0.008	0.01	0.025	0.004	0.	0.007	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/28/90-08/23/99	8	1.	1.5	3.	1.	0.571	0.756	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	8	108.5	97.75	131.	39.	887.643	29.793	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/28/90-08/23/99	8	132.5	119.125	159.	48.	1300.125	36.057	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/28/90-08/23/99	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/28/90-08/23/99	8 ##	2.	7.588	22.	1.5	82.504	9.083	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/28/90-08/23/99	8	117.	106.45	137.9	40.3	937.906	30.625	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/28/90-08/23/99	8	41.1	37.613	49.	14.	120.118	10.96	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/28/90-08/23/99	8	3.435	3.058	3.8	1.3	0.66	0.812	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/28/90-08/23/99	8	2.965	2.858	4.1	1.1	0.706	0.84	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/28/90-08/23/99	8	1.485	1.55	2.1	1.1	0.1	0.316	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/28/90-08/23/99	8 ##	1.	1.481	4.5	0.1	2.396	1.548	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/28/90-08/23/99	8	11.05	9.351	13.841	5.	13.845	3.721	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/28/90-08/23/99	8	131.	124.75	156.	56.	995.357	31.549	**	**	**	**

** - Less than 9 observations ## - Computed 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: ARCH0112

NPS Station ID: ARCH0112
LAT/LON: 38.673615/-109.649170
Agency: 112WRD
Date Created: 02/28/78
Location: (D-24-21)31DAB-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 384025109385701
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005021804.58
RF3 Mile Point: 9.95
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/70-09/15/70	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/15/70-09/15/70	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/70-09/15/70	1	225.	225.	225.	225.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/15/70-09/15/70	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/15/70-09/15/70	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/70-09/15/70	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/15/70-09/15/70	1	133.	133.	133.	133.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/15/70-09/15/70	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/70-09/15/70	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/70-09/15/70	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/15/70-09/15/70	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/15/70-09/15/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/70-09/15/70	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/70-09/15/70	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/70-09/15/70	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/70-09/15/70	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/70-09/15/70	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/15/70-09/15/70	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/15/70-09/15/70	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/15/70-09/15/70	1	37.	37.	37.	37.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/70-09/15/70	1	143.	143.	143.	143.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/15/70-09/15/70	1	136.	136.	136.	136.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/70-09/15/70	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	09/15/70-09/15/70	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: ARCH0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	1	1.00	1	1	1.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0113

NPS Station ID: ARCH0113 LAT/LON: 38.674448/-109.497782 Agency: 11NPSWRD Date Created: 08/14/99
Location: SALT WASH 300 FEET FROM COLORADO RIVER FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ARCH_WEBB_9
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON BIG BEND UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT SALT WASH 300 FEET FROM THE COLORADO RIVER AND IS OUTSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	1	30.2	30.2	30.2	30.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	1	6640.	6640.	6640.	6640.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/88-08/14/88	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/88-08/14/88	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/88-08/14/88	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	1	2182.	2182.	2182.	2182.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0113

				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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	1	1.00	1	1	1.00									
		Drinking Water	250.	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: ARCH0114

NPS Station ID: ARCH0114
LAT/LON: 38.675809/-109.448892
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17339
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ARCH_NURE_27 /1041201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE BIG BEND UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/78-06/21/78	1	27.3	27.3	27.3	27.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/78-06/21/78	1	1800.	1800.	1800.	1800.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/21/78-06/21/78	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/21/78-06/21/78	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/21/78-06/21/78	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/21/78-06/21/78	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/21/78-06/21/78	1	35.7	35.7	35.7	35.7	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/21/78-06/21/78	1	33.	33.	33.	33.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/21/78-06/21/78	1	425.	425.	425.	425.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/21/78-06/21/78	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/21/78-06/21/78	1	97.	97.	97.	97.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/21/78-06/21/78	1	1790.	1790.	1790.	1790.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/21/78-06/21/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/21/78-06/21/78	1	213.	213.	213.	213.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/21/78-06/21/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/21/78-06/21/78	1	223.	223.	223.	223.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/21/78-06/21/78	1	19.	19.	19.	19.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/21/78-06/21/78	1	1.13	1.13	1.13	1.13	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/21/78-06/21/78	1	35717.	35717.	35717.	35717.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00										1	1	1.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0115

NPS Station ID: ARCH0115 LAT/LON: 38.677337/-109.500337 Agency: 11NPSWRD Date Created: 08/07/99
Location: SALT WASH 100 FT. UPSTREAM OF PARK BOUNDARY FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ARCH_BLM_STW1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 4000 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT SALT WASH 100 FEET UPSTREAM OF THE PARK BOUNDARY AND IS INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	30.7	30.7	30.7	30.7	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	6230.	6230.	6230.	6230.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	576.	576.	576.	576.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	1	856.	856.	856.	856.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ARCH0116

NPS Station ID: ARCH0116
LAT/LON: 38.677500/-109.448500
Agency: 21UTAH
Date Created: 01/24/98
Location: CASTLE CK AT U128 XING
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495803
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/97-06/25/98	12	12.65	13.488	20.92	7.49	18.816	4.338	7.823	10.22	17.935	20.524
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/31/97-06/25/98	12	7.15	7.1	9.1	5.	2.22	1.49	5.03	5.725	8.475	9.07
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/97-06/25/98	12	6.135	14.405	58.4	0.592	310.65	17.625	0.697	3.27	26.675	50.81
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/31/97-06/25/98	12	1838.5	1968.583	2733.	1661.	110626.265	332.605	1677.5	1732.	2183.5	2644.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/97-06/25/98	12	1770.	1903.	2740.	1630.	114348.	338.154	1633.	1682.5	2155.	2594.8
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/31/97-06/25/98	12	0.	15.25	183.	0.	2790.75	52.828	0.	0.	0.	128.1
00300	OXYGEN, DISSOLVED MG/L	07/31/97-06/25/98	12	8.81	8.923	10.1	7.61	0.891	0.944	7.631	7.922	9.898	10.052
00400	PH (STANDARD UNITS)	07/31/97-06/25/98	12	8.22	8.212	8.35	8.04	0.014	0.117	8.043	8.095	8.338	8.35
00400	CONVERTED PH (STANDARD UNITS)	07/31/97-06/25/98	12	8.22	8.197	8.35	8.04	0.014	0.118	8.043	8.095	8.337	8.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/97-06/25/98	12	0.006	0.006	0.009	0.004	0.	0.002	0.004	0.005	0.008	0.009
00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/97-06/04/98	11	2.	1.909	3.	1.	0.491	0.701	1.	1.	2.	3.
00406	PH, FIELD, STANDARD UNITS SU	07/31/97-06/25/98	12	8.4	8.493	9.06	8.28	0.055	0.234	8.286	8.305	8.665	8.952
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/97-06/25/98	12	8.4	8.446	9.06	8.28	0.057	0.239	8.286	8.305	8.665	8.952
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/97-06/25/98	12	0.004	0.004	0.005	0.001	0.	0.001	0.001	0.002	0.005	0.005
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/97-06/25/98	12	163.5	163.167	172.	153.	42.152	6.492	153.6	157.25	170.	171.7
00440	BICARBONATE ION (MG/L AS HCO3)	07/31/97-06/25/98	12	197.	181.417	210.	0.	3317.72	57.6	56.1	189.5	203.5	209.4
00445	CARBONATE ION (MG/L AS CO3)	07/31/97-06/25/98	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/97-06/25/98	12	20.8	47.3	218.	2.	3680.731	60.669	2.72	6.5	71.1	175.88
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/97-06/25/98	12 ##	0.025	0.037	0.09	0.025	0.	0.022	0.025	0.025	0.051	0.083
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/18/97-09/18/97	1	0.28	0.28	0.28	0.28	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/31/97-06/25/98	11	0.3	0.294	0.36	0.23	0.002	0.045	0.23	0.24	0.33	0.358
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/18/98-06/25/98	6 ##	0.018	0.019	0.035	0.008	0.	0.012	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/97-06/25/98	9 ##	0.01	0.009	0.015	0.005	0.	0.003	0.005	0.005	0.011	0.015
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/97-06/25/98	12	428.35	445.767	555.2	352.4	3503.893	59.194	364.91	415.15	500.125	547.64
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/97-06/25/98	12	118.5	121.783	147.	94.4	244.745	15.644	98.18	113.25	137.	146.1
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/97-06/25/98	12	32.45	34.492	45.8	28.4	26.577	5.155	29.15	31.725	38.525	44.51
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/97-06/25/98	12	209.5	220.058	343.	77.7	4214.75	64.921	113.19	199.25	264.	328.3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/97-06/25/98	12	9.08	9.579	14.4	3.86	7.074	2.66	5.231	8.655	11.413	13.98
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/97-06/25/98	12	303.75	337.083	530.	275.	6110.038	78.167	276.5	291.25	388.125	500.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/97-06/25/98	12	336.415	340.624	466.	253.83	4225.66	65.005	256.881	294.225	374.758	456.19
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/31/97-05/07/98	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/31/97-05/07/98	4	39.	39.	50.	28.	83.333	9.129	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/31/97-05/07/98	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/31/97-05/07/98	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/31/97-05/07/98	4 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/31/97-05/07/98	4 ##	10.	14.675	28.7	10.	87.423	9.35	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/31/97-05/07/98	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/97-05/07/98	4	25.5	32.7	71.	8.8	751.427	27.412	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075	SILVER, DISSOLVED (UG/L AS AG)	07/31/97-05/07/98	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/31/97-05/07/98	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/97-05/07/98	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/31/97-05/07/98	4	2.8	2.975	3.8	2.5	0.329	0.574	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/31/97-06/25/98	12	744.	775.417	1090.	636.	18479.174	135.938	642.3	670.	865.	1045.9
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/31/97-06/25/98	12	367.	385.917	550.	204.	7608.629	87.227	246.9	356.25	450.75	532.9
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/31/97-06/25/98	12	1123.	1214.333	1686.	1042.	44194.061	210.224	1049.2	1077.	1382.	1630.2
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/31/97-05/07/98	4 ##	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: ARCH0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	1	0.08	3	1	0.33	4	0	0.00	3	0	0.00	2	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00400	PH	Fresh Chronic	9.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	12	1	0.08	3	0	0.00	4	0	0.00	3	0	0.00	2	1	0.50
		Other-Lo Lim.	6.5	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	11	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	250.	12	12	1.00	3	3	1.00	4	4	1.00	3	3	1.00	2	2	1.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	12	12	1.00	3	3	1.00	4	4	1.00	3	3	1.00	2	2	1.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	15.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			

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

Station Inventory for Station: ARCH0117

NPS Station ID: ARCH0117
LAT/LON: 38.682500/-109.448333
Agency: 21UTAH
Date Created: 03/24/79
Location: CASTLE VALLEY CK AT WHITE RANCH
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495805
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005021
RF1 Mile Point: 0.010
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 14030005002000.00
RF3 Mile Point: 1.37
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/29/77-01/27/81	16	13.5	14.813	26.	1.	53.396	7.307	3.8	10.5	22.125	25.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/16/79-01/27/81	12	4.75	5.5	11.	3.	5.091	2.256	3.3	4.	7.	10.1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/29/77-01/27/81	17	6.	21.594	82.	0.3	787.656	28.065	0.46	0.55	44.5	78.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/16/79-01/27/81	14	2500.	2531.071	4000.	1400.	638169.918	798.855	1430.	1900.	3312.5	3700.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/29/77-01/27/81	17	2070.	2022.059	2910.	800.	190859.559	436.875	1392.	1850.	2230.	2478.
00300	OXYGEN, DISSOLVED MG/L	03/13/79-01/27/81	11	8.5	8.473	9.7	6.7	1.022	1.011	6.84	7.4	9.4	9.68
00310	BOD, 5 DAY, 20 DEG C MG/L	01/16/79-04/16/80	7 ##	0.5	0.643	1.	0.5	0.06	0.244	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	08/29/77-01/27/81	10	12.	16.65	43.	2.	196.725	14.026	2.55	7.5	25.	42.7
00400	PH (STANDARD UNITS)	08/29/77-12/13/79	9	8.2	8.256	8.5	8.	0.028	0.167	8.	8.15	8.4	8.5
00400	CONVERTED PH (STANDARD UNITS)	08/29/77-12/13/79	9	8.2	8.228	8.5	8.	0.029	0.169	8.	8.15	8.4	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/29/77-12/13/79	9	0.006	0.006	0.01	0.003	0.	0.002	0.003	0.004	0.007	0.01
00405	CARBON DIOXIDE (MG/L AS CO2)	08/29/77-01/27/81	19	2.	1.737	3.	1.	0.316	0.562	1.	1.	2.	2.
00406	PH, FIELD, STANDARD UNITS SU	01/16/79-01/27/81	10	8.35	8.27	9.	7.8	0.138	0.371	7.81	7.9	8.5	8.95
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/16/79-01/27/81	10	8.347	8.147	9.	7.8	0.155	0.393	7.81	7.9	8.5	8.95
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/16/79-01/27/81	10	0.004	0.007	0.016	0.001	0.	0.005	0.001	0.003	0.013	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/29/77-01/27/81	17	144.	143.235	169.	103.	293.566	17.134	115.	131.	156.	166.6
00440	BICARBONATE ION (MG/L AS HCO3)	08/29/77-01/27/81	17	176.	173.294	206.	126.	424.471	20.603	137.2	158.	190.	196.4
00445	CARBONATE ION (MG/L AS CO3)	01/10/80-08/06/80	4	3.	3.	4.	2.	1.333	1.155	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/16/79-01/27/81	12	8.	31.208	231.	0.	4198.066	64.792	0.75	3.25	26.25	178.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/28/77-01/27/81	16 ##	0.05	0.053	0.1	0.05	0.	0.013	0.05	0.05	0.05	0.065
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/16/79-01/27/81	15 ##	0.025	0.037	0.2	0.025	0.002	0.045	0.025	0.025	0.025	0.095
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/29/77-01/27/81	17	0.3	0.349	1.2	0.025	0.058	0.241	0.125	0.275	0.35	0.6
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/29/77-01/27/81	16	0.1	0.219	1.2	0.05	0.085	0.291	0.05	0.05	0.3	0.64
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-01/27/81	15	0.3	0.277	0.4	0.15	0.006	0.075	0.18	0.2	0.35	0.37
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/16/79-01/27/81	15 ##	0.025	0.049	0.22	0.01	0.004	0.06	0.01	0.01	0.06	0.166
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/16/79-01/27/81	11	1.4	4.509	19.9	0.5	34.291	5.856	0.5	1.	8.	17.52
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/29/77-01/27/81	17	500.	494.176	624.	350.	3676.029	60.63	414.	465.	527.5	588.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/29/77-01/27/81	17	136.	133.529	164.	104.	240.765	15.517	110.4	124.	138.	164.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/29/77-01/27/81	17	39.	38.941	52.	22.	46.809	6.842	27.6	39.	42.	47.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/29/77-01/27/81	17	300.	296.706	400.	173.	5321.096	72.946	182.6	240.	371.	400.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/29/77-01/27/81	17	12.	13.882	28.	3.	40.11	6.333	7.	10.	16.	25.6
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/29/77-01/27/81	17	365.	374.471	585.	210.	8939.89	94.551	242.	342.5	395.	561.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/29/77-01/27/81	17	385.	397.412	520.	256.	5588.882	74.759	275.2	355.	460.	504.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/29/77-01/27/81	17	0.5	0.498	0.58	0.38	0.003	0.051	0.388	0.49	0.53	0.564
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/29/77-01/27/81	17	17.	16.706	18.	13.	1.596	1.263	14.6	16.	17.5	18.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/16/79-01/27/81	15	1.	1.1	3.	0.5	0.507	0.712	0.5	0.5	1.	2.4
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/16/79-01/27/81	15 ##	25.	27.337	60.	0.05	170.757	13.067	15.02	25.	25.	54.
01020	BORON, DISSOLVED (UG/L AS B)	08/29/77-01/27/81	17	130.	141.353	320.	25.	4899.868	69.999	69.	92.5	180.	264.

** - Less than 9 observations ## - 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: ARCH0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/16/79-01/27/81	15 ##	0.5	1.3	5.	0.5	1.814	1.347	0.5	0.5	2.5	3.8
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/16/79-01/27/81	15 ##	5.	6.333	30.	2.5	48.988	6.999	2.5	2.5	7.5	18.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	01/16/79-01/27/81	15 ##	2.5	4.	25.	2.5	33.75	5.809	2.5	2.5	2.5	11.5
01040	COPPER, DISSOLVED (UG/L AS CU)	01/16/79-01/27/81	15 ##	5.	5.5	15.	2.5	16.25	4.031	2.5	2.5	5.	15.
01046	IRON, DISSOLVED (UG/L AS FE)	01/16/79-01/27/81	13 ##	5.	22.885	50.	2.5	506.09	22.496	3.5	5.	50.	50.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/16/79-01/27/81	15 ##	5.	7.6	39.	2.5	82.471	9.081	2.5	2.5	10.	21.6
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/16/79-01/27/81	14 ##	5.	4.643	10.	2.5	3.709	1.926	2.5	2.5	5.	7.5
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/16/79-01/27/81	15 ##	10.	10.533	30.	5.	58.374	7.64	5.	5.	12.5	27.
01075	SILVER, DISSOLVED (UG/L AS AG)	01/16/79-01/27/81	15 ##	2.5	2.667	5.	1.	2.131	1.46	1.	1.	4.	5.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/16/79-01/27/81	15 ##	2.5	3.317	7.	0.25	2.879	1.697	1.6	2.5	5.	5.8
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/16/79-01/27/81	15 ##	0.5	0.517	1.	0.25	0.022	0.148	0.4	0.5	0.5	0.7
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/29/77-01/27/81	10	590.	4160.	24000.	230.	56821888.889	7538.03	230.	380.	5550.	22530.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	08/29/77-01/27/81	10	2.754	3.066	4.38	2.362	0.496	0.704	2.362	2.566	3.717	4.339
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1163.369								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/29/77-01/27/81	10 ##	11.5	36.4	150.	11.5	2218.767	47.104	11.5	11.5	52.5	144.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	08/29/77-01/27/81	10 ##	1.061	1.327	2.176	1.061	0.182	0.427	1.061	1.061	1.69	2.154
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			21.246								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/16/79-05/16/79	5 ##	0.015	0.04	0.14	0.015	0.003	0.056	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/29/77-01/27/81	17	1310.	1343.765	1838.	950.	49024.941	221.416	1030.	1271.	1405.	1823.6
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/29/77-01/27/81	17 ##	0.01	0.015	0.04	0.01	0.	0.008	0.01	0.01	0.02	0.024
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-08/29/77	1	5.	5.	5.	5.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/29/77-01/27/81	16	0.155	0.34	2.44	0.01	0.358	0.598	0.01	0.015	0.4	1.222
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-11/28/77	2	32.5	32.5	45.	20.	312.5	17.678	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	01/16/79-01/27/81	12 ##	0.05	0.108	0.5	0.05	0.018	0.133	0.05	0.05	0.125	0.41
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/29/77-11/28/77	2	15.	15.	20.	10.	50.	7.071	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0117

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	17	3	0.18	3	0	0.00	10	2	0.20	3	1	0.33	1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00	1	0	0.00
00400	PH	Fresh Chronic	9.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	10	1	0.10	1	0	0.00	5	1	0.20	3	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	10	0	0.00	1	0	0.00	5	0	0.00	3	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	17	0	0.00	3	0	0.00	10	0	0.00	3	0	0.00	1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	17	0	0.00	3	0	0.00	10	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	250.	17	16	0.94	3	3	1.00	10	9	0.90	3	3	1.00	1	1	1.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	17	17	1.00	3	3	1.00	10	10	1.00	3	3	1.00	1	1	1.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	17	0	0.00	3	0	0.00	10	0	0.00	3	0	0.00	1	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	50.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	15	1	0.07	2	0	0.00	9	1	0.11	3	0	0.00	1	0	0.00
		Drinking Water	5.	15	1	0.07	2	0	0.00	9	1	0.11	3	0	0.00	1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	14 &	0	0.00	1	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	100.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	1300.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	15.	15	1	0.07	2	0	0.00	9	0	0.00	3	1	0.33	1	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	100.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	12 &	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	100.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00

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

EPA Water Quality Criteria Analysis for Station: ARCH0117

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01090	ZINC, DISSOLVED	Fresh Acute	120.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	5000.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	50.	15	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	1	0	0.00
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	10	4	0.40	3	2	0.67	3	1	0.33	3	0	0.00	1	1	1.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	10	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	1	0	0.00	1	0	0.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	2.	12	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						

& - 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: ARCH0118

NPS Station ID: ARCH0118
LAT/LON: 38.683000/-109.455500
Agency: 21UTAH
Date Created: 03/24/79
Location: COLORADO R BL CASTLE VALLEY
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495800
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005020
RF1 Mile Point: 3.020
Distance from RF1: 17.70
On/Off RF1: ON
RF3 Index: 14030005029700.00
RF3 Mile Point: 3.63
Distance from RF3: 1.05
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/77-10/23/78	8	16.5	16.575	23.	4.4	39.579	6.291	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/21/77-10/23/78	7	71.	110.143	360.	16.	14749.476	121.447	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/21/78-10/23/78	3	2200.	2366.667	2700.	2200.	83333.333	288.675	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/77-10/23/78	9	1750.	1651.667	2200.	1150.	104012.5	322.51	1150.	1400.	1865.	2200.
00300	OXYGEN, DISSOLVED MG/L	06/21/77-09/20/77	3	7.1	6.3	10.2	1.6	18.97	4.355	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/77-09/20/78	4	2.5	2.75	5.	1.	4.25	2.062	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	06/21/77-09/20/77	4	88.5	337.5	1155.	18.	299633.667	547.388	**	**	**	**
00400	PH (STANDARD UNITS)	06/21/77-10/23/78	10	8.45	8.34	8.5	7.9	0.052	0.227	7.91	8.15	8.5	8.5
00400	CONVERTED PH (STANDARD UNITS)	06/21/77-10/23/78	10	8.447	8.278	8.5	7.9	0.056	0.236	7.91	8.15	8.5	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/21/77-10/23/78	10	0.004	0.005	0.013	0.003	0.	0.003	0.003	0.003	0.007	0.012
00405	CARBON DIOXIDE (MG/L AS CO2)	06/21/77-10/23/78	16	2.	1.875	3.	1.	0.383	0.619	1.	1.25	2.	3.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/77-10/23/78	8	170.	168.875	226.	126.	863.839	29.391	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/21/77-10/23/78	8	203.	204.	276.	154.	1282.286	35.809	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/20/77-08/21/78	2	6.	6.	8.	4.	8.	2.828	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/77-10/23/78	8	185.	1930.5	9999.	10.	13006154.857	3606.405	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/21/77-08/21/78	4	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/77-09/20/77	3	0.05	0.083	0.15	0.05	0.003	0.058	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/21/77-10/23/78	8	1.175	1.225	2.5	0.5	0.355	0.596	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/77-10/17/77	4	1.3	6.875	24.1	0.8	132.029	11.49	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/77-10/23/78	8	550.	576.25	695.	510.	4762.5	69.011	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/21/77-10/23/78	8	152.	157.	192.	140.	369.143	19.213	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/21/77-10/23/78	8	43.5	44.5	52.	34.	39.714	6.302	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/21/77-10/23/78	8	155.	153.875	200.	120.	611.554	24.73	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/21/77-10/23/78	8	7.5	6.875	9.	4.	5.554	2.357	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/21/77-10/23/78	8	152.5	149.375	230.	90.	1595.982	39.95	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/21/77-10/23/78	8	515.	508.125	610.	350.	7985.268	89.36	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/21/77-10/23/78	8	0.445	0.444	0.54	0.35	0.003	0.055	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/21/77-10/23/78	8	12.5	10.375	14.	2.	17.982	4.241	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/21/77-10/17/77	3	1.5	1.467	1.5	1.4	0.003	0.058	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/17/77-10/17/77	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/21/77-10/23/78	8	230.	230.625	290.	175.	1867.411	43.214	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/21/77-10/17/77	4	1.5	2.	4.	1.	2.	1.414	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/23/77-10/17/77	3	10.	15.	25.	10.	75.	8.66	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/21/77-10/17/77	3	1.4	1.567	3.	0.3	1.843	1.358	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-10/23/78	4	1.	1.25	2.5	0.5	0.75	0.866	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	06/21/77-09/20/78	5	930.	9862.	24000.	150.	166661270.	12909.735	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	06/21/77-09/20/78	5	2.968	3.253	4.38	2.176	1.144	1.07	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			1792.028								

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

Parameter Inventory for Station: ARCH0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	06/21/77-09/20/78	5	2400.	3209.2	9300.	23.	14811558.7	3848.579	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	06/21/77-09/20/78	5	3.38	2.741	3.968	1.362	1.629	1.276	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			550.965								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/21/77-10/23/78	8	1214.	1171.25	1408.	860.	33053.643	181.807	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/21/77-10/23/78	6	0.025	0.028	0.05	0.01	0.	0.015	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	09/20/78-10/23/78	2	1.	1.	1.	1.	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-08/21/78	2	0.625	0.625	1.1	0.15	0.451	0.672	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-08/23/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-07/25/77	2	22.5	22.5	30.	15.	112.5	10.607	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-08/23/77	2	25.	25.	30.	20.	50.	7.071	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	06/21/77-10/23/78	8	3.035	15.376	99.99	0.23	1179.544	34.344	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-10/23/78	6	75.	582.5	2000.	15.	733317.5	856.34	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-08/23/77	3	0.2	0.367	0.8	0.1	0.143	0.379	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/77-08/23/77	1	50.	50.	50.	50.	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-07/25/77	2	8.	8.	11.	5.	18.	4.243	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-10/23/78	6	17.5	28.333	80.	5.	736.667	27.142	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	7	4	0.57	4	3	0.75	2	1	0.50				1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	1	0.33	2	1	0.50							1	0	0.00
00400	PH	Fresh Chronic	9.	10	0	0.00	6	0	0.00	3	0	0.00				1	0	0.00
		Other-Lo Lim.	6.5	10	0	0.00	6	0	0.00	3	0	0.00				1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	5	0	0.00	2	0	0.00				1	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	8	0	0.00	5	0	0.00	2	0	0.00				1	0	0.00
		Drinking Water	250.	8	0	0.00	5	0	0.00	2	0	0.00				1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	8	8	1.00	5	5	1.00	2	2	1.00				1	1	1.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	8	0	0.00	5	0	0.00	2	0	0.00				1	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	50.	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	50.	3	0	0.00	1	0	0.00	1	0	0.00				1	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	50.	4	0	0.00	3	0	0.00	1	0	0.00						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	5	2	0.40	4	2	0.50							1	0	0.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	5	3	0.60	4	3	0.75							1	0	0.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	2	0	0.00	2	0	0.00									
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	1	1	1.00	1	1	1.00									
		Drinking Water	5.	1	1	1.00	1	1	1.00									
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	2	0	0.00	1	0	0.00							1	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	2	2	1.00	2	2	1.00									
		Drinking Water	1300.	2	0	0.00	2	0	0.00									
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	3	0	0.00	2	0	0.00							1	0	0.00
		Drinking Water	2.	3	0	0.00	2	0	0.00							1	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	2	2	1.00	1	1	1.00							1	1	1.00
		Drinking Water	100.	2	0	0.00	1	0	0.00							1	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	6	0	0.00	4	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	5000.	6	0	0.00	4	0	0.00	1	0	0.00				1	0	0.00

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

Station Inventory for Station: ARCH0119

NPS Station ID: ARCH0119
LAT/LON: 38.688892/-109.416671
Agency: 21UTWR
Date Created: 02/02/79
Location: COLORADO RIVER AND HIGHWAY 128
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 004
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005022
RF1 Mile Point: 1.830
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 14030005002401.67
RF3 Mile Point: 6.84
Distance from RF3: 0.02
On/Off RF3:
Description:
DATA FROM THE UTAH DIVISION OF WILDLIFE RESOURCES SAMPLES ANALYZED FOR TOXICS SAMPLE TAKEN FROM
COLORADO RIVER AND HIGHWAY 128, 11 MILES NORTHEAST OF MOAB

Parameter Inventory for Station: ARCH0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	10/15/71-04/04/72	5	161.	321.	1041.	121.	162400.	402.989	**	**	**	**
00023	SAMPLE WEIGHT IN POUNDS	10/15/71-04/04/72	5	0.83	0.928	1.98	0.31	0.469	0.685	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/15/71-04/04/72	5	0.16	0.16	0.21	0.08	0.002	0.049	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	10/15/71-04/04/72	5	0.65	0.834	1.9	0.33	0.406	0.638	**	**	**	**
34474	SILVER WET WGTTISMG/KG	10/15/71-04/04/72	5	0.053	0.046	0.07	0.011	0.001	0.026	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	10/15/71-04/04/72	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	10/15/71-04/04/72	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/15/71-04/04/72	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	10/15/71-04/04/72	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/15/71-04/04/72	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39290	DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	10/15/71-04/04/72	5 ##	0.005	0.291	1.15	0.005	0.246	0.496	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	10/15/71-04/04/72	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	10/15/71-04/04/72	5	0.67	0.836	1.39	0.56	0.114	0.338	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	10/15/71-04/04/72	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39482	METHOXYCHLOR IN FISH - UG/KG	10/15/71-04/04/72	5 ##	5.	10.	30.	5.	125.	11.18	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/15/71-04/04/72	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/15/71-04/04/72	5	0.06	0.1	0.17	0.05	0.004	0.06	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/15/71-04/04/72	5	0.63	0.636	0.79	0.44	0.02	0.141	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/15/71-04/04/72	5	1.05	0.851	1.46	0.005	0.412	0.642	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/15/71-04/04/72	5	0.28	0.298	0.68	0.06	0.054	0.233	**	**	**	**
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	10/15/71-04/04/72	5	5.	5.	5.	5.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: ARCH0120

NPS Station ID: ARCH0120 LAT/LON: 38.691000/-109.506833 Agency: 21UTAH Date Created: 12/22/90
Location: SALT SPG 1.5MI E/NE OF WINDOWS PARKING AREA SW-5 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 599521
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 1.20 On/Off RF1:
RF3 Index: 14030005002505.32 RF3 Mile Point: 5.94 Distance from RF3: 0.21 On/Off RF3:
Description:
WATER QUALITY STATION IS LOCATED IN ARCHES NP. THIS PARK IS MANAGED BY THE NATIONAL PARK SERVICE'S SOUTHEAST UTAH GROUP. WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENV QUALITY - DIVISION OF WATER QUALITY. DATA COLLECTED AT THE SAME LOCATION PRIOR TO 4/24/1990 CAN BE FOUND AT STATION ARCH_NPS_599521.

Parameter Inventory for Station: ARCH0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/90-03/24/92	3	17.4	16.967	20.4	13.1	13.463	3.669	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/90-03/24/92	3	25.	23.333	30.5	14.5	66.083	8.129	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/90-03/24/92	3	0.63	0.967	2.1	0.17	1.016	1.008	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/90-03/24/92	3	6140.	5733.333	6310.	4750.	732433.333	855.823	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/90-03/24/92	3	4710.	4323.333	5110.	3150.	1072533.333	1035.632	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/22/90-03/24/92	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/22/90-03/24/92	3	7.5	7.5	8.	7.	0.25	0.5	**	**	**	**
00400	PH (STANDARD UNITS)	08/22/90-03/24/92	3	8.2	8.1	8.2	7.9	0.03	0.173	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/22/90-03/24/92	3	8.2	8.076	8.2	7.9	0.031	0.176	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/90-03/24/92	3	0.006	0.008	0.013	0.006	0.	0.004	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/22/90-03/24/92	3	2.	2.667	4.	2.	1.333	1.155	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/22/90-03/24/92	3	7.4	7.4	7.7	7.1	0.09	0.3	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/22/90-03/24/92	3	7.4	7.333	7.7	7.1	0.097	0.311	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/90-03/24/92	3	0.04	0.046	0.079	0.02	0.001	0.03	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/90-03/24/92	3	214.	217.667	242.	197.	516.333	22.723	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/22/90-03/24/92	3	261.	265.667	295.	241.	745.333	27.301	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/22/90-03/24/92	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/22/90-03/24/92	3	6.	5.167	8.	1.5	11.083	3.329	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/22/90-03/24/92	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-03/24/92	3 ##	0.05	0.163	0.39	0.05	0.039	0.196	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/22/90-03/24/92	3	0.372	0.344	0.41	0.251	0.007	0.083	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-03/24/92	3 ##	0.005	0.004	0.005	0.003	0.	0.001	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/22/90-03/24/92	3	0.011	0.009	0.012	0.005	0.	0.004	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/22/90-03/24/92	3	343.3	315.733	367.4	236.5	4853.643	69.668	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/90-03/24/92	3	70.	63.333	78.	42.	357.333	18.903	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/90-03/24/92	3	41.	38.333	42.	32.	30.333	5.508	**	**	**	**

** - Less than 9 observations ## - 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: ARCH0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/90-03/24/92	3	900.	823.333	1000.	570.	50633.333	225.019	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/90-03/24/92	3	13.	12.667	14.	11.	2.333	1.528	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/22/90-03/24/92	3	1297.5	1176.633	1432.5	799.9	111002.253	333.17	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/22/90-03/24/92	3	221.2	226.067	270.	187.	1740.013	41.713	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/22/90-03/24/92	3 ##	2.5	1.833	2.5	0.5	1.333	1.155	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/22/91-03/24/92	2	1747.5	1747.5	1799.	1696.	5304.5	72.832	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/22/91-03/24/92	2	1079.	1079.	1134.	1024.	6050.	77.782	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/90-03/24/92	3	2684.	2476.	2998.	1746.	424324.	651.402	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/22/90-03/24/92	3	0.06	0.063	0.083	0.047	0.	0.018	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/22/90-03/24/92	3	0.055	0.082	0.18	0.01	0.008	0.088	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3	55.	72.5	160.	2.5	6431.25	80.195	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3 ##	0.1	0.07	0.1	0.01	0.003	0.052	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3 ##	1.	1.673	3.02	1.	1.36	1.166	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-03/24/92	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0120

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00	2	0	0.00	1	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	2	0	0.00	1	0	0.00						
00400	PH	Fresh Chronic	9.	3	0	0.00	2	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	2	0.67	2	1	0.50	1	1	1.00						
		Drinking Water	250.	3	3	1.00	2	2	1.00	1	1	1.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	1	0.33	2	0	0.00	1	1	1.00						
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5.	3	0	0.00	2	0	0.00	1	0	0.00						
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	1300.	3	0	0.00	2	0	0.00	1	0	0.00						
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	0	0.00	2	0	0.00	1	0	0.00						
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5000.	3	0	0.00	2	0	0.00	1	0	0.00						

& - 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: ARCH0121

NPS Station ID: ARCH0121 LAT/LON: 38.691115/-109.506976 Agency: 11NPSWRD Date Created: 05/22/99
Location: SALT SPG 1.5 MI E/NE OF WINDOWS PARKING AREA FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_NPS_599521/SW5 /599521
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SALT SPRING IS LOCATED INSIDE THE ARCHES NATIONAL PARK BOUNDARY. THE SAMPLES WERE COLLECTED AND ANALYZED BY NATIONAL PARK SERVICE PERSONNEL. THE MONITORING BEGAN IN RESPONSE TO PROPOSED SITING OF A NUCLEAR WASTE REPOSITORY NEAR THE PARK AS STATED BY B. LONG AND R. SMITH IN THE REPORT "WATER QUALITY DATA ANALYSIS AND INTERPRETATION FOR SPRING MONITORING SITES SOUTHEAST UTAH GROUP" (AUGUST 1996). THE INITIAL MONITORING OBJECTIVES WERE TO ESTABLISH A BASELINE DATABASE; DETECT POTENTIAL CHANGES; AND IDENTIFY AREAS OF CONCERN. THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYZED THE SAMPLES IN A COOPERATIVE EFFORT WITH THE PARK SERVICE BEGINNING 8/22/1990. THESE DATA CAN BE FOUND UNDER THE STATION 599521. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/85-04/24/90	8	17.85	18.5	22.4	16.1	4.766	2.183	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/24/90-04/24/90	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/05/85-04/24/90	8	569.	554.375	651.	380.	8077.982	89.878	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/05/85-04/24/90	7	8.3	8.1	9.7	6.8	1.03	1.015	**	**	**	**
00400	PH (STANDARD UNITS)	05/05/85-04/24/90	7	6.95	6.887	7.76	6.	0.493	0.702	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/05/85-04/24/90	7	6.95	6.488	7.76	6.	0.679	0.824	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/05/85-04/24/90	7	0.112	0.325	1.	0.017	0.162	0.403	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/85-04/24/90	8	257.	256.875	360.	188.	2623.268	51.218	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	04/24/90-04/24/90	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/85-04/24/90	8 ##	0.05	0.141	0.4	0.05	0.019	0.139	**	**	**	**
00655	PHOSPHATE, POLY (MG/L AS PO4)	05/05/85-08/09/89	6	1.1	1.858	4.2	0.25	3.278	1.811	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/05/85-04/24/90	8	384.5	377.125	510.	274.	6905.839	83.101	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/14/87-04/24/90	6	1969.5	2277.833	3788.	1364.	806825.367	898.235	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/05/85-04/24/90	8	178.5	161.375	280.	70.	5561.411	74.575	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/05/85-04/24/90	6 ##	50.	70.	170.	50.	2400.	48.99	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/05/85-08/09/89	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/05/85-08/09/89	5 ##	50.	110.	250.	50.	8000.	89.443	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	08/25/85-04/24/90	4 ##	10.	30.	100.	0.	2266.667	47.61	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	08/25/85-04/24/90	4 ##	0.651	0.825	2.	0.	0.989	0.995	**	**	**	**

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

Parameter Inventory for Station: ARCH0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			6.687								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/89-04/24/90	3 ##	0.	16.667	50.	0.	833.333	28.868	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/13/89-04/24/90	3 ##	0.	0.566	1.699	0.	0.962	0.981	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.684								

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

EPA Water Quality Criteria Analysis for Station: ARCH0121

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00				4	0	0.00	1	0	0.00
00400	PH	Fresh Chronic	9.	7	0	0.00	2	0	0.00				4	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	7	2	0.29	2	0	0.00				4	1	0.25	1	1	1.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	3	0	0.00				4	0	0.00	1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	6	1.00	2	2	1.00				3	3	1.00	1	1	1.00
		Drinking Water	250.	6	6	1.00	2	2	1.00				3	3	1.00	1	1	1.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	1	0.13	3	1	0.33				4	0	0.00	1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00							1	1	1.00			
		Drinking Water	1300.	6	0	0.00	3	0	0.00				2	0	0.00	1	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	0	0.00	2	0	0.00				2	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00				2	0	0.00			

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

Station Inventory for Station: ARCH0122

NPS Station ID: ARCH0122 | LAT/LON: 38.691087/-109.507003 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: SALT SPRING | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_BIO_2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT SALT SPRING AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY DOUGLAS A. SELBY AND PAUL B. HOLDEN; "SURVEY OF FISH; INVERTEBRATES AND ALGAE IN SALT WASH; ARCHES NATIONAL PARK;" NOVEMBER 1979. THE REPORT WAS SUBMITTED BY BIO/WEST INC. TO CANYONLANDS NATIONAL PARK. DATA WERE COLLECTED IN ORDER TO IDENTIFY AND SURVEY THE AQUATIC LIFE IN THE ONLY PERENNIAL STREAM IN THE PARK; SALT WASH. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/79-10/06/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	1	3450.	3450.	3450.	3450.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/06/79-10/06/79	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/06/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/79-10/06/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/79-10/06/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	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: ARCH0122

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0123

NPS Station ID: ARCH0123 | LAT/LON: 38.691087/-109.506976 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: SALT SPRING | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_WEBB_8
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT SALT SPRING AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	1	29.2	29.2	29.2	29.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	1	6270.	6270.	6270.	6270.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/88-08/14/88	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/88-08/14/88	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/88-08/14/88	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	1	1818.	1818.	1818.	1818.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0123

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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	1	1.00	1	1	1.00									
		Drinking Water	250.	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: ARCH0124

NPS Station ID: ARCH0124 | LAT/LON: 38.691115/-109.506976 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: SALT SPRING | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_BLM_STW2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 4240 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT SALT SPRING INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT CANYONLANDS NATIONAL PARK; 2282 WEST RESOURCE BLVD.; MOAB UT 84532 (TEL. 801-259-7164). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	16.4	16.4	16.4	16.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	4180.	4180.	4180.	4180.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	272.	272.	272.	272.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	1	414.	414.	414.	414.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0124

			Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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: ARCH0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ARCH0125

NPS Station ID: ARCH0125
LAT/LON: 38.692420/-109.509726
Agency: 11NPSWRD
Date Created: 08/14/99
Location: SALT WASH 300 FEET US OF SALT SPRING
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ARCH_WEBB_7
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT SALT WASH 300 FEET UPSTREAM OF SALT SPRING AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	1	29.4	29.4	29.4	29.4	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	1	5990.	5990.	5990.	5990.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/14/88-08/14/88	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/88-08/14/88	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/88-08/14/88	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	1	1818.	1818.	1818.	1818.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0125

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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	1	1.00	1	1	1.00									
		Drinking Water	250.	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: ARCH0126

NPS Station ID: ARCH0126
LAT/LON: 38.693500/-109.357167
Agency: 21UTAH
Date Created: 03/24/79
Location: PROFESSOR CK AT DIVERSION
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495825
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005023
RF1 Mile Point: 2.770
Distance from RF1: 17.00
On/Off RF1: OFF
RF3 Index: 14030005026900.00
RF3 Mile Point: 11.56
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/77-10/22/80	17	12.	14.647	32.	0.5	112.18	10.592	0.9	6.25	24.75	31.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/12/77-10/22/80	14	2.75	3.186	6.	1.2	2.24	1.497	1.35	1.875	4.25	5.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/12/77-10/22/80	17	14.	107.706	1000.	0.2	67043.887	258.928	1.8	4.25	53.5	600.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/78-10/22/80	16	787.5	1507.188	8500.	520.	4015473.229	2003.865	527.	570.	1375.	4580.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/77-10/22/80	17	640.	801.471	1950.	415.	173639.89	416.701	491.	570.	867.5	1718.
00300	OXYGEN, DISSOLVED MG/L	03/13/79-10/22/80	11	7.6	7.936	10.8	6.4	1.895	1.376	6.42	6.5	8.8	10.48
00310	BOD, 5 DAY, 20 DEG C MG/L	07/12/77-04/16/80	9	1.	0.778	1.	0.5	0.069	0.264	0.5	0.5	1.	1.
00335	COD, .025N K2CR2O7 MG/L	12/13/79-10/22/80	9	15.	17.833	30.	7.5	70.625	8.404	7.5	11.5	27.	30.
00400	PH (STANDARD UNITS)	07/12/77-12/13/79	9	8.5	8.378	8.7	8.1	0.054	0.233	8.1	8.1	8.55	8.7
00400	CONVERTED PH (STANDARD UNITS)	07/12/77-12/13/79	9	8.5	8.322	8.7	8.1	0.058	0.241	8.1	8.1	8.55	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/77-12/13/79	9	0.003	0.005	0.008	0.002	0.	0.003	0.002	0.003	0.008	0.008
00405	CARBON DIOXIDE (MG/L AS CO2)	07/12/77-10/22/80	18	1.	1.083	2.	0.5	0.125	0.354	0.95	1.	1.	2.
00406	PH, FIELD, STANDARD UNITS SU	01/16/79-10/22/80	10	8.3	8.11	8.6	7.2	0.183	0.428	7.26	7.8	8.425	8.59
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/16/79-10/22/80	10	8.3	7.879	8.6	7.2	0.242	0.492	7.26	7.8	8.425	8.59
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/16/79-10/22/80	10	0.005	0.013	0.063	0.003	0.	0.018	0.003	0.004	0.016	0.058
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/77-10/22/80	17	108.	108.706	125.	98.	47.096	6.863	98.	104.	112.5	117.8
00440	BICARBONATE ION (MG/L AS HCO3)	07/12/77-10/22/80	17	130.	129.059	148.	112.	63.559	7.972	118.4	124.	133.	140.
00445	CARBONATE ION (MG/L AS CO3)	05/16/79-10/22/80	10	2.	3.	6.	2.	2.889	1.7	2.	2.	4.5	6.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/12/77-08/06/80	14	16.	96.393	775.	2.	42796.853	206.874	2.25	5.	89.	492.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/77-10/22/80	16 ##	0.05	0.075	0.2	0.05	0.002	0.041	0.05	0.05	0.1	0.13
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/13/78-10/22/80	16 ##	0.025	0.025	0.05	0.01	0.	0.008	0.017	0.025	0.025	0.033
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/12/77-10/22/80	17	0.15	0.178	0.5	0.025	0.021	0.146	0.045	0.05	0.25	0.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/12/77-10/22/80	16	0.1	0.213	1.	0.05	0.064	0.254	0.05	0.063	0.2	0.65
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-10/22/80	15	0.15	0.178	0.5	0.025	0.025	0.157	0.04	0.05	0.25	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/12/77-10/22/80	16	0.05	0.129	1.06	0.01	0.066	0.256	0.01	0.02	0.128	0.493
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/12/77-10/22/80	12	6.7	6.467	18.5	0.5	30.119	5.488	0.65	1.025	10.25	16.55
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/12/77-10/22/80	17	214.	243.294	465.	172.	8154.846	90.304	175.2	186.	258.	464.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/12/77-10/22/80	17	61.	71.235	144.	50.	821.816	28.667	50.	55.	73.	140.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/12/77-10/22/80	17	15.	15.941	28.	11.	22.934	4.789	11.	12.	18.	25.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/12/77-10/22/80	17	67.	84.529	295.	21.	4765.765	69.035	35.4	46.	83.	231.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/12/77-10/22/80	17	3.	3.412	12.	1.	7.507	2.74	1.	2.	4.5	8.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/12/77-10/22/80	17	54.	77.118	265.	20.	3855.985	62.097	33.6	42.	84.	205.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/12/77-10/22/80	17	134.	186.353	520.	85.	17152.868	130.969	94.6	110.5	198.	500.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/12/77-10/22/80	17	0.2	0.195	0.27	0.16	0.001	0.026	0.168	0.17	0.205	0.23
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/12/77-10/22/80	17	14.	13.588	15.	12.	1.007	1.004	12.	13.	14.	15.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	01/16/79-10/22/80	15	2.	1.767	3.	0.5	0.531	0.729	0.8	1.	2.	3.
01005	BARIUM, DISSOLVED (UG/L AS BA)	01/16/79-10/22/80	15 ##	25.	45.003	150.	0.05	1510.393	38.864	15.02	25.	70.	120.
01020	BORON, DISSOLVED (UG/L AS B)	07/12/77-10/22/80	17	93.	119.294	350.	50.	6568.471	81.046	58.	82.5	112.5	310.

** - Less than 9 observations ## - 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: ARCH0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	01/16/79-10/22/80	15 ##	0.5	0.9	2.5	0.5	0.579	0.761	0.5	0.5	1.	2.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/16/79-10/22/80	15 ##	2.5	4.333	10.	2.5	6.667	2.582	2.5	2.5	7.5	8.5
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/13/78-10/22/80	16 ##	2.5	2.656	5.	2.5	0.391	0.625	2.5	2.5	2.5	3.25
01040	COPPER, DISSOLVED (UG/L AS CU)	01/16/79-10/22/80	15 ##	5.	6.033	15.	2.5	15.124	3.889	2.5	5.	5.	15.
01046	IRON, DISSOLVED (UG/L AS FE)	03/13/78-10/22/80	15 ##	25.	79.667	730.	5.	33633.81	183.395	5.	5.	50.	376.
01049	LEAD, DISSOLVED (UG/L AS PB)	01/16/79-10/22/80	15 ##	5.	5.167	10.	2.5	7.56	2.749	2.5	2.5	5.	10.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/16/79-10/22/80	15 ##	5.	4.833	10.	2.5	3.095	1.759	2.5	5.	5.	7.
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/16/79-10/22/80	15 ##	10.	13.2	68.	5.	256.993	16.031	5.	5.	12.5	42.2
01075	SILVER, DISSOLVED (UG/L AS AG)	01/16/79-10/22/80	15 ##	2.5	2.4	5.	1.	2.293	1.514	1.	1.	2.5	5.
01090	ZINC, DISSOLVED (UG/L AS ZN)	01/16/79-10/22/80	15 ##	2.5	5.167	15.	2.5	16.488	4.061	2.5	2.5	10.	12.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	01/16/79-10/22/80	15 ##	0.5	0.517	1.	0.25	0.022	0.148	0.4	0.5	0.5	0.7
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/13/78-03/13/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/13/78-08/06/80	12	430.	1919.417	9300.	23.	11990791.356	3462.772	37.1	230.	930.	9300.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/13/78-08/06/80	12	2.633	2.7	3.968	1.362	0.573	0.757	1.507	2.362	2.968	3.968
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			501.318								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/13/78-08/06/80	12 ##	11.5	46.375	430.	11.5	14595.188	120.811	11.5	11.5	11.5	304.45
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/13/78-08/06/80	12 ##	1.061	1.192	2.633	1.061	0.206	0.454	1.061	1.061	1.061	2.162
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			15.551								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/16/79-05/16/79	5 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/12/77-10/22/80	17	402.	509.588	1306.	266.	81295.757	285.124	305.2	354.	548.	1157.2
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/12/77-10/22/80	17 ##	0.01	0.012	0.02	0.01	0.	0.004	0.01	0.01	0.01	0.02
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/13/78-03/13/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	1	4.	4.	4.	4.	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-03/13/78	2	12.5	12.5	15.	10.	12.5	3.536	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/12/77-10/22/80	16	0.24	1.096	13.	0.01	10.204	3.194	0.014	0.095	0.375	4.887
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-03/13/78	2	42.5	42.5	45.	40.	12.5	3.536	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-10/22/80	13 ##	0.05	0.088	0.2	0.05	0.003	0.058	0.05	0.05	0.125	0.2
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	1	25.	25.	25.	25.	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/13/78-03/13/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-03/13/78	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	17	4	0.24	2	0	0.00	9	3	0.33	3	1	0.33	3	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00400	PH	Fresh Chronic	9.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	10	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	10	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	16	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	17	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	17	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	3	0	0.00
		Drinking Water	250.	17	1	0.06	2	0	0.00	9	1	0.11	3	0	0.00	3	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	17	3	0.18	2	0	0.00	9	2	0.22	3	1	0.33	3	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	17	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	3	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	50.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	5.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	16	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	100.	16	0	0.00	2	0	0.00	9	0	0.00	3	0	0.00	2	0	0.00

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

EPA Water Quality Criteria Analysis for Station: ARCH0126

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01040	COPPER, DISSOLVED	Fresh Acute	18.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	1300.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	15.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	100.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	12 &	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	100.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	5000.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	50.	15	0	0.00	2	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	12	2	0.17	2	1	0.50	5	0	0.00	3	1	0.33	2	0	0.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	12	1	0.08	2	0	0.00	5	1	0.20	3	0	0.00	2	0	0.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	1	0	0.00				1	0	0.00						
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	1	1	1.00				1	1	1.00						
		Drinking Water	5.	1	0	0.00				1	0	0.00						
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	1	0	0.00				1	0	0.00						
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	2	0	0.00				1	0	0.00				1	0	0.00
		Drinking Water	1300.	2	0	0.00				1	0	0.00				1	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	1	1.00				1	1	1.00						
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	13	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	2.	13	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00	2	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1	1	1.00				1	1	1.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	2	0	0.00				1	0	0.00				1	0	0.00
		Drinking Water	5000.	2	0	0.00				1	0	0.00				1	0	0.00

& - 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: ARCH0127

NPS Station ID: ARCH0127 LAT/LON: 38.695642/-109.509892 Agency: 11NPSWRD Date Created: 08/14/99
Location: POOL 2B AT UNNAMED SPRING DS OF WALL SPRING FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_WEBB_6
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT POOL 2B AT AN UNNAMED SPRING DOWNSTREAM OF WALL SPRING AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. AT THIS SITE THE SPECIFIC CONDUCTANCE VALUE GIVEN IS THE REPORTED VALUE. THE VALUE FROM THE FIELD NOTES IS MUCH LOWER AND NOT CONSISTANT WITH THE VALUE FOR NEARBY POOL 1B. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0127

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	1	28.3	28.3	28.3	28.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	1	6150.	6150.	6150.	6150.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/88-08/14/88	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/88-08/14/88	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	1	1212.	1212.	1212.	1212.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0127

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	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	1	1.00	1	1	1.00									
		Drinking Water	250.	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: ARCH0128

NPS Station ID: ARCH0128 LAT/LON: 38.695865/-109.509588 Agency: 11NPSWRD Date Created: 08/14/99
Location: POOL 1B AT UNNAMED SPRING DS OF WALL SPRING FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_WEBB_5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT POOL 1B AT AN UNNAMED SPRING DOWNSTREAM OF WALL SPRING AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/88-08/14/88	1	29.9	29.9	29.9	29.9	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/14/88-08/14/88	1	6470.	6470.	6470.	6470.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/14/88-08/14/88	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/14/88-08/14/88	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/88-08/14/88	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/88-08/14/88	1	1939.	1939.	1939.	1939.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0128

				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00406	PH, FIELD	Fresh Chronic	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	1	1.00	1	1	1.00									
		Drinking Water	250.	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: ARCH0129

NPS Station ID: ARCH0129 | LAT/LON: 38.697392/-109.517199 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: WALL SPRING | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_WEBB_4
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT WALL SPRING AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/88-08/14/88	2	18.2	18.2	20.1	16.3	7.22	2.687	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/13/88-08/14/88	2	5075.	5075.	5140.	5010.	8450.	91.924	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/13/88-08/14/88	2	6.8	6.8	7.3	6.3	0.5	0.707	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/13/88-08/14/88	2	6.7	6.7	7.1	6.3	0.32	0.566	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/13/88-08/14/88	2	6.537	6.537	7.1	6.3	0.373	0.611	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/88-08/14/88	2	0.29	0.29	0.501	0.079	0.089	0.298	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/88-08/13/88	1	1606.	1606.	1606.	1606.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0129

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	1	0.50	2	1	0.50									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		Drinking Water	250.	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: ARCH0130

NPS Station ID: ARCH0130 | LAT/LON: 38.700000/-109.628000 | Agency: 21UTAH | Date Created: 12/22/90
Location: WILLOW SPRING WS-1 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): 599527
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: | Elevation: 0 | Water Body Id:
Minor Basin: | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 14030005023600.00 | RF3 Mile Point: 0.83 | Distance from RF3: 0.01 | On/Off RF3:
Description:
WATER QUALITY STATION IS LOCATED IN ARCHES NP. THIS PARK IS MANAGED BY THE NATIONAL PARK SERVICE'S SOUTHEAST UTAH GROUP. WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; TELEPHONE: 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY; AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY - DIVISION OF WATER QUALITY. DATA COLLECTED AT THE SAME LOCATION PRIOR TO 5/3/1990 CAN BE FOUND AT STATION ARCH_NPS_599527.

Parameter Inventory for Station: ARCH0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/90-11/28/99	14	16.95	15.521	30.5	4.5	69.759	8.352	4.9	6.075	20.9	29.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/22/90-11/28/99	13	22.	20.723	35.	10.	77.58	8.808	10.	12.2	26.25	35.
00058	FLOW, RATE GALLONS/MIN	02/04/98-11/28/99	8	0.5	1.075	3.	0.05	1.203	1.097	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/22/90-11/28/99	14	1.395	1.373	3.09	0.235	0.625	0.79	0.305	0.789	1.658	2.84
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/22/90-11/28/99	14	528.5	526.571	660.	260.	10939.033	104.59	321.5	511.75	616.5	653.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/22/90-11/28/99	14	543.5	511.5	691.	268.	12138.423	110.175	301.	447.5	568.5	639.5
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/22/90-11/28/99	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	08/22/90-08/16/99	13	6.8	6.698	10.4	1.5	4.85	2.202	2.34	6.25	7.85	9.64
00400	PH (STANDARD UNITS)	08/22/90-11/28/99	14	8.175	8.098	8.3	7.49	0.049	0.222	7.645	8.	8.253	8.29
00400	CONVERTED PH (STANDARD UNITS)	08/22/90-11/28/99	14	8.175	8.029	8.3	7.49	0.054	0.233	7.645	8.	8.252	8.29
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/90-11/28/99	14	0.007	0.009	0.032	0.005	0.	0.007	0.005	0.006	0.01	0.024
00405	CARBON DIOXIDE (MG/L AS CO2)	08/22/90-11/28/99	14	3.	4.143	17.	0.	15.978	3.997	1.	2.75	4.	12.
00406	PH, FIELD, STANDARD UNITS SU	08/22/90-11/28/99	14	7.75	7.619	8.2	5.8	0.376	0.613	6.45	7.4	8.025	8.15
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/22/90-11/28/99	14	7.747	6.87	8.2	5.8	0.98	0.99	6.45	7.4	8.025	8.15
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/90-11/28/99	14	0.018	0.135	1.585	0.006	0.175	0.418	0.007	0.009	0.04	0.832
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/22/90-11/28/99	14	238.	225.571	277.	76.	2482.11	49.821	126.5	213.	251.5	271.5
00440	BICARBONATE ION (MG/L AS HCO3)	08/22/90-11/28/99	14	290.	275.071	338.	93.	3675.764	60.628	154.5	260.	307.	331.
00445	CARBONATE ION (MG/L AS CO3)	08/22/90-11/28/99	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/22/90-11/28/99	14 ##	2.	6.921	50.4	1.5	165.777	12.875	1.5	1.875	6.7	30.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/22/90-04/28/99	12 ##	0.025	0.033	0.09	0.025	0.	0.019	0.025	0.025	0.025	0.078
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/22/90-04/03/97	5	0.1	0.196	0.48	0.05	0.031	0.176	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/22/91-08/16/99	2 ##	0.553	0.553	1.1	0.005	0.6	0.774	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/22/90-11/28/99	12 ##	0.05	0.041	0.09	0.01	0.001	0.025	0.01	0.01	0.05	0.081
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/22/90-11/28/99	14 ##	0.01	0.014	0.072	0.003	0.	0.018	0.004	0.005	0.012	0.047
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/22/90-04/28/99	9 ##	0.01	0.009	0.018	0.005	0.	0.004	0.005	0.005	0.01	0.018
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/22/90-11/28/99	14	249.45	242.143	348.9	111.9	2713.5	52.091	150.05	223.375	266.9	311.15
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/90-11/28/99	14	76.4	74.6	111.	30.	330.718	18.186	44.05	65.925	84.8	98.5
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/90-11/28/99	14	13.6	13.614	17.5	9.	4.643	2.155	9.75	12.9	15.	16.95
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/90-11/28/99	14	16.1	16.632	25.	7.24	34.985	5.915	7.775	12.675	22.975	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

Parameter Inventory for Station: ARCH0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/90-11/28/99	14	2.715	2.779	4.33	1.9	0.46	0.678	1.95	2.32	3.018	4.1
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/22/90-11/28/99	14	11.75	11.464	19.	5.5	12.326	3.511	6.25	8.875	13.	17.5
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/22/90-11/28/99	14	38.11	39.566	84.3	10.	499.695	22.354	10.35	20.525	57.75	76.55
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/29/97-11/28/99	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/29/97-11/28/99	8	335.	319.063	450.	2.5	19242.746	138.718	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/29/97-11/28/99	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/29/97-11/28/99	8 ##	2.5	2.813	5.	2.5	0.781	0.884	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/29/97-11/28/99	8 ##	6.	11.	46.	6.	200.	14.142	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/29/97-11/28/99	8	27.75	27.788	52.7	10.	299.261	17.299	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/29/97-11/28/99	8 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/29/97-11/28/99	8	57.5	59.05	120.	5.4	1396.134	37.365	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	08/29/97-11/28/99	8 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/29/97-11/28/99	8 ##	15.	17.75	37.	15.	60.5	7.778	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/29/97-11/28/99	8 ##	15.	38.875	130.	15.	1732.982	41.629	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/29/97-11/28/99	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/22/90-02/04/99	6 ##	1.5	1.5	2.5	0.5	1.2	1.095	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/12/91-11/28/99	12	193.5	192.25	269.	122.	1324.023	36.387	132.8	167.75	210.	253.1
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/12/91-11/28/99	12	111.	110.75	155.	78.	348.75	18.675	81.9	99.5	118.75	144.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/22/90-11/28/99	14	332.	309.357	486.	101.	8723.94	93.402	135.5	271.5	358.5	424.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/22/91-04/22/91	1	0.023	0.023	0.023	0.023	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/29/97-11/28/99	8 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/03/97-02/04/99	2 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/22/90-02/04/99	6	0.285	0.285	0.37	0.2	0.003	0.056	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6 ##	2.5	4.607	11.	2.5	12.552	3.543	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6 ##	10.	8.667	10.	6.	4.267	2.066	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/22/90-02/04/99	6 ##	0.016	0.033	0.097	0.01	0.001	0.035	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6 ##	2.5	2.167	2.5	1.5	0.267	0.516	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6	72.545	158.515	560.	12.	43493.855	208.552	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/22/90-02/04/99	6 ##	10.	11.667	15.	10.	6.667	2.582	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0130

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	13	2	0.15	5	1	0.20	4	0	0.00	4	1	0.25			
00400	PH	Fresh Chronic	9.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	14	1	0.07	5	0	0.00	5	0	0.00	4	1	0.25			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	250.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	50.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	5.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	8	1	0.13	3	1	0.33	3	0	0.00	2	0	0.00			
		Drinking Water	1300.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	15.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0130

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01075	SILVER, DISSOLVED	Fresh Acute	4.1	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	5000.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	50.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	2.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	2.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			

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

Station Inventory for Station: ARCH0131

NPS Station ID: ARCH0131 | LAT/LON: 38.700004/-109.628060 | Agency: 11NPSWRD | Date Created: 05/22/99
Location: WILLOW SPRING | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_NPS_599527/WS1 /599527
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MERRIMAC BUTTE UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. WILLOW SPRING IS LOCATED INSIDE THE ARCHES NATIONAL PARK BOUNDARY. THE SAMPLES WERE COLLECTED AND ANALYZED BY NATIONAL PARK SERVICE PERSONNEL. THE MONITORING BEGAN IN RESPONSE TO PROPOSED SITING OF A NUCLEAR WASTE REPOSITORY NEAR THE PARK AS STATED BY B. LONG AND R. SMITH IN THE REPORT "WATER QUALITY DATA ANALYSIS AND INTERPRETATION FOR SPRING MONITORING SITES SOUTHEAST UTAH GROUP" (AUGUST 1996). THE INITIAL MONITORING OBJECTIVES WERE TO ESTABLISH A BASELINE DATABASE; DETECT POTENTIAL CHANGES; AND IDENTIFY AREAS OF CONCERN. THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYZED THE SAMPLES IN A COOPERATIVE EFFORT WITH THE PARK SERVICE BEGINNING 8/22/1990. THESE DATA CAN BE FOUND UNDER THE STATION 599527. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/85-05/03/90	9	17.3	17.4	34.6	1.3	80.645	8.98	1.3	12.55	21.3	34.6
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	12/10/86-05/13/87	2	12.33	12.33	20.16	4.5	122.618	11.073	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/10/86-05/13/87	2	0.025	0.025	0.04	0.01	0.	0.021	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	05/03/90-05/03/90	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/85-05/03/90	9	567.	538.333	633.	362.	8305.	91.132	362.	471.5	601.	633.
00300	OXYGEN, DISSOLVED MG/L	05/03/85-05/03/90	8	7.8	8.263	15.2	4.5	10.371	3.22	**	**	**	**
00400	PH (STANDARD UNITS)	05/03/85-05/03/90	8	7.55	7.27	7.7	6.3	0.365	0.604	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/03/85-05/03/90	8	7.547	6.839	7.7	6.3	0.578	0.76	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/03/85-05/03/90	8	0.028	0.145	0.501	0.02	0.048	0.22	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/84-05/03/90	12	231.	197.875	308.	8.5	10522.369	102.579	11.05	142.75	283.25	305.6
00480	SALINITY - PARTS PER THOUSAND	05/03/90-05/03/90	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/84-05/03/90	9 ##	0.05	0.18	0.9	0.05	0.08	0.282	0.05	0.05	0.21	0.9
00655	PHOSPHATE, POLY (MG/L AS PO4)	12/27/84-08/10/89	10	1.9	2.625	7.8	0.05	6.508	2.551	0.095	0.5	4.375	7.57
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/84-05/03/90	12	267.	263.25	380.	171.	4662.386	68.282	173.7	196.	316.5	373.7
00940	CHLORIDE,TOTAL IN WATER MG/L	05/10/88-05/03/90	5	53.	57.6	68.	46.	98.3	9.915	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/84-05/03/90	11	37.	38.909	84.	11.	313.291	17.7	14.6	32.	41.	77.2
01042	COPPER, TOTAL (UG/L AS CU)	12/27/84-05/03/90	11 ##	50.	165.455	630.	50.	35227.273	187.689	50.	50.	250.	580.
01045	IRON, TOTAL (UG/L AS FE)	12/27/84-05/03/90	11 ##	50.	80.	300.	50.	5900.	76.811	50.	50.	50.	266.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/03/85-05/03/90	9	200.	194.444	300.	50.	4252.778	65.213	50.	185.	215.	300.

** - Less than 9 observations ## - 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: ARCH0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/27/84-05/03/90	12 ##	15.	793.333	7210.	0.	4389951.515	2095.221	0.	0.	180.	5632.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/27/84-05/03/90	12 ##	0.739	1.204	3.858	0.	2.003	1.415	0.	0.	2.201	3.688
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			15.985								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-05/03/90	8 ##	0.	1259.	10000.	0.	12474619.429	3531.943	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-05/03/90	8 ##	0.	0.88	4.	0.	2.07	1.439	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			7.589								

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

EPA Water Quality Criteria Analysis for Station: ARCH0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	3	0	0.00				5	0	0.00			
00400	PH	Fresh Chronic	9.	8	0	0.00	3	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	8	2	0.25	3	0	0.00				5	2	0.40			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	9	0	0.00	3	0	0.00	2	0	0.00	4	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.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	5	1.00	2	2	1.00				3	3	1.00			
		Drinking Water	1300.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	12	2	0.17	4	0	0.00	3	1	0.33	5	1	0.20			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	8	1	0.13	3	0	0.00	1	0	0.00	4	1	0.25			

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

Station Inventory for Station: ARCH0132

NPS Station ID: ARCH0132 | LAT/LON: 38.700004/-109.628060 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: WILLOW SPRING | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_BLM_WISP
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 4240 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MERRIMAC BUTTE UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT WILLOW SPRING INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT CANYONLANDS NATIONAL PARK; 2282 WEST RESOURCE BLVD.; MOAB UT 84532 (TEL. 801-259-7164). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	22.9	22.9	22.9	22.9	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	674.	674.	674.	674.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	256.	256.	256.	256.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	1	16.	16.	16.	16.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0132

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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: ARCH0132

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	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: ARCH0133

NPS Station ID: ARCH0133
LAT/LON: 38.700837/-109.627503
Agency: 112WRD
Date Created: 02/28/78
Location: (D-24-21)20CAD-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 384203109373901
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005023600.00
RF3 Mile Point: 0.77
Distance from RF3: 0.22
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/70-09/15/70	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/15/70-09/15/70	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/15/70-09/15/70	1	639.	639.	639.	639.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/15/70-09/15/70	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/15/70-09/15/70	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/70-09/15/70	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/15/70-09/15/70	1	255.	255.	255.	255.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/15/70-09/15/70	1	265.	265.	265.	265.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/15/70-09/15/70	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/70-09/15/70	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/70-09/15/70	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/15/70-09/15/70	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/15/70-09/15/70	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/70-09/15/70	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/15/70-09/15/70	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/15/70-09/15/70	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/70-09/15/70	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/70-09/15/70	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/70-09/15/70	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/15/70-09/15/70	1	800.	800.	800.	800.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/15/70-09/15/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/15/70-09/15/70	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/15/70-09/15/70	1	89.	89.	89.	89.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/15/70-09/15/70	1	409.	409.	409.	409.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/15/70-09/15/70	1	396.	396.	396.	396.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/15/70-09/15/70	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	09/15/70-09/15/70	1	20.	20.	20.	20.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0133

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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									
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									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	1	1.00	1	1	1.00									
		Drinking Water	50.	1	1	1.00	1	1	1.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0134

NPS Station ID: ARCH0134
LAT/LON: 38.705003/-109.316949
Agency: 112WRD
Date Created: 01/26/80
Location: ONION CREEK SEEP SITE NUMBER 19.
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384218109190101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005003000.00
RF3 Mile Point: 10.12
Distance from RF3: 0.07
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	1	3725.	3725.	3725.	3725.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/79-07/17/79	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	700.	700.	700.	700.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	1	570.	570.	570.	570.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	1	570.	570.	570.	570.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/17/79-07/17/79	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	1	580.	580.	580.	580.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	1	760.	760.	760.	760.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	1	2340.	2340.	2340.	2340.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	1	5.88	5.88	5.88	5.88	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	1	3.18	3.18	3.18	3.18	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: ARCH0134

			Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: ARCH0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
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: ARCH0135

NPS Station ID: ARCH0135
LAT/LON: 38.705281/-109.303059
Agency: 112WRD
Date Created: 01/26/80
Location: ONION CREEK SEEP SITE NUMBER 15.
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384219109181101
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 27.80
On/Off RF1:
RF3 Index: 14030005003000.00
RF3 Mile Point: 5.28
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/18/79-07/18/79	1	30.5	30.5	30.5	30.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/18/79-07/18/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/18/79-07/18/79	1	3550.	3550.	3550.	3550.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/18/79-07/18/79	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/18/79-07/18/79	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/18/79-07/18/79	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/18/79-07/18/79	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/18/79-07/18/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/18/79-07/18/79	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/18/79-07/18/79	1	680.	680.	680.	680.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/18/79-07/18/79	1	550.	550.	550.	550.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/18/79-07/18/79	1	180.	180.	180.	180.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/18/79-07/18/79	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/18/79-07/18/79	1	520.	520.	520.	520.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/18/79-07/18/79	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/18/79-07/18/79	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/18/79-07/18/79	1	530.	530.	530.	530.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/18/79-07/18/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/18/79-07/18/79	1	760.	760.	760.	760.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/18/79-07/18/79	1	610.	610.	610.	610.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/18/79-07/18/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/18/79-07/18/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/18/79-07/18/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/18/79-07/18/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/18/79-07/18/79	1	2240.	2240.	2240.	2240.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/18/79-07/18/79	1	3.87	3.87	3.87	3.87	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/18/79-07/18/79	1	3.05	3.05	3.05	3.05	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: ARCH0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
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: ARCH0136

NPS Station ID: ARCH0136
LAT/LON: 38.706392/-109.314448
Agency: 112WRD
Date Created: 11/07/81
Location: ONION CREEK BELOW ONION CRK BRIDGE NR MOAB, UT.
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 09180970
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 18.00
On/Off RF1:
RF3 Index: 14030005003005.13
RF3 Mile Point: 6.69
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/06/80-10/08/81	14	14.25	15.214	28.5	1.	66.335	8.145	2.75	10.	21.25	27.75
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/06/80-10/08/81	14	19.5	20.071	36.5	5.5	106.841	10.336	5.75	9.75	29.25	34.
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/06/80-10/08/81	15	1.	1.52	6.	0.5	1.809	1.345	0.68	0.8	2.	3.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/06/80-10/08/81	15	3400.	3649.333	4910.	2430.	695149.524	833.756	2652.	2930.	4460.	4844.
00400	PH (STANDARD UNITS)	02/06/80-10/08/81	15	8.1	8.073	8.6	7.4	0.065	0.255	7.7	8.	8.2	8.42
00400	CONVERTED PH (STANDARD UNITS)	02/06/80-10/08/81	15	8.1	7.991	8.6	7.4	0.072	0.269	7.7	8.	8.2	8.42
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/06/80-10/08/81	15	0.008	0.01	0.04	0.003	0.	0.009	0.004	0.006	0.01	0.023
00403	PH, LAB, STANDARD UNITS SU	03/06/81-10/08/81	7	7.8	7.671	8.1	7.2	0.099	0.315	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/06/81-10/08/81	7	7.8	7.569	8.1	7.2	0.111	0.333	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/81-10/08/81	7	0.016	0.027	0.063	0.008	0.	0.021	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/06/80-09/18/80	6	150.	160.	220.	120.	1240.	35.214	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	02/06/80-10/08/81	15	1.1	1.113	1.9	0.7	0.1	0.316	0.76	0.9	1.3	1.72
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/06/80-10/08/81	15	0.02	0.025	0.08	0.005	0.	0.021	0.005	0.01	0.03	0.068
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/06/80-10/08/81	15	770.	833.333	1400.	400.	55452.381	235.483	544.	720.	930.	1280.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	02/06/80-11/21/80	8	655.	625.	790.	180.	38942.857	197.339	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/06/80-10/08/81	15	220.	239.333	450.	120.	6335.238	79.594	150.	200.	270.	396.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/06/80-10/08/81	15	59.	56.933	69.	25.	110.638	10.518	40.6	53.	65.	67.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/06/80-10/08/81	15	450.	506.	770.	370.	21182.857	145.543	370.	390.	660.	758.
00931	SODIUM ADSORPTION RATIO	02/06/80-10/08/81	15	6.7	7.693	11.	5.8	3.551	1.884	5.8	6.4	10.	11.
00932	SODIUM, PERCENT	02/06/80-10/08/81	15	54.	52.4	65.	7.	192.971	13.891	28.6	51.	63.	63.8
00933	SODIUM,PLUS POTASSIUM (MG/L)	02/06/80-02/06/80	1	790.	790.	790.	790.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/06/80-10/08/81	15	12.	12.74	19.	5.1	16.385	4.048	6.84	10.	15.	19.
00940	CHLORIDE,TOTAL IN WATER MG/L	02/06/80-10/08/81	15	690.	768.667	1200.	470.	64469.524	253.908	476.	540.	980.	1200.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/06/80-10/08/81	15	660.	698.	1200.	430.	36802.857	191.841	508.	570.	780.	1080.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/06/80-10/08/81	15	0.3	0.313	0.5	0.1	0.008	0.092	0.16	0.3	0.4	0.44
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/06/80-10/08/81	15	17.	15.54	19.	1.1	20.774	4.558	7.04	16.	18.	18.4
01046	IRON, DISSOLVED (UG/L AS FE)	02/06/80-10/08/81	13	30.	34.615	60.	10.	293.59	17.134	10.	20.	50.	60.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/06/80-10/08/81	13	20.	37.692	160.	0.	2135.897	46.216	4.	10.	55.	136.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	02/06/80-10/08/81	15	2100.	2396.667	3260.	1600.	345352.381	587.667	1702.	1860.	2970.	3242.
70302	SOLIDS, DISSOLVED-TONS PER DAY	02/06/80-10/08/81	15	6.5	7.448	16.	2.41	15.837	3.98	3.082	4.64	9.36	15.4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	02/06/80-10/08/81	15	2.86	3.261	4.43	2.18	0.636	0.797	2.318	2.53	4.04	4.406
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	03/06/81-06/26/81	4	8.6	8.425	9.	7.5	0.523	0.723	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0136

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	15	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	15	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
00403	PH, LAB	Fresh Chronic	9.	7	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	7	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	15	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	15	5	0.33	5	2	0.40	5	1	0.20	3	1	0.33	2	1	0.50
		Drinking Water	250.	15	15	1.00	5	5	1.00	5	5	1.00	3	3	1.00	2	2	1.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	15	15	1.00	5	5	1.00	5	5	1.00	3	3	1.00	2	2	1.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	15	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00

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

Station Inventory for Station: ARCH0137

NPS Station ID: ARCH0137
LAT/LON: 38.706948/-109.308337
Agency: 112WRD
Date Created: 05/19/79
Location: ONION CREEK SITE NUMBER 17
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384225109183001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005010900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/79-09/27/79	7	23.5	20.929	30.	7.	74.869	8.653	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/22/79-09/27/79	7	1.	1.214	2.	0.8	0.295	0.543	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/22/79-09/27/79	7	4000.	3989.286	5325.	3150.	558303.571	747.197	**	**	**	**
00400	PH (STANDARD UNITS)	03/22/79-09/27/79	7	8.4	8.314	8.5	8.1	0.021	0.146	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/22/79-09/27/79	7	8.4	8.293	8.5	8.1	0.022	0.148	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/79-09/27/79	7	0.004	0.005	0.008	0.003	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/79-09/27/79	7	140.	148.571	180.	120.	547.619	23.401	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/22/79-09/27/79	7	1.	0.971	1.2	0.8	0.016	0.125	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/22/79-03/22/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/22/79-09/27/79	7 ##	0.005	0.009	0.02	0.005	0.	0.006	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/22/79-03/22/79	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/22/79-09/27/79	7	770.	810.	1100.	660.	20666.667	143.759	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/22/79-09/27/79	7	650.	657.143	890.	520.	13857.143	117.716	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/22/79-09/27/79	7	200.	222.857	320.	180.	2490.476	49.905	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/22/79-09/27/79	7	60.	60.429	75.	51.	61.952	7.871	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/22/79-09/27/79	7	560.	557.143	700.	390.	10023.81	100.119	**	**	**	**
00931	SODIUM ADSORPTION RATIO	03/22/79-09/27/79	7	8.9	8.557	9.4	6.1	1.333	1.154	**	**	**	**
00932	SODIUM, PERCENT	03/22/79-09/27/79	7	62.	63.286	70.	58.	23.571	4.855	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	06/05/79-09/27/79	5	530.	528.	620.	400.	6970.	83.487	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/22/79-09/27/79	7	16.	16.	21.	13.	8.667	2.944	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/79-09/27/79	7	830.	834.286	1100.	590.	34061.905	184.559	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/22/79-09/27/79	7	610.	634.286	810.	550.	6995.238	83.638	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/22/79-09/27/79	7	0.3	0.343	0.4	0.3	0.003	0.053	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/22/79-09/27/79	6	16.5	16.5	19.	14.	3.5	1.871	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/22/79-09/27/79	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/22/79-09/27/79	7	20.	13.571	20.	5.	64.286	8.018	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/22/79-09/27/79	7	2360.	2432.857	3140.	1910.	169857.143	412.137	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	03/22/79-09/27/79	7	6.26	8.519	16.3	4.13	24.43	4.943	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/22/79-09/27/79	7	3.21	3.31	4.27	2.6	0.313	0.56	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0137

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	7	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	7	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	7	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	7	3	0.43	3	0	0.00	1	1	1.00	1	1	1.00	2	1	0.50
		Drinking Water	250.	7	7	1.00	3	3	1.00	1	1	1.00	1	1	1.00	2	2	1.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	7	1.00	3	3	1.00	1	1	1.00	1	1	1.00	2	2	1.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	7	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00

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

Station Inventory for Station: ARCH0138

NPS Station ID: ARCH0138 LAT/LON: 38.707865/-109.514003 Agency: 11NPSWRD Date Created: 08/14/99
Location: POOL 2A AT UNNAMED SPRING US OF WALL SPRING FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_WEBB_3
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT POOL 2A AT AN UNNAMED SPRING UPSTREAM OF WALL SPRING AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/88-08/13/88	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/13/88-08/13/88	1	5960.	5960.	5960.	5960.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/13/88-08/13/88	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/13/88-08/13/88	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/13/88-08/13/88	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/88-08/13/88	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/88-08/13/88	1	1848.	1848.	1848.	1848.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0138

				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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	1	1.00	1	1	1.00									
		Drinking Water	250.	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: ARCH0139

NPS Station ID: ARCH0139 LAT/LON: 38.708615/-109.514753 Agency: 11NPSWRD Date Created: 08/14/99
Location: POOL 1A AT UNNAMED SPRING US OF WALL SPRING FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_WEBB_2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT POOL 1A AT AN UNNAMED SPRING UPSTREAM OF WALL SPRING AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/13/88-08/13/88	1	21.1	21.1	21.1	21.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/13/88-08/13/88	1	5200.	5200.	5200.	5200.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/13/88-08/13/88	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/13/88-08/13/88	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/13/88-08/13/88	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/13/88-08/13/88	1	5.012	5.012	5.012	5.012	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/13/88-08/13/88	1	1697.	1697.	1697.	1697.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0139

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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	1	1.00	1	1	1.00									
		Drinking Water	250.	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: ARCH0140

NPS Station ID: ARCH0140 | LAT/LON: 38.712921/-109.518198 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: LOWER SALT WASH | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_BIO_1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT LOWER SALT WASH AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY DOUGLAS A. SELBY AND PAUL B. HOLDEN; "SURVEY OF FISH; INVERTEBRATES AND ALGAE IN SALT WASH; ARCHES NATIONAL PARK;" NOVEMBER 1979. THE REPORT WAS SUBMITTED BY BIO/WEST INC. TO CANYONLANDS NATIONAL PARK. DATA WERE COLLECTED IN ORDER TO IDENTIFY AND SURVEY THE AQUATIC LIFE IN THE ONLY PERENNIAL STREAM IN THE PARK; SALT WASH. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/79-10/06/79	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	1	5000.	5000.	5000.	5000.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/06/79-10/06/79	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/06/79	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/79-10/06/79	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/79-10/06/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0140

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0141

NPS Station ID: ARCH0141 | LAT/LON: 38.713309/-109.731393 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17502 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_NURE_11 /1041243
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MERRIMAC BUTTE UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/78-06/26/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/26/78-06/26/78	1	780.	780.	780.	780.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/26/78-06/26/78	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/26/78-06/26/78	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/78-06/26/78	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/26/78-06/26/78	1	54.8	54.8	54.8	54.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/26/78-06/26/78	1	38.1	38.1	38.1	38.1	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/26/78-06/26/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/26/78-06/26/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/26/78-06/26/78	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/26/78-06/26/78	1	261.	261.	261.	261.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/26/78-06/26/78	1	987.	987.	987.	987.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/26/78-06/26/78	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/26/78-06/26/78	1	107.	107.	107.	107.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/26/78-06/26/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/26/78-06/26/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/26/78-06/26/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/26/78-06/26/78	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/26/78-06/26/78	1	38113.	38113.	38113.	38113.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0141

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0142

NPS Station ID: ARCH0142
LAT/LON: 38.713500/-109.371667
Agency: 21UTAH
Date Created: 03/16/91
Location: PROFESSOR CK AB CNFL / COLO R AT RD XING
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495824
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 11.20
On/Off RF1:
RF3 Index: 14030001001812.70
RF3 Mile Point: 18.63
Distance from RF3: 1.28
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/05/77-07/05/77	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/77-07/05/77	1	1390.	1390.	1390.	1390.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/05/77-07/05/77	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/05/77-07/05/77	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/05/77-07/05/77	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/05/77-07/05/77	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/77-07/05/77	1	143.	143.	143.	143.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/05/77-07/05/77	1	174.	174.	174.	174.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/05/77-07/05/77	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/05/77-07/05/77	1	370.	370.	370.	370.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/05/77-07/05/77	1	108.	108.	108.	108.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/05/77-07/05/77	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/05/77-07/05/77	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/05/77-07/05/77	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/05/77-07/05/77	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/05/77-07/05/77	1	238.	238.	238.	238.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/05/77-07/05/77	1	0.23	0.23	0.23	0.23	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/05/77-07/05/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/05/77-07/05/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/05/77-07/05/77	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/05/77-07/05/77	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/05/77-07/05/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/05/77-07/05/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/05/77-07/05/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/05/77-07/05/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/05/77-07/05/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/05/77-07/05/77	1	15.	15.	15.	15.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/05/77-07/05/77	1	884.	884.	884.	884.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/05/77-07/05/77	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/05/77-07/05/77	1	34.	34.	34.	34.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0142

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	1	1.00										1	1	1.00
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00										1	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
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
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
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
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: ARCH0143

NPS Station ID: ARCH0143
LAT/LON: 38.714726/-109.328337
Agency: 112WRD
Date Created: 01/26/80
Location: ONION CREEK SEEP SITE NUMBER 22.
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384253109194201
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005003000.00
RF3 Mile Point: 12.38
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	1	3825.	3825.	3825.	3825.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/79-07/17/79	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	710.	710.	710.	710.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	1	610.	610.	610.	610.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	1	570.	570.	570.	570.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/17/79-07/17/79	1	63.	63.	63.	63.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	1	590.	590.	590.	590.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	1	800.	800.	800.	800.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	1	2370.	2370.	2370.	2370.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	1	3.97	3.97	3.97	3.97	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	1	3.22	3.22	3.22	3.22	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: ARCH0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: ARCH0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
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: ARCH0144

NPS Station ID: ARCH0144 | LAT/LON: 38.717087/-109.516199 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: SALT WASH | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_BLM_STW3
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 4245 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT SALT WASH INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT CANYONLANDS NATIONAL PARK; 2282 WEST RESOURCE BLVD.; MOAB UT 84532 (TEL. 801-259-7164). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	33.3	33.3	33.3	33.3	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	8820.	8820.	8820.	8820.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	992.	992.	992.	992.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	1	1170.	1170.	1170.	1170.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0144

				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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: ARCH0144

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ARCH0145

NPS Station ID: ARCH0145
LAT/LON: 38.717667/-109.332167
Agency: 21UTAH
Date Created: 03/24/79
Location: ONION CK AT LOWER STATION
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495830
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005002300.96
RF3 Mile Point: 2.64
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/77-06/13/86	12	16.	16.45	32.	0.5	130.694	11.432	0.65	4.	28.	31.22
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/12/77-06/13/86	8	1.45	1.813	3.5	0.3	1.416	1.19	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/05/77-06/13/86	12	63.5	172.025	1000.	0.3	87640.217	296.041	0.36	0.625	170.	850.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/78-06/13/86	10	4770.	4991.5	7000.	3500.	1635722.5	1278.954	3510.	3750.	6175.	6970.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/77-06/13/86	12	3550.	3562.917	6000.	450.	1713174.811	1308.883	1098.	3201.25	4207.5	5601.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	06/13/86-06/13/86	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/13/79-06/13/86	5	8.7	8.38	9.6	7.4	0.857	0.926	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/12/77-09/25/79	7 ##	0.5	0.643	1.	0.5	0.06	0.244	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	12/13/79-06/13/86	2	45.5	45.5	64.	27.	684.5	26.163	**	**	**	**
00400	PH (STANDARD UNITS)	07/05/77-12/13/79	11	8.2	8.182	8.5	7.8	0.044	0.209	7.84	8.	8.4	8.48
00400	CONVERTED PH (STANDARD UNITS)	07/05/77-12/13/79	11	8.2	8.136	8.5	7.8	0.046	0.214	7.84	8.	8.4	8.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/05/77-12/13/79	11	0.006	0.007	0.016	0.003	0.	0.004	0.003	0.004	0.01	0.015
00405	CARBON DIOXIDE (MG/L AS CO2)	07/05/77-06/13/86	16	2.	2.563	5.	1.	1.196	1.094	1.	2.	3.	4.3
00406	PH, FIELD, STANDARD UNITS SU	01/16/79-06/13/86	5	8.	8.36	10.	7.7	0.863	0.929	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/16/79-06/13/86	5	8.	8.018	10.	7.7	1.009	1.005	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/16/79-06/13/86	5	0.01	0.01	0.02	0.	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/05/77-06/13/86	12	122.	133.25	169.	93.	698.75	26.434	98.7	112.5	160.5	167.5
00440	BICARBONATE ION (MG/L AS HCO3)	07/05/77-06/13/86	12	149.	162.5	206.	114.	1032.091	32.126	120.6	137.	195.5	204.2
00445	CARBONATE ION (MG/L AS CO3)	06/13/86-06/13/86	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/05/77-06/13/86	9	18.	396.056	3160.	0.	1081159.653	1039.788	0.	2.25	168.	3160.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/12/77-06/13/86	10 ##	0.075	0.195	1.3	0.05	0.151	0.389	0.05	0.05	0.1	1.18
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/13/78-06/13/86	9 ##	0.025	0.022	0.025	0.005	0.	0.007	0.005	0.023	0.025	0.025
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/05/77-06/13/86	12	0.975	0.883	1.15	0.5	0.06	0.245	0.5	0.65	1.1	1.135
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/12/77-06/13/86	9	0.1	0.389	1.4	0.05	0.3	0.548	0.05	0.075	0.75	1.4
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/16/79-12/13/79	7	1.	0.979	1.1	0.8	0.013	0.115	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/12/77-06/13/86	9	0.05	0.251	1.12	0.01	0.141	0.376	0.01	0.03	0.435	1.12
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/12/77-03/13/79	4	5.	6.5	13.	3.	19.667	4.435	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/05/77-06/13/86	12	775.	755.833	950.	450.	17099.242	130.764	492.	710.	842.5	920.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/05/77-06/13/86	12	226.	218.25	260.	88.	2023.659	44.985	121.6	208.	240.	260.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/05/77-06/13/86	12	58.5	61.417	90.	40.	233.174	15.27	42.7	49.5	73.	87.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/05/77-06/13/86	12	555.	548.25	720.	382.	7829.659	88.485	400.	502.5	601.25	696.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/05/77-06/13/86	12	16.	15.917	25.	5.	24.265	4.926	7.1	13.5	18.75	23.8
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/05/77-06/13/86	12	750.	768.583	1020.	470.	23389.538	152.936	516.5	658.75	875.	999.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/05/77-06/13/86	12	755.	725.	865.	500.	9518.182	97.561	540.5	661.25	787.5	848.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/05/77-12/13/79	11	0.31	0.325	0.46	0.28	0.002	0.049	0.28	0.3	0.34	0.436
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/05/77-12/13/79	11	18.	17.455	22.	13.	5.673	2.382	13.4	16.	18.	21.6
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/05/77-12/13/79	9	1.5	1.278	2.	0.5	0.569	0.755	0.5	0.5	2.	2.
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/13/78-12/13/79	8 ##	25.	28.125	50.	25.	78.125	8.839	**	**	**	**

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Parameter Inventory for Station: ARCH0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01020	BORON, DISSOLVED (UG/L AS B)	07/05/77-12/13/79	11	250.	224.091	300.	115.	3639.091	60.325	124.	170.	280.	296.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/13/78-12/13/79	8 ##	2.25	1.938	4.	0.5	1.746	1.321	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/13/78-12/13/79	8 ##	7.5	7.813	15.	2.5	15.067	3.882	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	03/13/78-12/13/79	8 ##	2.5	2.813	5.	2.5	0.781	0.884	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/05/77-12/13/79	9	7.	8.222	20.	2.5	41.819	6.467	2.5	2.5	13.5	20.
01046	IRON, DISSOLVED (UG/L AS FE)	07/05/77-12/13/79	9 ##	5.	8.333	20.	5.	43.75	6.614	5.	5.	12.5	20.
01049	LEAD, DISSOLVED (UG/L AS PB)	03/13/78-12/13/79	8 ##	2.5	6.563	20.	2.5	40.96	6.4	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/05/77-12/13/79	9 ##	2.5	4.5	10.	2.5	7.875	2.806	2.5	2.5	6.5	10.
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/13/78-12/13/79	8 ##	12.5	18.75	45.	10.	153.571	12.392	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/13/78-12/13/79	8 ##	2.5	3.125	5.	2.5	1.339	1.157	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/05/77-12/13/79	9	5.	5.278	10.	2.5	8.507	2.917	2.5	2.5	7.5	10.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/05/77-12/13/79	9 ##	0.5	0.461	0.5	0.25	0.007	0.086	0.25	0.45	0.5	0.5
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/12/77-06/13/86	3	0.25	0.317	0.5	0.2	0.026	0.161	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/13/78-12/13/79	8	430.	914.125	4300.	23.	1994233.268	1412.173	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	03/13/78-12/13/79	8	2.633	2.52	3.633	1.362	0.554	0.744	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			331.406								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/13/78-12/13/79	8	160.	894.313	2400.	11.5	1303291.138	1141.618	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/13/78-12/13/79	8	2.158	2.195	3.38	1.061	1.14	1.068	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			156.775								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	01/16/79-05/16/79	5 ##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/05/77-06/13/86	12	2400.	2251.833	3060.	286.	520622.879	721.542	685.	2152.	2693.	2992.2
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/05/77-06/13/86	12	0.015	0.015	0.02	0.01	0.	0.005	0.01	0.01	0.02	0.02
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/23/78-06/13/86	2 ##	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/12/77-06/13/86	2 ##	0.038	0.038	0.05	0.025	0.	0.018	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/13/86-06/13/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	2 ##	20.	20.	30.	10.	200.	14.142	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/05/77-06/13/86	11	0.5	6.416	51.4	0.01	237.507	15.411	0.011	0.03	3.	43.76
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/13/86-06/13/86	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	2 ##	10.	10.	15.	5.	50.	7.071	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/05/77-06/13/86	10 ##	0.1	0.17	0.5	0.05	0.023	0.153	0.05	0.05	0.3	0.48
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/12/77-06/13/86	3	10.	10.	15.	5.	25.	5.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	6	0.50	2	0	0.00	5	4	0.80	2	1	0.50	3	1	0.33
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00
00400	PH	Fresh Chronic	9.	11	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	11	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	5	1	0.20				2	0	0.00	2	0	0.00	1	1	1.00
		Other-Lo Lim.	6.5	5	0	0.00				2	0	0.00	2	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	1	0	0.00	4	0	0.00	2	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	12	4	0.33	2	1	0.50	5	0	0.00	2	2	1.00	3	1	0.33
		Drinking Water	250.	12	12	1.00	2	2	1.00	5	5	1.00	2	2	1.00	3	3	1.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	12	12	1.00	2	2	1.00	5	5	1.00	2	2	1.00	3	3	1.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	11	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	50.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	1	0.13	1	0	0.00	5	1	0.20	2	0	0.00			
		Drinking Water	5.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01040	COPPER, DISSOLVED	Fresh Acute	18.	9	1	0.11	1	0	0.00	5	0	0.00	2	0	0.00	1	1	1.00
		Drinking Water	1300.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	15.	8	1	0.13	1	0	0.00	5	1	0.20	2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	7 &	1	0.14	1	0	0.00	4	1	0.25	2	0	0.00			
		Drinking Water	100.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	5000.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	50.	9	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	3	0	0.00	1	0	0.00							2	0	0.00
		Drinking Water	50.	3	0	0.00	1	0	0.00							2	0	0.00
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	8	1	0.13	2	0	0.00	4	0	0.00	2	1	0.50			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	8	4	0.50	2	1	0.50	4	1	0.25	2	2	1.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	2	0	0.00	1	0	0.00							1	0	0.00
		Drinking Water	50.	2	0	0.00	1	0	0.00							1	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	2	0	0.00										2	0	0.00
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	1	0	0.00										1	0	0.00
		Drinking Water	5.	1	0	0.00										1	0	0.00
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	2	0	0.00										2	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	2	1	0.50										2	1	0.50
		Drinking Water	1300.	2	0	0.00										2	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	1	0	0.00										1	0	0.00
		Drinking Water	15.	1	0	0.00										1	0	0.00
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	10	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	2.	10	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	2	1	0.50										2	1	0.50
		Drinking Water	100.	2	0	0.00										2	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	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

& - 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: ARCH0146

NPS Station ID: ARCH0146
LAT/LON: 38.720559/-109.340005
Agency: 112WRD
Date Created: 05/17/80
Location: ONION CREEK SITE NUMBER 24
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384314109202401
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 4.70
On/Off RF1:
RF3 Index: 14030005011100.00
RF3 Mile Point: 0.00
Distance from RF3: 0.34
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	1	3975.	3975.	3975.	3975.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/79-07/17/79	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	740.	740.	740.	740.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	1	580.	580.	580.	580.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/17/79-07/17/79	1	72.	72.	72.	72.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	1	920.	920.	920.	920.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	1	700.	700.	700.	700.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	1	2550.	2550.	2550.	2550.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	1	4.06	4.06	4.06	4.06	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	1	3.47	3.47	3.47	3.47	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: ARCH0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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	1	1.00	1	1	1.00									
		Drinking Water	250.	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
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: ARCH0147

NPS Station ID: ARCH0147
LAT/LON: 38.724392/-109.345615
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17213
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ARCH_NURE_30 /1041167
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE FISHER TOWERS UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/78-06/21/78	1	27.4	27.4	27.4	27.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/78-06/21/78	1	4550.	4550.	4550.	4550.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/21/78-06/21/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/21/78-06/21/78	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/21/78-06/21/78	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/21/78-06/21/78	1	175.	175.	175.	175.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/21/78-06/21/78	1	39.5	39.5	39.5	39.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/21/78-06/21/78	1	155.	155.	155.	155.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/21/78-06/21/78	1	406.	406.	406.	406.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/21/78-06/21/78	1	55.	55.	55.	55.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/21/78-06/21/78	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/21/78-06/21/78	1	2806.	2806.	2806.	2806.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/21/78-06/21/78	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/21/78-06/21/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/21/78-06/21/78	1	318.	318.	318.	318.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/21/78-06/21/78	1	301.	301.	301.	301.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/21/78-06/21/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/21/78-06/21/78	1	3.05	3.05	3.05	3.05	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/21/78-06/21/78	1	39464.	39464.	39464.	39464.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	1	1.00										1	1	1.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00										1	1	1.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	1	1.00										1	1	1.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00										1	1	1.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0148

NPS Station ID: ARCH0148
LAT/LON: 38.728059/-109.348615
Agency: 112WRD
Date Created: 08/23/80
Location: ONION CREEK SEEP SITE NUMBER 26
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384341109205501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 12.10
On/Off RF1:
RF3 Index: 14030005003005.13
RF3 Mile Point: 6.90
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	1	2100.	2100.	2100.	2100.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/79-07/17/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	770.	770.	770.	770.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	1	640.	640.	640.	640.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	1	570.	570.	570.	570.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/17/79-07/17/79	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	1	590.	590.	590.	590.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	1	840.	840.	840.	840.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	1	620.	620.	620.	620.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	1	2410.	2410.	2410.	2410.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	1	4.03	4.03	4.03	4.03	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	1	3.28	3.28	3.28	3.28	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0148

			Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: ARCH0148

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
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: ARCH0149

NPS Station ID: ARCH0149
LAT/LON: 38.729170/-109.348060
Agency: 112WRD
Date Created: 05/19/79
Location: ONION CREEK NEAR MOUTH AT UTAH H
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384345109205301
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 31.50
On/Off RF1:
RF3 Index: 14030005003000.00
RF3 Mile Point: 5.74
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/79-08/14/79	4	18.	18.125	26.5	10.	56.063	7.487	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/21/79-08/14/79	4	1.5	1.375	2.	0.5	0.563	0.75	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/79-08/14/79	4	3975.	4020.	4350.	3780.	77266.667	277.969	**	**	**	**
00400	PH (STANDARD UNITS)	03/21/79-08/14/79	4	8.25	8.25	8.5	8.	0.057	0.238	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/21/79-08/14/79	4	8.225	8.203	8.5	8.	0.06	0.244	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/79-08/14/79	4	0.006	0.006	0.01	0.003	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/21/79-08/14/79	4	150.	152.5	180.	130.	491.667	22.174	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/79-08/14/79	4	0.9	0.9	1.1	0.7	0.027	0.163	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/21/79-04/11/79	2	0.015	0.015	0.03	0.	0.	0.021	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/79-08/14/79	4 ##	0.008	0.01	0.02	0.005	0.	0.007	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/21/79-04/11/79	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/21/79-08/14/79	4	785.	802.5	970.	670.	15825.	125.797	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	03/21/79-08/14/79	4	615.	650.	830.	540.	16466.667	128.323	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/79-08/14/79	4	225.	230.	290.	180.	2200.	46.904	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/79-08/14/79	4	55.5	55.25	60.	50.	18.25	4.272	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/79-08/14/79	4	580.	585.	660.	520.	3566.667	59.722	**	**	**	**
00931	SODIUM ADSORPTION RATIO	03/21/79-08/14/79	4	8.95	9.	9.5	8.6	0.18	0.424	**	**	**	**
00932	SODIUM, PERCENT	03/21/79-08/14/79	4	61.	61.	63.	59.	3.333	1.826	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	06/05/79-08/14/79	2	595.	595.	620.	570.	1250.	35.355	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/21/79-08/14/79	4	16.5	16.5	18.	15.	1.667	1.291	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/21/79-08/14/79	4	855.	860.	980.	750.	10200.	100.995	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/21/79-08/14/79	4	680.	680.	780.	580.	6933.333	83.267	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/21/79-08/14/79	4	0.4	0.375	0.4	0.3	0.003	0.05	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/21/79-08/14/79	4	15.	15.25	17.	14.	1.583	1.258	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/21/79-08/14/79	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/79-08/14/79	4 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	03/21/79-08/14/79	4	2530.	2537.5	2890.	2200.	83691.667	289.295	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	03/21/79-08/14/79	4	9.845	9.52	15.3	3.09	29.688	5.449	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	03/21/79-08/14/79	4	3.44	3.45	3.93	2.99	0.155	0.394	**	**	**	**

** - 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: ARCH0149

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	2	0.50	1	0	0.00	1	0	0.00	1	1	1.00	1	1	1.00
		Drinking Water	250.	4	4	1.00	1	1	1.00	1	1	1.00	1	1	1.00	1	1	1.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	4	1.00	1	1	1.00	1	1	1.00	1	1	1.00	1	1	1.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00

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

Station Inventory for Station: ARCH0150

NPS Station ID: ARCH0150
LAT/LON: 38.729167/-109.347667
Agency: 21UTAH
Date Created: 01/24/98
Location: ONION CREEK AT U128 XING
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495828
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/97-06/25/98	12	14.395	15.325	29.97	0.	87.505	9.354	1.845	8.8	24.108	29.769
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/31/97-06/25/98	12	2.	1.858	3.	0.5	0.523	0.723	0.65	1.35	2.	3.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/97-06/25/98	12	146.5	683.249	5357.	2.53	2272273.299	1507.406	2.947	14.905	614.	4063.7
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/31/97-06/25/98	12	3145.	3176.083	6034.	1713.	1356322.992	1164.613	1762.8	2214.5	3314.25	5525.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/31/97-06/25/98	12	3195.	2984.	5530.	306.	1589724.364	1260.843	742.2	2272.5	3245.5	5089.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	07/31/97-06/25/98	12	0.	10.417	125.	0.	1302.083	36.084	0.	0.	0.	87.5
00300	OXYGEN, DISSOLVED MG/L	07/31/97-06/25/98	12	8.64	8.707	11.87	6.31	3.089	1.758	6.397	6.893	10.3	11.489
00400	PH (STANDARD UNITS)	07/31/97-06/25/98	12	7.905	7.942	8.27	7.82	0.019	0.138	7.823	7.845	7.968	8.237
00400	CONVERTED PH (STANDARD UNITS)	07/31/97-06/25/98	12	7.905	7.924	8.27	7.82	0.019	0.139	7.823	7.845	7.968	8.237
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/97-06/25/98	12	0.012	0.012	0.015	0.005	0.	0.003	0.006	0.011	0.014	0.015
00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/97-06/04/98	11	3.	3.182	5.	2.	1.164	1.079	2.	2.	4.	4.8
00406	PH, FIELD, STANDARD UNITS SU	07/31/97-06/25/98	12	8.28	8.289	8.84	8.04	0.053	0.23	8.046	8.128	8.325	8.768
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/97-06/25/98	12	8.28	8.244	8.84	8.04	0.055	0.235	8.046	8.127	8.325	8.768
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/97-06/25/98	12	0.005	0.006	0.009	0.001	0.	0.002	0.002	0.005	0.007	0.009
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/31/97-06/25/98	12	140.5	134.75	174.	80.	794.205	28.182	85.1	116.5	158.5	171.9
00440	BICARBONATE ION (MG/L AS HCO3)	07/31/97-06/25/98	12	171.5	152.667	212.	0.	3426.061	58.533	29.4	125.25	192.75	209.6
00445	CARBONATE ION (MG/L AS CO3)	07/31/97-06/25/98	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/31/97-06/25/98	12	196.2	704.133	3302.	10.	998748.112	999.374	11.68	62.4	1367.5	2748.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/31/97-06/25/98	12 ##	0.025	0.034	0.068	0.025	0.	0.016	0.025	0.025	0.044	0.066
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	09/18/97-09/18/97	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/31/97-06/25/98	11	0.66	0.527	0.94	0.01	0.109	0.329	0.016	0.23	0.77	0.922
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/18/98-06/25/98	6	0.033	0.313	1.08	0.008	0.219	0.468	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/29/97-06/25/98	9 ##	0.01	0.01	0.029	0.005	0.	0.007	0.005	0.005	0.01	0.029
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/97-06/25/98	12	758.3	638.542	963.9	156.5	66056.13	257.014	199.43	373.925	808.55	920.46
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/97-06/25/98	12	219.	188.	293.	52.5	6027.5	77.637	61.2	107.5	243.5	278.9
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/97-06/25/98	12	47.5	41.192	56.6	6.2	253.794	15.931	11.27	25.925	51.7	56.33
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/97-06/25/98	12	387.	346.9	590.	7.8	20977.32	144.835	70.56	252.25	422.5	544.7
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/97-06/25/98	12	13.	11.893	15.3	1.08	14.736	3.839	3.618	10.675	14.3	15.21
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/97-06/25/98	12	615.	620.958	1225.	1.5	75048.294	273.949	134.55	558.75	715.	1087.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/97-06/25/98	12	748.	679.195	1533.	29.5	172646.345	415.507	78.25	301.948	927.29	1386.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/31/97-05/07/98	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/31/97-05/07/98	4	70.	68.75	96.	39.	543.583	23.315	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/31/97-05/07/98	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/31/97-05/07/98	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/31/97-05/07/98	4 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/31/97-05/07/98	4 ##	10.	14.	26.	10.	64.	8.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/31/97-05/07/98	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/97-05/07/98	4	25.5	28.775	55.	9.1	402.936	20.073	**	**	**	**

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

Parameter Inventory for Station: ARCH0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075	SILVER, DISSOLVED (UG/L AS AG)	07/31/97-05/07/98	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/31/97-05/07/98	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/97-05/07/98	4 ##	15.	19.25	32.	15.	72.25	8.5	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/31/97-05/07/98	4	3.9	3.8	4.9	2.5	1.513	1.23	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/31/97-06/25/98	12	1434.	1381.167	2816.	104.	420337.424	648.334	305.9	1073.25	1604.	2531.6
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/31/97-06/25/98	12	679.5	588.083	955.	68.	56130.083	236.918	154.1	390.75	723.75	891.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/31/97-06/25/98	12	2163.	2029.667	3952.	212.	849863.879	921.881	456.2	1421.	2286.	3589.
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/31/97-05/07/98	4 ##	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: ARCH0150

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	12	8	0.67	3	3	1.00	4	2	0.50	3	2	0.67	2	1	0.50
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00400	PH	Fresh Chronic	9.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	12	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	11	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	12	1	0.08	3	1	0.33	4	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	250.	12	11	0.92	3	3	1.00	4	3	0.75	3	3	1.00	2	2	1.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	12	9	0.75	3	2	0.67	4	3	0.75	3	2	0.67	2	2	1.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	15.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			

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

Station Inventory for Station: ARCH0151

NPS Station ID: ARCH0151
LAT/LON: 38.731670/-109.802226
Agency: 112WRD
Date Created: 05/24/86
Location: (D-24-19)10DCD-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 384354109480801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005023200.00
RF3 Mile Point: 2.47
Distance from RF3: 0.26
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/85-11/26/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/26/85-11/26/85	1	205.	205.	205.	205.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/26/85-11/26/85	1	7.95	7.95	7.95	7.95	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/26/85-11/26/85	1	7.95	7.95	7.95	7.95	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/26/85-11/26/85	1	0.011	0.011	0.011	0.011	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/26/85-11/26/85	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/26/85-11/26/85	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/26/85-11/26/85	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/26/85-11/26/85	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/26/85-11/26/85	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/26/85-11/26/85	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/26/85-11/26/85	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/26/85-11/26/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/26/85-11/26/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/26/85-11/26/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/26/85-11/26/85	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/26/85-11/26/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	11/26/85-11/26/85	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/26/85-11/26/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/26/85-11/26/85	1	240.	240.	240.	240.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/26/85-11/26/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	11/26/85-11/26/85	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
09511	RADIUM 226, DISSOLVED, RADON METHOD	11/26/85-11/26/85	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	11/26/85-11/26/85	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/26/85-11/26/85	1	119.	119.	119.	119.	0.	0.	**	**	**	**
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	11/26/85-11/26/85	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	11/26/85-11/26/85	1	4.3	4.3	4.3	4.3	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: ARCH0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

& - 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: ARCH0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
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						
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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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						
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0152

NPS Station ID: ARCH0152 | LAT/LON: 38.731892/-109.801892 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17515 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_NURE_12 /1041245
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE JUG ROCK UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-06/28/78	1	24.2	24.2	24.2	24.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-06/28/78	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/78-06/28/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/78-06/28/78	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/78-06/28/78	1	38.6	38.6	38.6	38.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/78-06/28/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/28/78-06/28/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/78-06/28/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/78-06/28/78	1	764.	764.	764.	764.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/78-06/28/78	1	468.	468.	468.	468.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/78-06/28/78	1	82.	82.	82.	82.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/28/78-06/28/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/28/78-06/28/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/78-06/28/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/28/78-06/28/78	1	12.	12.	12.	12.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/28/78-06/28/78	1	0.81	0.81	0.81	0.81	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/28/78-06/28/78	1	8226.	8226.	8226.	8226.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0152

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0153

NPS Station ID: ARCH0153
LAT/LON: 38.732504/-109.355560
Agency: 112WRD
Date Created: 05/17/80
Location: ONION CREEK SITE #28
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384357109212001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 16.70
On/Off RF1:
RF3 Index: 14030005003000.00
RF3 Mile Point: 1.94
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	1	32.5	32.5	32.5	32.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	1	3950.	3950.	3950.	3950.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/79-07/17/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	780.	780.	780.	780.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	1	670.	670.	670.	670.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/17/79-07/17/79	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	1	620.	620.	620.	620.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	1	980.	980.	980.	980.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	1	680.	680.	680.	680.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	1	2640.	2640.	2640.	2640.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	1	4.13	4.13	4.13	4.13	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	1	3.59	3.59	3.59	3.59	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0153

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: ARCH0153

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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	1	1.00	1	1	1.00									
		Drinking Water	250.	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
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: ARCH0154

NPS Station ID: ARCH0154
LAT/LON: 38.735309/-109.514699
Agency: 11NPSWRD
Date Created: 01/09/99
Location: C17191
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ARCH_NURE_14 /1041165
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AND IS INSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/78-06/22/78	1	4750.	4750.	4750.	4750.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/78-06/22/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/22/78-06/22/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/78-06/22/78	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/78-06/22/78	1	36.1	36.1	36.1	36.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/78-06/22/78	1	22.5	22.5	22.5	22.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/22/78-06/22/78	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	06/22/78-06/22/78	1	284.	284.	284.	284.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/22/78-06/22/78	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/22/78-06/22/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/22/78-06/22/78	1	1493.	1493.	1493.	1493.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/22/78-06/22/78	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	06/22/78-06/22/78	1	58.	58.	58.	58.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	06/22/78-06/22/78	1	203.	203.	203.	203.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/22/78-06/22/78	1	82.	82.	82.	82.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	06/22/78-06/22/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/22/78-06/22/78	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	06/22/78-06/22/78	1	22481.	22481.	22481.	22481.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0154

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00										1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00										1	1	1.00
		Drinking Water	1300.	1	0	0.00										1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	1	1.00										1	1	1.00
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
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0155

NPS Station ID: ARCH0155 LAT/LON: 38.735167/-109.518833 Agency: 21UTAH Date Created: 12/22/90
Location: SALT WASH AT WOLFE RANCH RD XING SW-3 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 599522
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:

HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 2.40 On/Off RF1:
RF3 Index: 14030005002500.00 RF3 Mile Point: 0.60 Distance from RF3: 0.00 On/Off RF3:
Description:
WATER QUALITY STATION IS LOCATED IN ARCHES NP. THIS PARK IS MANAGED BY THE NATIONAL PARK SERVICE'S SOUTHEAST UTAH GROUP. WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENV QUALITY - DIVISION OF WATER QUALITY. DATA COLLECTED AT THE SAME LOCATION PRIOR TO 4/24/1990 CAN BE FOUND AT STATION ARCH_NPS_599522.

Parameter Inventory for Station: ARCH0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/90-11/28/99	8	15.5	14.6	23.2	2.9	56.7	7.53	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/21/91-11/28/99	6	16.5	16.333	27.	5.	89.467	9.459	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	02/18/99-11/28/99	3	30.	28.	50.	4.	532.	23.065	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/24/99-04/24/99	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/90-11/28/99	8	7.465	9.61	23.8	0.95	73.133	8.552	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/90-11/28/99	8	3016.5	2628.949	3700.	3.59	1433784.092	1197.407	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/90-11/28/99	8	3110.	2766.25	4000.	380.	1376226.786	1173.127	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/20/90-11/28/99	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/90-11/28/99	8	6.75	7.017	9.9	2.94	5.669	2.381	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/90-11/28/99	8	8.05	8.021	8.34	7.67	0.044	0.209	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/90-11/28/99	8	8.047	7.976	8.34	7.67	0.046	0.214	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/90-11/28/99	8	0.009	0.011	0.021	0.005	0.	0.005	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/20/90-11/28/99	8	4.	5.125	14.	3.	13.268	3.643	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/20/90-11/28/99	8	7.75	7.859	8.27	7.6	0.062	0.249	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/20/90-11/28/99	8	7.747	7.806	8.27	7.6	0.065	0.255	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/90-11/28/99	8	0.018	0.016	0.025	0.005	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/90-11/28/99	8	275.5	265.75	328.	185.	2978.214	54.573	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/20/90-11/28/99	8	336.5	324.25	400.	226.	4435.643	66.601	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/20/90-11/28/99	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/90-11/28/99	8	15.3	16.35	34.4	4.	102.249	10.112	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/90-04/24/99	6 ##	0.025	0.033	0.07	0.025	0.	0.018	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/90-03/20/92	4	0.1	0.82	3.03	0.05	2.171	1.474	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/28/91-08/16/99	2 ##	0.036	0.036	0.05	0.022	0.	0.02	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/20/90-11/28/99	6	0.085	0.145	0.389	0.005	0.026	0.16	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/90-11/28/99	8	0.017	0.024	0.063	0.008	0.	0.019	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/21/91-04/24/99	4	0.012	0.014	0.021	0.01	0.	0.005	**	**	**	**

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

Parameter Inventory for Station: ARCH0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/90-11/28/99	8	329.6	328.688	434.4	227.3	4922.098	70.158	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/90-11/28/99	8	75.7	68.513	90.	40.	334.358	18.285	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/90-11/28/99	8	37.95	38.338	51.	30.	54.091	7.355	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/90-11/28/99	8	580.	576.125	767.	287.	28495.839	168.807	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/90-11/28/99	8	7.95	8.324	10.2	6.33	1.997	1.413	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/20/90-11/28/99	8	847.4	851.95	1162.5	360.	73454.391	271.025	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/20/90-11/28/99	8	125.	130.038	260.	47.	5576.091	74.673	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/18/99-11/28/99	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	02/18/99-11/28/99	4	245.	255.	350.	180.	6300.	79.373	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/18/99-11/28/99	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/18/99-11/28/99	4	6.55	5.7	7.2	2.5	4.78	2.186	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	02/18/99-11/28/99	4 ##	9.5	10.75	18.	6.	34.25	5.852	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/18/99-11/28/99	4 ##	24.65	32.875	72.2	10.	878.089	29.633	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	02/18/99-11/28/99	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/18/99-11/28/99	4	56.	66.25	110.	43.	888.917	29.815	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	02/18/99-11/28/99	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	02/18/99-11/28/99	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	02/18/99-11/28/99	4	53.5	73.	170.	15.	4739.333	68.843	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/18/99-11/28/99	4	1.55	1.575	1.9	1.3	0.076	0.275	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/20/90-03/20/92	4 ##	2.5	2.	2.5	0.5	1.	1.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/21/91-11/28/99	6	1147.	1104.	1349.	747.	55230.	235.011	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/21/91-11/28/99	6	665.5	664.	890.	420.	30652.4	175.078	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/20/90-11/28/99	8	1934.	1815.75	2180.	1138.	147422.214	383.956	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/28/91-04/28/91	1	0.012	0.012	0.012	0.012	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	02/18/99-11/28/99	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/20/90-03/20/92	4	0.225	0.218	0.25	0.17	0.001	0.034	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/20/90-03/20/92	4	0.315	0.297	0.5	0.058	0.034	0.184	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4	112.	101.	170.	10.	5964.	77.227	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4 ##	1.	2.95	8.8	1.	15.21	3.9	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-03/20/92	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0155

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	1	0.13	3	0	0.00	3	0	0.00	2	1	0.50			
00400	PH	Fresh Chronic	9.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	6	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	8	4	0.50	3	3	1.00	3	0	0.00	2	1	0.50			
		Drinking Water	250.	8	8	1.00	3	3	1.00	3	3	1.00	2	2	1.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	8	1	0.13	3	0	0.00	3	1	0.33	2	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0155

Parameter				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	1	0.25	1	0	0.00	2	0	0.00	1	1	1.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	15.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1300.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	4	1	0.25	2	1	0.50	1	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			

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

Station Inventory for Station: ARCH0156

NPS Station ID: ARCH0156
LAT/LON: 38.735559/-109.361115
Agency: 112WRD
Date Created: 08/23/80
Location: ONION CREEK SEEP SITE NUMBER 30
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 384408109214001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 9.70
On/Off RF1:
RF3 Index: 14030005003000.00
RF3 Mile Point: 1.36
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/79-07/17/79	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/17/79-07/17/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/17/79-07/17/79	1	4100.	4100.	4100.	4100.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/17/79-07/17/79	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/79-07/17/79	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/17/79-07/17/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/17/79-07/17/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/17/79-07/17/79	1	780.	780.	780.	780.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/17/79-07/17/79	1	670.	670.	670.	670.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/79-07/17/79	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/79-07/17/79	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/79-07/17/79	1	600.	600.	600.	600.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/17/79-07/17/79	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/17/79-07/17/79	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/17/79-07/17/79	1	620.	620.	620.	620.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/79-07/17/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/17/79-07/17/79	1	910.	910.	910.	910.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/17/79-07/17/79	1	630.	630.	630.	630.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/79-07/17/79	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/79-07/17/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/17/79-07/17/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/17/79-07/17/79	1	2520.	2520.	2520.	2520.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	07/17/79-07/17/79	1	4.01	4.01	4.01	4.01	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	07/17/79-07/17/79	1	3.43	3.43	3.43	3.43	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0156

			Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - 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: ARCH0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
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	1	1.00	1	1	1.00									
		Drinking Water	250.	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
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: ARCH0157

NPS Station ID: ARCH0157
LAT/LON: 38.737338/-109.519393
Agency: 11NPSWRD
Date Created: 05/22/99
Location: SALT WASH AT WOLFE RANCH RD XING
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): ARCH_NPS_599522/SW3 /599522
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SALT WASH IS A PERENNIAL STREAM AND IS LOCATED INSIDE THE ARCHES NATIONAL PARK BOUNDARY. THE SAMPLES WERE COLLECTED AND ANALYZED BY NATIONAL PARK SERVICE PERSONNEL. THE MONITORING BEGAN IN RESPONSE TO A PROPOSED SITING OF A NUCLEAR WASTE REPOSITORY NEAR THE PARK AS STATED BY B. LONG AND R. SMITH IN THE REPORT "WATER QUALITY DATA ANALYSIS AND INTERPRETATION FOR SPRING MONITORING SITES SOUTHEAST UTAH GROUP" (AUGUST 1996). THE INITIAL MONITORING OBJECTIVES WERE TO ESTABLISH A BASELINE DATABASE; DETECT POTENTIAL CHANGES; AND IDENTIFY AREAS OF CONCERN. THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYZED THE SAMPLES IN A COOPERATIVE EFFORT WITH THE PARK SERVICE BEGINNING 8/20/1990. THESE DATA CAN BE FOUND UNDER THE STATION 599522. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/21/84-04/24/90	13	18.	16.115	28.	0.6	72.638	8.523	1.24	10.15	21.3	26.68
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	01/21/85-08/23/87	4	192.15	281.7	630.	112.5	56127.06	236.912	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/21/85-08/23/87	4	0.45	0.55	1.	0.3	0.097	0.311	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/21/84-04/24/90	13	375.	836.077	3925.	153.	1555476.077	1247.187	178.2	294.	415.5	3687.
00300	OXYGEN, DISSOLVED MG/L	12/21/84-04/24/90	12	10.3	10.188	18.7	0.05	20.378	4.514	2.105	8.2	13.25	17.23
00400	PH (STANDARD UNITS)	12/21/84-04/24/90	13	7.3	7.127	10.3	4.	2.05	1.432	4.64	6.65	7.75	9.38
00400	CONVERTED PH (STANDARD UNITS)	12/21/84-04/24/90	13	7.3	5.099	10.3	4.	6.504	2.55	4.64	6.65	7.75	9.38
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/21/84-04/24/90	13	0.05	7.955	100.	0.	765.32	27.664	0.004	0.019	0.225	61.005
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/21/84-04/24/90	14	270.	263.071	360.	171.	3523.456	59.359	179.5	216.25	311.75	351.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/21/84-08/09/89	10 ##	0.05	0.24	1.8	0.05	0.303	0.55	0.05	0.05	0.088	1.64
00655	PHOSPHATE, POLY (MG/L AS PO4)	12/21/84-04/24/90	12	1.25	1.371	3.25	0.05	0.892	0.945	0.155	0.488	2.075	2.935
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/21/84-04/24/90	14	369.5	383.571	596.	237.	9266.418	96.262	247.	323.75	460.5	529.
00940	CHLORIDE,TOTAL IN WATER MG/L	08/23/87-04/24/90	8	1697.	1556.75	2303.	303.	417167.357	645.885	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/21/84-04/24/90	12	80.	105.333	248.	34.	5281.515	72.674	37.	47.	180.	233.6
01042	COPPER, TOTAL (UG/L AS CU)	12/21/84-08/09/89	11 ##	50.	116.364	650.	50.	32845.455	181.233	50.	50.	50.	556.
01045	IRON, TOTAL (UG/L AS FE)	12/21/84-04/24/90	12 ##	50.	158.333	800.	50.	52633.333	229.42	50.	50.	215.	674.
01055	MANGANESE, TOTAL (UG/L AS MN)	12/21/84-08/09/89	10	210.	420.	2300.	50.	469200.	684.982	50.	50.	450.	2130.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/21/84-04/24/90	12 ##	0.	80.833	800.	0.	52226.515	228.531	0.	0.	42.5	590.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/21/84-04/24/90	12 ##	0.	0.659	2.903	0.	1.073	1.036	0.	0.	1.599	2.632

** - Less than 9 observations ## - 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: ARCH0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			4.556								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-04/24/90	9 ##	0.	16.222	100.	0.	1058.444	32.534	0.	0.	20.	100.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-04/24/90	9 ##	0.	0.598	2.	0.	0.597	0.773	0.	0.	1.301	2.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.961								

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

EPA Water Quality Criteria Analysis for Station: ARCH0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	12	1	0.08	4	1	0.25	3	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	13	1	0.08	5	0	0.00	3	0	0.00	5	1	0.20			
		Other-Lo Lim.	6.5	13	2	0.15	5	1	0.20	3	1	0.33	5	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	7	0.88	4	3	0.75	1	1	1.00	3	3	1.00			
		Drinking Water	250.	8	8	1.00	4	4	1.00	1	1	1.00	3	3	1.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	12	0	0.00	5	0	0.00	2	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2 &	2	1.00	1	1	1.00				1	1	1.00			
		Drinking Water	1300.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	9	0	0.00	4	0	0.00	1	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: ARCH0158

NPS Station ID: ARCH0158 LAT/LON: 38.737338/-109.519393 Agency: 11NPSWRD Date Created: 08/07/99
Location: SALT WASH AT ROAD TO DELICATE ARCH VIEW PT. FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ARCH_BLM_STW4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 4360 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT SALT WASH WHERE THE ROAD CROSSES TO DELICATE ARCH VIEW POINT AND IS INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	31.7	31.7	31.7	31.7	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	3960.	3960.	3960.	3960.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	568.	568.	568.	568.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	1	740.	740.	740.	740.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0158

			Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									

& - 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: ARCH0158

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ARCH0159

NPS Station ID: ARCH0159 | LAT/LON: 38.737559/-109.520503 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: SALT WASH UPSTREAM OF WOLFE RANCH | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_WEBB_1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT SALT WASH UPSTREAM OF WOLFE RANCH AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY NATHAN WEBB; "CHEMICAL AND BIOTIC SURVEY OF SALT WASH; ARCHES NATIONAL PARK;" AUGUST 1988. DATA WERE COLLECTED AS A FOLLOW-UP TO THE SURVEY DONE BY BIO/WEST IN 1979. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/88-08/15/88	1	22.5	22.5	22.5	22.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/15/88-08/15/88	1	3820.	3820.	3820.	3820.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/15/88-08/15/88	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/88-08/15/88	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/88-08/15/88	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/88-08/15/88	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: ARCH0159

			Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0160

NPS Station ID: ARCH0160 | LAT/LON: 38.737531/-109.520588 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: SALT WASH AT WOLFE CABIN | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_BIO_3
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT SALT WASH AT WOLFE CABIN AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY DOUGLAS A. SELBY AND PAUL B. HOLDEN; "SURVEY OF FISH; INVERTEBRATES AND ALGAE IN SALT WASH; ARCHES NATIONAL PARK;" NOVEMBER 1979. THE REPORT WAS SUBMITTED BY BIO/WEST INC. TO CANYONLANDS NATIONAL PARK. DATA WERE COLLECTED IN ORDER TO IDENTIFY AND SURVEY THE AQUATIC LIFE IN THE ONLY PERENNIAL STREAM IN THE PARK; SALT WASH. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/79-10/07/79	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	1	3850.	3850.	3850.	3850.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/06/79-10/06/79	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/07/79	2	8.05	8.05	8.1	8.	0.005	0.071	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/79-10/07/79	2	8.047	8.047	8.1	8.	0.005	0.071	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/79-10/07/79	2	0.009	0.009	0.01	0.008	0.	0.001	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0160

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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

Station Inventory for Station: ARCH0161

NPS Station ID: ARCH0161 LAT/LON: 38.737500/-109.578833 Agency: 21UTAH Date Created: 12/22/90
Location: SALT VALLEY WASH SPG 1MI SW OF FIERY FURNACE SVW FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 599523
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 2.00 On/Off RF1:
RF3 Index: 14030005002505.32 RF3 Mile Point: 5.69 Distance from RF3: 0.01 On/Off RF3:
Description:
WATER QUALITY STATION IS LOCATED IN ARCHES NP. THIS PARK IS MANAGED BY THE NATIONAL PARK SERVICE'S SOUTHEAST UTAH GROUP. WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENV QUALITY - DIVISION OF WATER QUALITY. DATA COLLECTED AT THE SAME LOCATION PRIOR TO 5/3/1990 CAN BE FOUND AT STATION ARCH_NPS_599523.

Parameter Inventory for Station: ARCH0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/24/91-04/28/99	9	10.8	10.656	19.1	0.5	36.423	6.035	0.5	6.45	15.85	19.1
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/24/91-04/28/99	8	21.15	19.338	34.	3.5	102.948	10.146	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	12/01/97-04/28/99	5	0.5	0.38	0.5	0.	0.047	0.217	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/05/98-02/05/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/24/91-04/28/99	9	7.47	191.867	1000.	0.762	122085.857	349.408	0.762	1.355	320.5	1000.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/24/91-04/28/99	9	2960.	2984.333	3635.	2608.	145589.	381.561	2608.	2682.	3295.	3635.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/24/91-04/28/99	9	2720.	2963.889	3750.	2610.	154898.611	393.572	2610.	2680.	3285.	3750.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	04/24/91-04/28/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	04/24/91-04/28/99	9	3.76	3.896	7.6	1.1	5.239	2.289	1.1	1.6	5.7	7.6
00400	PH (STANDARD UNITS)	04/24/91-04/28/99	9	7.4	7.426	7.7	7.15	0.026	0.161	7.15	7.32	7.55	7.7
00400	CONVERTED PH (STANDARD UNITS)	04/24/91-04/28/99	9	7.4	7.399	7.7	7.15	0.027	0.164	7.15	7.32	7.55	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/24/91-04/28/99	9	0.04	0.04	0.071	0.02	0.	0.015	0.02	0.028	0.048	0.071
00405	CARBON DIOXIDE (MG/L AS CO2)	04/24/91-04/28/99	9	12.	13.222	22.	5.	28.194	5.31	5.	9.5	18.	22.
00406	PH, FIELD, STANDARD UNITS SU	04/24/91-04/28/99	9	7.1	6.842	7.4	5.4	0.454	0.673	5.4	6.5	7.2	7.4
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/24/91-04/28/99	9	7.1	6.216	7.4	5.4	0.895	0.946	5.4	6.5	7.2	7.4
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/24/91-04/28/99	9	0.079	0.608	3.981	0.04	1.695	1.302	0.04	0.063	0.55	3.981
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/24/91-04/28/99	9	162.	177.222	312.	116.	3410.444	58.399	116.	133.5	199.	312.
00440	BICARBONATE ION (MG/L AS HCO3)	04/24/91-04/28/99	9	198.	216.111	380.	142.	5051.861	71.076	142.	162.5	243.	380.
00445	CARBONATE ION (MG/L AS CO3)	04/24/91-04/28/99	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/24/91-04/28/99	9	23.2	815.633	6060.	4.	3918728.945	1979.578	4.	11.8	546.5	6060.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/24/91-04/28/99	9 ##	0.025	0.314	2.13	0.025	0.491	0.7	0.025	0.025	0.272	2.13
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/24/91-04/03/97	3	0.97	1.607	3.6	0.25	3.11	1.763	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/24/91-04/24/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/21/92-04/28/99	8	0.105	0.238	1.101	0.01	0.131	0.362	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/24/91-04/28/99	9	0.065	0.13	0.382	0.008	0.024	0.156	0.008	0.012	0.301	0.382
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/92-04/28/99	7 ##	0.01	0.015	0.05	0.005	0.	0.016	**	**	**	**

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

Parameter Inventory for Station: ARCH0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/24/91-04/28/99	9	1913.9	2068.567	2711.6	1844.	80659.145	284.006	1844.	1887.1	2239.35	2711.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/24/91-04/28/99	9	540.	537.222	573.	500.	753.194	27.444	500.	508.5	563.	573.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/24/91-04/28/99	9	146.	180.333	351.	116.	6631.75	81.436	116.	122.5	244.	351.
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/24/91-04/28/99	9	25.1	31.156	53.5	19.6	146.263	12.094	19.6	22.4	43.	53.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/24/91-04/28/99	9	4.95	5.709	13.	3.78	7.835	2.799	3.78	4.415	5.485	13.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/24/91-04/28/99	9	14.	15.644	25.	10.	22.258	4.718	10.	12.	18.8	25.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/24/91-04/28/99	9	2110.	2024.244	3041.	440.	532990.56	730.062	440.	1720.55	2486.05	3041.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/01/97-04/28/99	6 ##	2.5	3.383	7.8	2.5	4.682	2.164	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/01/97-04/28/99	6	24.	24.667	36.	16.	44.267	6.653	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/01/97-04/28/99	6 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/01/97-04/28/99	6 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/01/97-04/28/99	6 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/01/97-04/28/99	6	170.5	460.35	2080.	10.	641252.615	800.783	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/01/97-04/28/99	6 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/01/97-04/28/99	6	121.	228.833	640.	25.	64207.367	253.392	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	12/01/97-04/28/99	6 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/01/97-04/28/99	6 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/01/97-04/28/99	6 ##	24.	34.833	85.	15.	764.967	27.658	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/01/97-04/28/99	6	4.2	8.517	30.	2.6	113.446	10.651	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	04/24/91-04/03/97	3 ##	2.5	6.667	15.	2.5	52.083	7.217	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	03/21/92-04/28/99	8	2162.	2110.	3121.	549.	608846.857	780.286	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	03/21/92-04/28/99	8	713.5	743.25	917.	684.	6008.5	77.515	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/91-04/28/99	9	2816.	3222.778	5420.	2642.	795657.444	891.996	2642.	2710.	3513.	5420.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/24/91-04/24/91	1	0.234	0.234	0.234	0.234	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/01/97-04/28/99	6 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82701	ALUMINUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/03/97-04/03/97	1 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3 ##	2.5	6.667	15.	2.5	52.083	7.217	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	04/24/91-04/03/97	3	0.056	0.078	0.14	0.038	0.003	0.054	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3 ##	0.5	3.667	10.	0.5	30.083	5.485	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3	15.	11.167	16.	2.5	56.583	7.522	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3	31.	42.333	90.	6.	1860.333	43.132	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	04/24/91-04/03/97	3	1.6	3.883	10.	0.05	28.663	5.354	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3 ##	2.5	21.333	60.	1.5	1121.583	33.49	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3	830.	1813.333	4200.	410.	4316233.333	2077.555	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	04/24/91-04/03/97	3	27.	77.333	190.	15.	9556.333	97.757	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0161

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	4	0.44				5	3	0.60	4	1	0.25			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	5	0.56				5	3	0.60	4	2	0.50			
00400	PH	Fresh Chronic	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			
00406	PH, FIELD	Fresh Chronic	9.	9	0	0.00				5	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	9	2	0.22				5	1	0.20	4	1	0.25			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	8	0	0.00				5	0	0.00	3	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	9	0	0.00				5	0	0.00	4	0	0.00			
		Drinking Water	250.	9	0	0.00				5	0	0.00	4	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	9	9	1.00				5	5	1.00	4	4	1.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	50.	6	0	0.00				4	0	0.00	2	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	6	0	0.00				4	0	0.00	2	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	5.	6	0	0.00				4	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: ARCH0161

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	6	0	0.00				4	0	0.00	2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	1300.	6	0	0.00				4	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	15.	6	0	0.00				4	0	0.00	2	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	100.	6	0	0.00				4	0	0.00	2	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	5000.	6	0	0.00				4	0	0.00	2	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	6	1	0.17				4	1	0.25	2	0	0.00			
		Drinking Water	50.	6	0	0.00				4	0	0.00	2	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	2.	6	0	0.00				4	0	0.00	2	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	50.	3	0	0.00				1	0	0.00	2	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	3	0	0.00				1	0	0.00	2	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	3	1	0.33				1	0	0.00	2	1	0.50			
		Drinking Water	5.	3	1	0.33				1	0	0.00	2	1	0.50			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	3	0	0.00				1	0	0.00	2	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	3	2	0.67				1	1	1.00	2	1	0.50			
		Drinking Water	1300.	3	0	0.00				1	0	0.00	2	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	15.	3	1	0.33				1	0	0.00	2	1	0.50			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	2.	3	0	0.00				1	0	0.00	2	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	100.	3	0	0.00				1	0	0.00	2	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	3	1	0.33				1	0	0.00	2	1	0.50			
		Drinking Water	5000.	3	0	0.00				1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ARCH0162

NPS Station ID: ARCH0162
LAT/LON: 38.738059/-109.505559
Agency: 112WRD
Date Created: 02/28/78
Location: (D-24-22) 8ABA-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 384417109302001
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030005010800.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/70-09/16/70	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	09/16/70-09/16/70	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/16/70-09/16/70	1	9190.	9190.	9190.	9190.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/16/70-09/16/70	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/16/70-09/16/70	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/70-09/16/70	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/16/70-09/16/70	1	449.	449.	449.	449.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/16/70-09/16/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/16/70-09/16/70	1	813.	813.	813.	813.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/16/70-09/16/70	1	445.	445.	445.	445.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/16/70-09/16/70	1	194.	194.	194.	194.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/16/70-09/16/70	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/16/70-09/16/70	1	1820.	1820.	1820.	1820.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	09/16/70-09/16/70	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/16/70-09/16/70	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	09/16/70-09/16/70	1	2800.	2800.	2800.	2800.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	09/16/70-09/16/70	1	306.	306.	306.	306.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/16/70-09/16/70	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/16/70-09/16/70	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/16/70-09/16/70	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/16/70-09/16/70	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/16/70-09/16/70	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/16/70-09/16/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/16/70-09/16/70	1	102.	102.	102.	102.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/16/70-09/16/70	1	5560.	5560.	5560.	5560.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/16/70-09/16/70	1	5440.	5440.	5440.	5440.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/16/70-09/16/70	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	09/16/70-09/16/70	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: ARCH0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		Drinking Water	250.	1	1	1.00	1	1	1.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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									
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	1	1.00	1	1	1.00									
		Drinking Water	50.	1	1	1.00	1	1	1.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0163

NPS Station ID: ARCH0163 LAT/LON: 38.738003/-109.579588 Agency: 11NPSWRD Date Created: 05/22/99
Location: SALT VALLEY WASH SPG 1 MI SW OF FIERY FURNACE FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_NPS_599523/SVW1 /599523
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. SALT VALLEY WASH IS A WASH SPRING AND IS LOCATED INSIDE THE ARCHES NATIONAL PARK BOUNDARY. THE SAMPLES WERE COLLECTED AND ANALYZED BY NATIONAL PARK SERVICE PERSONNEL. THE MONITORING BEGAN IN RESPONSE TO A PROPOSED SITING OF A NUCLEAR WASTE REPOSITORY NEAR THE PARK AS STATED BY B. LONG AND R. SMITH IN THE REPORT "WATER QUALITY DATA ANALYSIS AND INTERPRETATION FOR SPRING MONITORING SITES SOUTHEAST UTAH GROUP" (AUGUST 1996). THE INITIAL MONITORING OBJECTIVES WERE TO ESTABLISH A BASELINE DATABASE; DETECT POTENTIAL CHANGES; AND IDENTIFY AREAS OF CONCERN. THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYZED THE SAMPLES IN A COOPERATIVE EFFORT WITH THE PARK SERVICE BEGINNING 4/24/1991. THESE DATA CAN BE FOUND UNDER THE STATION 599523. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/15/89-05/03/90	2	10.65	10.65	10.8	10.5	0.045	0.212	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/15/89-05/03/90	2	1492.5	1492.5	2630.	355.	2587812.5	1608.668	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/15/89-05/03/90	2	3.95	3.95	5.3	2.6	3.645	1.909	**	**	**	**
00400	PH (STANDARD UNITS)	05/15/89-05/03/90	2	7.235	7.235	7.27	7.2	0.002	0.049	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/89-05/03/90	2	7.234	7.234	7.27	7.2	0.002	0.05	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/89-05/03/90	2	0.058	0.058	0.063	0.054	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/15/89-05/03/90	2 ##	175.25	175.25	342.	8.5	55611.125	235.82	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	05/03/90-05/03/90	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/15/89-05/03/90	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00655	PHOSPHATE, POLY (MG/L AS PO4)	05/15/89-05/15/89	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/15/89-05/03/90	2	2471.	2471.	2804.	2138.	221778.	470.933	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/15/89-05/03/90	2	106.5	106.5	152.	61.	4140.5	64.347	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/15/89-05/03/90	2	641.	641.	1254.	28.	751538.	866.913	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/15/89-05/03/90	2	1640.	1640.	2480.	800.	1411200.	1187.939	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/15/89-05/03/90	2	6685.	6685.	13120.	250.	82818450.	9100.464	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/15/89-05/03/90	2	12600.	12600.	17200.	8000.	42320000.	6505.382	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/15/89-05/03/90	2 ##	5.	5.	10.	0.	50.	7.071	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/15/89-05/03/90	2 ##	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.162								

** - 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 time series plot

Parameter Inventory for Station: ARCH0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/15/89-05/03/90	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/15/89-05/03/90	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								

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

EPA Water Quality Criteria Analysis for Station: ARCH0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-10/14---------- Obs	Exceed	Prop.	----------10/15-3/31---------- Obs	Exceed	Prop.	----------4/01-5/31---------- Obs	Exceed	Prop.	----------6/01-7/14---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	1	0.50							2	1	0.50			
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	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	1	0.50							2	1	0.50			
01042	COPPER, TOTAL	Fresh Acute	18.	2	2	1.00							2	2	1.00			
		Drinking Water	1300.	2	1	0.50							2	1	0.50			
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: ARCH0164

NPS Station ID: ARCH0164 LAT/LON: 38.740837/-109.524004 Agency: 11NPSWRD Date Created: 08/07/99
Location: SALT WASH 100 FT BELOW CONFL. OF FRESH WTR CNYN FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): ARCH_BLM_STW5
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 4360 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT SALT WASH 100 FEET BELOW THE CONFLUENCE OF FRESH WATER CANYON AND IS INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	26.2	26.2	26.2	26.2	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	2940.	2940.	2940.	2940.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	160.	160.	160.	160.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/10/83-08/10/83	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	1344.	1344.	1344.	1344.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	1	7320.	7320.	7320.	7320.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0164

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ARCH0165

NPS Station ID: ARCH0165 LAT/LON: 38.741865/-109.527505 Agency: 11NPSWRD Date Created: 05/22/99
Location: FRESHWATER SPG IN SALT WASH .5 MI AB RD XING FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): ARCH_NPS_599520/FW1 /599520
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: UPPER COLORADO RIVER ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 25.40 On/Off RF1:
RF3 Index: 14060008012800.00 RF3 Mile Point: 0.33 Distance from RF3: 0.02 On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. FRESHWATER CANYON IS A WASH SPRING AND IS LOCATED INSIDE THE ARCHES NATIONAL PARK BOUNDARY. THE SAMPLES WERE COLLECTED AND ANALYZED BY NATIONAL PARK SERVICE PERSONNEL. THE MONITORING BEGAN IN RESPONSE TO A PROPOSED SITING OF A NUCLEAR WASTE REPOSITORY NEAR THE PARK AS STATED BY B. LONG AND R. SMITH IN THE REPORT "WATER QUALITY DATA ANALYSIS AND INTERPRETATION FOR SPRING MONITORING SITES SOUTHEAST UTAH GROUP" (AUGUST 1996). THE INITIAL MONITORING OBJECTIVES WERE TO ESTABLISH A BASELINE DATABASE; DETECT POTENTIAL CHANGES; AND IDENTIFY AREAS OF CONCERN. THE UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY ANALYZED THE SAMPLES IN A COOPERATIVE EFFORT WITH THE PARK SERVICE BEGINNING 8/20/1990. THESE DATA CAN BE FOUND UNDER THE STATION 599520. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/84-04/24/90	11	16.8	16.545	33.2	0.9	84.843	9.211	1.	13.6	21.6	30.94
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/21/86-12/10/86	2	1.045	1.045	2.	0.09	1.824	1.351	**	**	**	**
00090	OXIDATION REDUCTION POTENTIAL (MILLIVOLTS)	04/24/90-04/24/90	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/27/84-04/24/90	11	364.	361.909	492.	258.	5549.891	74.498	262.4	293.	413.	483.6
00300	OXYGEN, DISSOLVED MG/L	12/27/84-04/24/90	10	8.85	8.7	13.8	5.2	6.338	2.517	5.32	6.7	10.2	13.5
00400	PH (STANDARD UNITS)	12/27/84-04/24/90	11	7.6	7.242	9.3	2.4	3.54	1.881	3.06	6.95	8.31	9.22
00400	CONVERTED PH (STANDARD UNITS)	12/27/84-04/24/90	11	7.6	3.441	9.3	2.4	19.429	4.408	3.06	6.95	8.31	9.22
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/84-04/24/90	11	0.025	362.124	3981.072	0.001	1440646.722	1200.269	0.001	0.005	0.112	3185.256
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/84-08/09/89	11	200.	185.364	291.	17.	7490.055	86.545	37.6	120.	289.	291.
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/84-04/24/90	11 ##	0.05	0.086	0.3	0.05	0.007	0.084	0.05	0.05	0.05	0.28
00655	PHOSPHATE, POLY (MG/L AS PO4)	12/27/84-04/24/90	11	1.1	1.136	2.4	0.05	0.752	0.867	0.05	0.4	2.	2.36
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/84-04/24/90	12	210.	203.	308.	133.	3065.091	55.363	134.2	142.75	234.75	297.2
00940	CHLORIDE,TOTAL IN WATER MG/L	12/10/86-04/24/90	8	30.	69.25	152.	23.	3695.929	60.794	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/84-04/24/90	11	13.	16.545	32.	2.5	131.223	11.455	2.5	8.	30.	31.6
01042	COPPER, TOTAL (UG/L AS CU)	12/27/84-04/24/90	10 ##	50.	95.	400.	50.	12472.222	111.679	50.	50.	75.	375.
01045	IRON, TOTAL (UG/L AS FE)	12/27/84-08/09/89	10 ##	50.	65.	200.	50.	2250.	47.434	50.	50.	50.	185.
01055	MANGANESE, TOTAL (UG/L AS MN)	12/27/84-08/09/89	9 ##	50.	144.444	400.	50.	20902.778	144.578	50.	50.	300.	400.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	12/27/84-08/09/89	10 ##	5.	92.5	800.	0.	62195.833	249.391	0.	0.	50.	725.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	12/27/84-08/09/89	10 ##	0.5	0.848	2.903	0.	1.044	1.022	0.	0.	1.699	2.783

** - Less than 9 observations ## - 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: ARCH0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			7.042								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-04/24/90	7 ##	0.	2.143	10.	0.	15.476	3.934	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/10/86-04/24/90	7 ##	0.	0.243	1.	0.	0.179	0.424	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.749								

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

EPA Water Quality Criteria Analysis for Station: ARCH0165

				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
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.	10	0	0.00	3	0	0.00	2	0	0.00	5	0	0.00			
00400	PH	Fresh Chronic	9.	11	1	0.09	4	0	0.00	2	1	0.50	5	0	0.00			
		Other-Lo Lim.	6.5	11	2	0.18	4	0	0.00	2	1	0.50	5	1	0.20			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	250.	8	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	11	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2 &	2	1.00				1	1	1.00	1	1	1.00			
		Drinking Water	1300.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00			

& - 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: ARCH0166

NPS Station ID: ARCH0166 | LAT/LON: 38.741865/-109.527505 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: FRESH WATER SPRING | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_BLM_FWSP
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 4400 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT FRESH WATER SPRING INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	27.6	27.6	27.6	27.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	5110.	5110.	5110.	5110.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	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: ARCH0166

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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: ARCH0166

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	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: ARCH0167

NPS Station ID: ARCH0167 | LAT/LON: 38.742059/-109.527671 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: FRESHWATER CANYON LOWER POOL | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_BIO_4
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT THE LOWER PLUNGE POOL IN FRESHWATER CANYON AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY DOUGLAS A. SELBY AND PAUL B. HOLDEN; "SURVEY OF FISH; INVERTEBRATES AND ALGAE IN SALT WASH; ARCHES NATIONAL PARK;" NOVEMBER 1979. THE REPORT WAS SUBMITTED BY BIO/WEST INC. TO CANYONLANDS NATIONAL PARK. DATA WERE COLLECTED IN ORDER TO IDENTIFY AND SURVEY THE AQUATIC LIFE IN THE ONLY PERENNIAL STREAM IN THE PARK; SALT WASH. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/06/79-10/06/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	1	350.	350.	350.	350.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/06/79-10/06/79	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/06/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/79-10/06/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/79-10/06/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	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: ARCH0167

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	1	1	1.00	1	1	1.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0168

NPS Station ID: ARCH0168 | LAT/LON: 38.742448/-109.528003 | Agency: 11NPSWRD | Date Created: 08/14/99
Location: FRESHWATER CANYON UPPER POOL | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_BIO_5
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SAMPLING SITE IS AT THE UPPER PLUNGE POOL IN FRESHWATER CANYON AND IS INSIDE THE ARCHES NATIONAL PARK BOUNDARY. DATA ARE FROM A REPORT BY DOUGLAS A. SELBY AND PAUL B. HOLDEN; "SURVEY OF FISH; INVERTEBRATES AND ALGAE IN SALT WASH; ARCHES NATIONAL PARK;" NOVEMBER 1979. THE REPORT WAS SUBMITTED BY BIO/WEST INC. TO CANYONLANDS NATIONAL PARK. DATA WERE COLLECTED IN ORDER TO IDENTIFY AND SURVEY THE AQUATIC LIFE IN THE ONLY PERENNIAL STREAM IN THE PARK; SALT WASH. FOR PARK INFORMATION CONTACT THE RESOURCE MANAGER AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532-0907 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY RONDA BURNS; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525-5596 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/06/79-10/06/79	1	255.	255.	255.	255.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/06/79-10/06/79	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/06/79-10/06/79	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/06/79-10/06/79	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00480	SALINITY - PARTS PER THOUSAND	10/06/79-10/06/79	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: ARCH0168

			Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00406 PH, FIELD	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: ARCH0169

NPS Station ID: ARCH0169 LAT/LON: 38.741300/-109.527150 Agency: 21UTAH Date Created: 12/22/90
Location: FRESHWATER SPG IN SALT WASH .5MI AB RD XING SW-1 FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 599520
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 14030005 RF1 Mile Point: 0.000 Distance from RF1: 1.10 On/Off RF1:
RF3 Index: 14030005020700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.03 On/Off RF3:
Description:
WATER QUALITY STATION IS LOCATED IN ARCHES NP. THIS PARK IS MANAGED BY THE NATIONAL PARK SERVICE'S SOUTHEAST UTAH GROUP. WATER SAMPLES WERE COLLECTED BY CANYONLANDS NATIONAL PARK NATURAL RESOURCE MANAGEMENT STAFF (125 W. 200 S.; MOAB UT 84532; 435-259-3911); ANALYZED BY THE UTAH DEPARTMENT OF HEALTH LABORATORY AND UPLOADED INTO STORET BY THE UTAH DEPARTMENT OF ENV QUALITY - DIVISION OF WATER QUALITY. DATA COLLECTED AT THE SAME LOCATION PRIOR TO 4/24/1990 CAN BE FOUND AT STATION ARCH_NPS_599520.

Parameter Inventory for Station: ARCH0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/90-11/28/99	22	16.175	14.37	25.83	1.4	57.917	7.61	2.29	8.025	20.45	23.83
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/09/91-11/28/99	20	19.75	18.175	28.	5.5	48.75	6.982	8.2	10.625	24.25	27.
00058	FLOW, RATE GALLONS/MIN	08/28/97-11/28/99	9	4.	3.85	10.	0.25	9.352	3.058	0.25	0.7	5.	10.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/93-04/24/99	5 ##	0.5	4.4	20.	0.5	76.05	8.721	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/90-11/28/99	23	0.9	1.304	4.	0.14	1.677	1.295	0.232	0.334	2.	3.92
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/90-11/28/99	22	357.	351.045	485.	172.	4487.76	66.991	230.9	334.	389.	417.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/90-11/28/99	23	358.	353.783	488.	177.	3874.36	62.244	271.6	337.	385.	441.4
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	08/20/90-11/28/99	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	08/20/90-11/28/99	21	9.	8.664	14.3	3.	8.598	2.932	4.44	6.055	10.4	12.78
00335	COD, .025N K2CR2O7 MG/L	05/09/91-05/09/91	1 ##	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/90-11/28/99	23	8.2	8.158	8.5	7.7	0.051	0.226	7.746	8.	8.33	8.422
00400	CONVERTED PH (STANDARD UNITS)	08/20/90-11/28/99	23	8.2	8.097	8.5	7.7	0.055	0.234	7.746	8.	8.33	8.422
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/90-11/28/99	23	0.006	0.008	0.02	0.003	0.	0.005	0.004	0.005	0.01	0.018
00405	CARBON DIOXIDE (MG/L AS CO2)	08/20/90-11/28/99	23	2.	2.348	7.	1.	2.055	1.434	1.	1.	3.	4.6
00406	PH, FIELD, STANDARD UNITS SU	08/20/90-11/28/99	22	8.1	7.932	8.8	6.2	0.323	0.568	7.125	7.7	8.37	8.47
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/20/90-11/28/99	22	8.1	7.358	8.8	6.2	0.669	0.818	7.125	7.7	8.37	8.47
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/90-11/28/99	22	0.008	0.044	0.631	0.002	0.018	0.133	0.003	0.004	0.02	0.077
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/90-11/28/99	23	167.	166.13	259.	84.	1212.3	34.818	122.6	149.	184.	210.2
00440	BICARBONATE ION (MG/L AS HCO3)	08/20/90-11/28/99	23	204.	202.652	316.	103.	1798.419	42.408	149.8	181.	224.	256.4
00445	CARBONATE ION (MG/L AS CO3)	08/20/90-11/28/99	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/90-11/28/99	23 ##	2.	6.161	52.	1.5	135.627	11.646	1.5	1.5	5.2	22.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/90-04/24/99	21 ##	0.025	0.028	0.07	0.025	0.	0.011	0.025	0.025	0.025	0.045
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/09/91-05/09/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/09/91-05/09/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/90-04/04/97	12	0.31	0.436	1.09	0.05	0.097	0.312	0.095	0.213	0.558	1.045
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/16/99-08/16/99	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/20/90-11/28/99	21	0.04	0.157	1.76	0.005	0.144	0.38	0.01	0.015	0.096	0.363
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/90-11/28/99	23 ##	0.01	0.018	0.089	0.005	0.001	0.024	0.005	0.005	0.017	0.069
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/20/90-04/24/99	18 ##	0.005	0.009	0.038	0.005	0.	0.008	0.005	0.005	0.01	0.023
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/09/91-05/09/91	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/90-11/28/99	23	176.6	172.665	228.2	90.1	1014.294	31.848	124.24	153.4	190.6	219.3
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/20/90-11/28/99	23	51.7	49.713	75.1	19.	163.668	12.793	33.	42.	58.	67.76
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/20/90-11/28/99	23	9.92	11.818	20.7	3.1	22.307	4.723	6.192	8.6	17.	18.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/20/90-11/28/99	23	5.65	6.728	25.	3.	21.867	4.676	3.504	4.22	7.32	12.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/20/90-11/28/99	23	1.54	1.525	3.8	0.5	0.777	0.881	0.5	1.	1.9	2.96
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/20/90-11/28/99	23	5.	9.217	75.	0.5	240.218	15.499	1.5	3.	7.5	22.96
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/20/90-11/28/99	23	10.5	13.059	38.	5.	59.926	7.741	5.	8.7	17.4	22.307
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/01/93-11/28/99	14 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/01/93-11/28/99	14	315.	307.143	420.	230.	1975.824	44.45	240.	290.	320.	375.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/01/93-11/28/99	14 ##	0.5	0.593	1.8	0.5	0.121	0.347	0.5	0.5	0.5	1.15
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/01/93-11/28/99	14 ##	2.5	3.521	10.	2.5	5.037	2.244	2.5	2.5	3.2	8.25
01040	COPPER, DISSOLVED (UG/L AS CU)	10/01/93-11/28/99	14 ##	6.	6.914	14.8	6.	6.287	2.507	6.	6.	6.	12.4
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/93-11/28/99	14 ##	10.	14.857	34.3	10.	75.226	8.673	10.	10.	20.65	33.1
01049	LEAD, DISSOLVED (UG/L AS PB)	10/01/93-11/28/99	14 ##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/01/93-11/28/99	14	6.2	11.036	38.	2.5	125.292	11.193	2.5	2.5	17.25	33.5
01075	SILVER, DISSOLVED (UG/L AS AG)	10/01/93-11/28/99	14 ##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/01/93-11/28/99	14 ##	15.	15.	15.	15.	0.	0.	15.	15.	15.	15.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/22/96-11/28/99	13	33.	32.923	87.	15.	532.077	23.067	15.	15.	41.5	79.8
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/01/93-11/28/99	14 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	08/20/90-04/11/93	5 ##	2.5	1.8	2.5	0.5	0.95	0.975	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	08/13/91-11/28/99	21	121.	128.238	199.	92.	675.29	25.986	102.2	111.	136.	179.
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	08/13/91-11/28/99	21	70.	71.667	97.	55.	107.733	10.379	61.2	63.	76.	89.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/20/90-11/28/99	23	202.	207.913	328.	110.	1658.719	40.727	163.6	190.	226.	256.4
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/09/91-05/09/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/01/93-11/28/99	14 ##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/20/90-04/11/93	5	0.25	0.264	0.42	0.16	0.011	0.103	**	**	**	**
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	08/20/90-04/11/93	5	0.046	0.052	0.14	0.01	0.003	0.052	**	**	**	**
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5 ##	2.5	2.3	2.5	1.5	0.2	0.447	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5	16.	75.4	310.	5.	17313.8	131.582	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	08/20/90-04/11/93	5 ##	10.	10.	10.	10.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	21	1	0.05	8	0	0.00	6	0	0.00	7	1	0.14			
00400	PH	Fresh Chronic	9.	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	22	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	22	1	0.05	9	0	0.00	6	0	0.00	7	1	0.14			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00							1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00							1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	21	0	0.00	8	0	0.00	6	0	0.00	7	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
		Drinking Water	250.	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	23	0	0.00	9	0	0.00	6	0	0.00	8	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	50.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	5.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	1300.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	15.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	100.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	5000.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	50.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	2.	14	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00			
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	50.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	1300.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	15.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	2.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	5000.	5	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ARCH0170

NPS Station ID: ARCH0170 | LAT/LON: 38.749642/-109.524920 | Agency: 11NPSWRD | Date Created: 08/07/99
Location: SALT WASH | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): ARCH_BLM_STW6
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 4400 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE WINDOWS SECTION UT 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT SALT WASH INSIDE THE ARCHES NATIONAL PARK. THE DATA ARE FROM THE REPORT "ARCHES AND CANYONLANDS NATIONAL PARK AQUATIC STUDY" BY J. CONNOR (NPS) AND W.G. KEPNER (BLM) (1983). THE PURPOSE OF THE STUDY WAS TO MONITOR THE IMPACTS BY VISITORS IN THE BACKCOUNTRY TO WATER SOURCES IN THE PARKS. THE STUDY WAS A JOINT EFFORT BETWEEN THE NATIONAL PARK SERVICE AND THE BUREAU OF LAND MANAGEMENT. FOR MORE INFORMATION CONTACT THE CHIEF OF RESOURCES AT ARCHES NATIONAL PARK; P.O. BOX 907; MOAB UT 84532 (TEL. 801-259-8161). DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DR. SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/83-08/10/83	1	28.1	28.1	28.1	28.1	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/83-08/10/83	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/10/83-08/10/83	1	2310.	2310.	2310.	2310.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/10/83-08/10/83	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/10/83-08/10/83	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/10/83-08/10/83	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/83-08/10/83	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/10/83-08/10/83	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/10/83-08/10/83	1	896.	896.	896.	896.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/10/83-08/10/83	1	7320.	7320.	7320.	7320.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00406	PH, FIELD	Fresh Chronic	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: ARCH0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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: ARCH0171

NPS Station ID: ARCH0171 | LAT/LON: 38.797198/-109.538616 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17682 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_NURE_13 /1041263
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOLLIE HOGANS UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS INSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/78-07/08/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/78-07/08/78	1	900.	900.	900.	900.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/08/78-07/08/78	1	34.8	34.8	34.8	34.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/08/78-07/08/78	1	70.7	70.7	70.7	70.7	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/08/78-07/08/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/08/78-07/08/78	1	281.	281.	281.	281.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/08/78-07/08/78	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/08/78-07/08/78	1	114.	114.	114.	114.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/08/78-07/08/78	1	862.	862.	862.	862.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/08/78-07/08/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/08/78-07/08/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/08/78-07/08/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/08/78-07/08/78	1	66.	66.	66.	66.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/08/78-07/08/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/08/78-07/08/78	1	0.85	0.85	0.85	0.85	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/08/78-07/08/78	1	70669.	70669.	70669.	70669.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0171

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0172

NPS Station ID: ARCH0172
LAT/LON: 38.797500/-109.316667
Agency: 21UTAH
Date Created: 03/24/79
Location: COLO R AT TIRE ISLAND
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495845
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO R DRAINAGE
ECO Region:
RF1 Index: 14030005024
RF1 Mile Point: 10.110
Distance from RF1: 19.70
On/Off RF1: ON
RF3 Index: 14030005003005.13
RF3 Mile Point: 6.62
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/21/77-08/21/78	7	6.6	12.857	25.	3.	93.85	9.688	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/21/77-08/21/78	3	38.	201.667	550.	17.	91112.333	301.848	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/14/78-08/21/78	3	1590.	1440.	2150.	580.	633100.	795.676	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/21/77-08/21/78	10	1520.	1469.	2150.	580.	156610.	395.74	642.	1365.	1617.5	2105.
00300	OXYGEN, DISSOLVED MG/L	06/21/77-07/25/77	2	6.85	6.85	10.	3.7	19.845	4.455	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/21/77-02/14/78	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
00335	COD, .025N K2CR2O7 MG/L	06/21/77-02/14/78	3	16.	129.667	365.	8.	41552.333	203.844	**	**	**	**
00400	PH (STANDARD UNITS)	06/21/77-08/21/78	7	8.1	8.214	8.6	8.	0.065	0.254	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/21/77-08/21/78	7	8.1	8.158	8.6	8.	0.068	0.262	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/21/77-08/21/78	7	0.008	0.007	0.01	0.003	0.	0.003	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/21/77-08/21/78	8	2.	2.	3.	1.	0.571	0.756	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/21/77-08/21/78	4	153.	143.25	167.	100.	928.917	30.478	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/21/77-08/21/78	4	187.	175.	204.	122.	1393.333	37.327	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/21/78-08/21/78	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/21/77-02/14/78	3	910.	3661.333	9999.	75.	30298820.333	5504.436	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/77-08/21/78	3	0.1	0.233	0.5	0.1	0.053	0.231	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/25/77-02/14/78	2	0.1	0.1	0.15	0.05	0.005	0.071	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/21/77-08/21/78	4	0.9	0.888	1.2	0.55	0.071	0.266	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/77-02/14/78	2	7.65	7.65	14.1	1.2	83.205	9.122	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/14/78-02/14/78	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	02/14/78-02/14/78	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/21/77-08/21/78	4	497.5	491.25	560.	410.	4139.583	64.34	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/21/77-08/21/78	4	128.	128.	156.	100.	618.667	24.873	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/21/77-08/21/78	4	41.	41.5	45.	39.	6.333	2.517	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/21/77-08/21/78	4	150.	153.75	195.	120.	1372.917	37.053	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/21/77-08/21/78	4	6.5	7.75	13.	5.	14.25	3.775	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	06/21/77-08/21/78	5	140.	141.	195.	110.	1142.5	33.801	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	06/21/77-08/21/78	4	467.5	451.25	500.	370.	3272.917	57.209	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/21/77-08/21/78	4	0.41	0.408	0.47	0.34	0.003	0.056	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/21/77-08/21/78	4	7.	7.25	13.	2.	26.25	5.123	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/21/77-06/21/77	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/21/77-08/21/78	4	205.	192.5	240.	120.	2625.	51.235	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/21/77-02/14/78	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/21/77-06/21/77	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	07/25/77-08/21/78	2	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	06/21/77-08/21/78	10	330.	3581.3	24000.	23.	59511614.678	7714.377	29.7	135.	3022.5	22530.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	06/21/77-08/21/78	10	2.498	2.68	4.38	1.362	0.818	0.904	1.421	2.121	3.218	4.339
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			478.589								

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

Parameter Inventory for Station: ARCH0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	06/21/77-08/21/78	10	840.	3086.	11000.	40.	18988493.333	4357.579	40.	62.5	7950.	10830.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	06/21/77-08/21/78	10	2.922	2.822	4.041	1.602	0.89	0.943	1.602	1.784	3.898	4.034
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			664.248								
50051	FLOW, RATE, INSTANTANEOUS MGD	02/14/78-02/14/78	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/21/77-08/21/78	6	1029.	1058.333	1170.	966.	7163.867	84.64	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/21/77-02/14/78	3	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/14/78-08/21/78	2	2.	2.	2.	2.	0.	0.	**	**	**	**
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	07/25/77-02/14/78	2	0.375	0.375	0.7	0.05	0.211	0.46	**	**	**	**
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-07/25/77	2	20.	20.	25.	15.	50.	7.071	**	**	**	**
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-02/14/78	2	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	06/21/77-08/21/78	4	2.085	26.103	99.99	0.25	2427.384	49.268	**	**	**	**
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-08/21/78	4	152.5	462.5	1500.	45.	484975.	696.401	**	**	**	**
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-07/25/77	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-07/25/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	07/25/77-07/25/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/21/77-08/21/78	4	15.	18.75	35.	10.	139.583	11.815	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0172

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	1	0.33	1	0	0.00	1	1	1.00				1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	1	0.50	1	1	1.00							1	0	0.00
00400	PH	Fresh Chronic	9.	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00
		Other-Lo Lim.	6.5	7	0	0.00	3	0	0.00	2	0	0.00				2	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	5	0	0.00	2	0	0.00	1	0	0.00				2	0	0.00
		Drinking Water	250.	5	0	0.00	2	0	0.00	1	0	0.00				2	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	4	1.00	2	2	1.00	1	1	1.00				1	1	1.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	4	0	0.00	2	0	0.00	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
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	2	0	0.00				1	0	0.00				1	0	0.00
		Drinking Water	100.	2	0	0.00				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
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	2	0	0.00	2	0	0.00									
		Drinking Water	50.	2	0	0.00	2	0	0.00									
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	10	2	0.20	3	2	0.67	3	0	0.00	1	0	0.00	3	0	0.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	10	7	0.70	3	3	1.00	3	1	0.33	1	1	1.00	3	2	0.67
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	2	0	0.00	1	0	0.00							1	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	2	2	1.00	1	1	1.00	1	1	1.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	1	1	1.00	1	1	1.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00
		Drinking Water	5000.	4	0	0.00	2	0	0.00	1	0	0.00				1	0	0.00

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

Station Inventory for Station: ARCH0173

NPS Station ID: ARCH0173 | LAT/LON: 38.802198/-109.512505 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17663 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_NURE_16 /1041262
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOLLIE HOGANS UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/05/78-07/05/78	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/05/78-07/05/78	1	400.	400.	400.	400.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/05/78-07/05/78	1	38.3	38.3	38.3	38.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/05/78-07/05/78	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/05/78-07/05/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/05/78-07/05/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/05/78-07/05/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/05/78-07/05/78	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/05/78-07/05/78	1	281.	281.	281.	281.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/05/78-07/05/78	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/05/78-07/05/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/05/78-07/05/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/05/78-07/05/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/05/78-07/05/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/05/78-07/05/78	1	1.17	1.17	1.17	1.17	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/05/78-07/05/78	1	4045.	4045.	4045.	4045.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0173

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0174

NPS Station ID: ARCH0174
LAT/LON: 38.803333/-109.514167
Agency: 21UTAH
Date Created: / /
Location: LOST SPRING
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 599529
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/04/99-12/07/99	4	13.2	14.8	23.3	9.5	37.08	6.089	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/27/99-12/07/99	3	15.	17.333	25.	12.	46.333	6.807	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/23/99-12/07/99	2	1.625	1.625	3.	0.25	3.781	1.945	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/27/99-12/07/99	3	0.099	0.084	0.104	0.05	0.001	0.03	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/04/99-12/07/99	3	129.	163.333	240.	121.	4424.333	66.516	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/27/99-12/07/99	3	252.	250.667	252.	248.	5.333	2.309	**	**	**	**
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	04/27/99-12/07/99	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/04/99-12/07/99	4	6.75	6.225	8.7	2.7	7.969	2.823	**	**	**	**
00400	PH (STANDARD UNITS)	04/27/99-12/07/99	3	7.97	8.037	8.25	7.89	0.036	0.189	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/27/99-12/07/99	3	7.97	8.011	8.25	7.89	0.037	0.192	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/27/99-12/07/99	3	0.011	0.01	0.013	0.006	0.	0.004	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	04/27/99-12/07/99	3	2.	2.	3.	1.	1.	1.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	03/04/99-12/07/99	4	7.7	7.75	8.	7.6	0.03	0.173	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	03/04/99-12/07/99	4	7.7	7.727	8.	7.6	0.031	0.175	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/04/99-12/07/99	4	0.02	0.019	0.025	0.01	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/27/99-12/07/99	3	109.	110.333	117.	105.	37.333	6.11	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	04/27/99-12/07/99	3	132.	134.333	143.	128.	60.333	7.767	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/27/99-12/07/99	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/27/99-12/07/99	3 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/04/99-04/27/99	2 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/23/99-12/07/99	2	1.55	1.55	1.6	1.5	0.005	0.071	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	03/04/99-04/27/99	2	1.484	1.484	1.578	1.39	0.018	0.133	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/04/99-12/07/99	3 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/04/99-04/27/99	2 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/27/99-12/07/99	3	123.9	124.267	126.1	122.8	2.823	1.68	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/27/99-12/07/99	3	42.8	42.767	43.3	42.2	0.303	0.551	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/27/99-12/07/99	3	4.26	4.263	4.38	4.15	0.013	0.115	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/27/99-12/07/99	3	4.22	4.273	4.39	4.21	0.01	0.101	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/27/99-12/07/99	3	2.1	2.1	2.12	2.08	0.	0.02	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	04/27/99-12/07/99	3	4.	4.167	4.5	4.	0.083	0.289	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/27/99-12/07/99	3 ##	10.	18.7	36.1	10.	227.07	15.069	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/04/99-12/07/99	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/04/99-12/07/99	4	425.	422.5	430.	410.	91.667	9.574	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/04/99-12/07/99	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/04/99-12/07/99	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/04/99-12/07/99	4 ##	6.	6.	6.	6.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/04/99-12/07/99	4 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/04/99-12/07/99	4 ##	1.5	1.5	1.5	1.5	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: ARCH0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/04/99-12/07/99	4 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/04/99-12/07/99	4 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/04/99-12/07/99	4 ##	15.	15.	15.	15.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/04/99-12/07/99	4 ##	26.5	27.	40.	15.	192.667	13.88	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/04/99-12/07/99	4	1.25	1.25	1.3	1.2	0.003	0.058	**	**	**	**
50051	FLOW, RATE, INSTANTANEOUS MGD	03/04/99-03/04/99	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	03/04/99-12/07/99	4	92.	71.75	103.	0.	2320.917	48.176	**	**	**	**
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	03/04/99-12/07/99	4	53.	40.	54.	0.	711.333	26.671	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/27/99-12/07/99	3	148.	150.667	160.	144.	69.333	8.327	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/04/99-12/07/99	4 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: ARCH0174

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	1	0.25	1	0	0.00	2	0	0.00	1	1	1.00			
00400	PH	Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	2	0	0.00				1	0	0.00	1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	1300.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	15.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5000.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			

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

Station Inventory for Station: ARCH0175

NPS Station ID: ARCH0175
Location: (D-23-22)17CAB-S1
Station Type: /TYPA/AMBNT/SPRING
RMI-Indexes:
RMI-Miles:
HUC: 14030005

LAT/LON: 38.803615/-109.513059

Depth of Water: 0

Major Basin:
Minor Basin:
RF1 Index: 14030005
RF3 Index: 14060008008600.00
Description:

Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 112WRD
FIPS State/County: 49019 UTAH/GRAND
STORET Station ID(s): 384813109304701
Within Park Boundary: No

Aquifer:

Water Body Id:
ECO Region:
Distance from RF1: 2.60
Distance from RF3: 0.01

Date Created: 05/24/86

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: ARCH0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/10/85-06/10/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/10/85-06/10/85	1	255.	255.	255.	255.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/10/85-06/10/85	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/10/85-06/10/85	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/10/85-06/10/85	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/10/85-06/10/85	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/10/85-06/10/85	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/10/85-06/10/85	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/10/85-06/10/85	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/10/85-06/10/85	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/10/85-06/10/85	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/10/85-06/10/85	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/10/85-06/10/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/10/85-06/10/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/10/85-06/10/85	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/10/85-06/10/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/10/85-06/10/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/10/85-06/10/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/10/85-06/10/85	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/10/85-06/10/85	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/10/85-06/10/85	1	480.	480.	480.	480.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/10/85-06/10/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	06/10/85-06/10/85	1	350.	350.	350.	350.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/10/85-06/10/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	06/10/85-06/10/85	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
09511	RADIUM 226, DISSOLVED, RADON METHOD	06/10/85-06/10/85	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	06/10/85-06/10/85	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/10/85-06/10/85	1	146.	146.	146.	146.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/10/85-06/10/85	1	143.	143.	143.	143.	0.	0.	**	**	**	**
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	06/10/85-06/10/85	1 ##	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	06/10/85-06/10/85	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0175

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00										1	0	0.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
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
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
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0176

NPS Station ID: ARCH0176 LAT/LON: 38.810500/-109.292667 Agency: 21UTAH Date Created: 01/16/79
Location: COLORADO R NEAR CISCO AB DEWEY BRIDGE FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 495850
RMI-Indexes: 1101000 Within Park Boundary: No
RMI-Miles:
HUC: 14030005 Depth of Water: 0 Aquifer:
Major Basin: COLORADO RIVER Elevation: 0 Water Body Id:
Minor Basin: MIDDLE COLORADO R-MAIN STEM ECO Region:
RF1 Index: 14030005024 RF1 Mile Point: 12.570 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 14030005001902.94 RF3 Mile Point: 4.60 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/19/76-03/11/81	45	7.5	9.813	23.5	0.5	43.55	6.599	1.56	4.05	15.75	20.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/22/78-04/07/81	44	4205.	7287.705	34400.	99.	62601994.166	7912.142	2635.	3697.5	5625.	22650.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	02/19/76-04/07/81	60	74.	211.943	1200.	3.2	106326.574	326.078	8.11	12.25	228.75	1000.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/19/78-03/11/81	39	1125.	1247.949	4700.	245.	630477.26	794.026	450.	830.	1450.	1750.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/19/76-04/07/81	64	1240.	1203.563	3160.	340.	302201.552	549.729	390.	815.	1545.	1735.
00300	OXYGEN, DISSOLVED MG/L	02/19/76-03/11/81	40	8.65	9.202	14.2	5.9	4.786	2.188	6.31	7.6	10.875	12.74
00310	BOD, 5 DAY, 20 DEG C MG/L	02/19/76-11/21/79	29	2.	2.172	6.	1.	1.862	1.365	1.	1.	3.	4.
00335	COD, .025N K2CR2O7 MG/L	02/19/76-04/07/81	47	18.	26.245	145.	4.	725.02	26.926	7.	12.	32.	55.
00400	PH (STANDARD UNITS)	02/19/76-12/13/79	44	8.3	8.266	8.7	7.7	0.046	0.215	8.	8.1	8.4	8.6
00400	CONVERTED PH (STANDARD UNITS)	02/19/76-12/13/79	44	8.3	8.213	8.7	7.7	0.049	0.221	8.	8.1	8.4	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/19/76-12/13/79	44	0.005	0.006	0.02	0.002	0.	0.003	0.003	0.004	0.008	0.01
00405	CARBON DIOXIDE (MG/L AS CO2)	02/19/76-04/07/81	80	2.	5.625	114.	1.	351.68	18.753	1.	1.	2.	3.
00406	PH, FIELD, STANDARD UNITS SU	02/19/76-01/06/81	35	8.1	8.12	8.9	7.2	0.119	0.345	7.68	7.9	8.3	8.54
00406	CONVERTED PH, FIELD, STANDARD UNITS	02/19/76-01/06/81	35	8.1	7.97	8.9	7.2	0.143	0.378	7.68	7.9	8.3	8.54
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/19/76-01/06/81	35	0.008	0.011	0.063	0.001	0.	0.012	0.003	0.005	0.013	0.022
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/19/76-04/07/81	61	144.	137.197	179.	80.	764.194	27.644	92.	117.5	158.	164.
00440	BICARBONATE ION (MG/L AS HCO3)	02/19/76-04/07/81	60	172.	164.317	218.	97.	1070.898	32.725	112.	141.5	191.	197.8
00445	CARBONATE ION (MG/L AS CO3)	08/23/79-04/07/81	18	4.	4.	8.	2.	2.824	1.68	2.	2.	4.5	6.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/19/76-04/07/81	42	120.	333.226	2780.	1.	306486.588	553.612	1.45	16.5	367.25	1130.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/19/76-04/07/81	57	0.2	0.223	0.9	0.05	0.032	0.18	0.05	0.1	0.3	0.5
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/19/76-04/07/81	50 ##	0.025	0.063	0.55	0.02	0.011	0.107	0.025	0.025	0.043	0.19
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/19/76-04/07/81	62	0.955	0.942	1.95	0.25	0.137	0.37	0.4	0.708	1.15	1.485
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/19/76-04/07/81	52	0.7	1.11	13.6	0.2	3.552	1.885	0.3	0.425	1.25	1.88
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/19/78-04/07/81	49	0.85	0.809	1.95	0.25	0.112	0.335	0.4	0.55	0.955	1.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/19/78-04/07/81	49	0.08	0.224	4.15	0.02	0.365	0.604	0.025	0.035	0.17	0.42
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/19/78-04/07/81	32	5.6	7.147	39.2	0.5	47.753	6.91	2.19	3.	8.775	13.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/19/76-04/07/81	61	350.	353.377	590.	124.	17481.139	132.216	152.	264.	460.	528.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	02/19/76-04/07/81	60	88.	90.1	160.	38.	1056.702	32.507	42.1	67.	112.	132.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	02/19/76-04/07/81	60	32.	30.417	51.	7.	161.501	12.708	11.	20.25	41.	44.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	02/19/76-04/07/81	60	124.5	124.9	480.	16.	6276.058	79.222	27.	70.75	155.	199.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	02/19/76-04/07/81	60	5.	5.45	26.	1.	13.303	3.647	2.	3.	6.	9.
00941	CHLORIDE, DISSOLVED IN WATER MG/L	02/19/76-04/07/81	60	133.	142.183	760.	14.	14016.322	118.391	21.1	70.5	170.	262.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	02/19/76-04/07/81	61	300.	290.475	650.	62.	20698.254	143.869	78.4	196.5	400.	459.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	02/19/76-04/07/81	61	0.29	0.294	0.54	0.03	0.011	0.106	0.14	0.245	0.36	0.41
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/19/76-04/07/81	61	10.	9.91	16.	0.5	4.629	2.152	8.	9.	11.	12.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/19/76-02/15/79	6	1.4	2.583	7.	0.2	7.778	2.789	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	02/15/79-02/15/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/19/76-04/07/81	60	120.	134.2	250.	36.	2496.163	49.962	81.	100.	158.75	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 time series plot

Parameter Inventory for Station: ARCH0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/19/76-02/15/79	2 ##	7.25	7.25	12.	2.5	45.125	6.718	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	01/19/78-02/15/79	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	02/19/76-04/07/81	51 ##	2.5	4.098	38.	2.	45.1	6.716	2.1	2.5	2.5	5.
01040	COPPER, DISSOLVED (UG/L AS CU)	02/19/76-02/15/79	4	7.5	8.25	15.	3.	28.917	5.377	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/20/76-02/15/79	6	12.5	16.667	50.	5.	286.667	16.931	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	02/19/76-02/15/79	2 ##	6.	6.	10.	2.	32.	5.657	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/15/79-02/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/19/76-02/15/79	3	10.	20.	40.	10.	300.	17.321	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	02/15/79-02/15/79	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	02/19/76-02/15/79	4	15.	15.	25.	5.	83.333	9.129	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/19/76-02/15/79	5	0.5	0.64	1.	0.4	0.063	0.251	**	**	**	**
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	03/14/78-04/07/81	51 ##	0.5	0.554	1.5	0.25	0.038	0.196	0.5	0.5	0.5	0.9
01501	ALPHA, TOTAL	03/14/78-03/14/78	1	3.	3.	3.	3.	0.	0.	**	**	**	**
03501	BETA, TOTAL	03/14/78-03/27/81	10	9.5	12.3	35.	1.	99.567	9.978	1.2	6.75	18.75	33.6
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	03/11/80-03/27/81	9	55.	93.111	291.	3.	12479.111	111.71	3.	11.	184.5	291.
09501	RADIUM 226, TOTAL	03/14/78-03/27/81	3	250.	390.667	918.	4.	223689.333	472.958	**	**	**	**
11501	RADIUM 228, TOTAL	03/11/80-03/27/81	4	1.	0.875	1.	0.5	0.063	0.25	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-03/10/81	30	315.	2524.5	24000.	23.	26759384.741	5172.947	23.	222.5	2400.	8830.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	02/19/76-03/10/81	30	2.486	2.691	4.38	1.362	0.745	0.863	1.362	2.347	3.38	3.938
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			491.246								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-03/10/81	29	230.	1642.448	21000.	9.	17800391.774	4219.051	11.5	25.75	840.	4600.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	02/19/76-03/10/81	29	2.362	2.283	4.322	0.954	0.934	0.966	1.061	1.331	2.922	3.663
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			191.874								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	04/25/78-06/26/79	13 ##	0.015	0.017	0.03	0.015	0.	0.006	0.015	0.015	0.015	0.03
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/19/76-04/07/81	65	814.	802.215	1952.	204.	130133.672	360.74	250.8	567.	1056.	1205.2
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/20/76-04/07/81	53	0.02	0.027	0.16	0.01	0.001	0.026	0.01	0.01	0.03	0.06
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	50	1.	2.04	18.	0.5	7.121	2.668	0.5	1.	2.25	4.45
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	03/14/78-04/07/81	49 ##	0.025	0.063	0.4	0.025	0.005	0.071	0.025	0.025	0.07	0.16
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	46 ##	0.75	1.565	5.	0.5	2.329	1.526	0.5	0.5	2.5	4.3
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-04/07/81	46 ##	5.	6.065	35.	1.5	31.996	5.656	2.5	2.5	7.625	10.
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	53	8.	11.962	40.	2.5	93.681	9.679	5.	5.	16.	27.4
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	02/19/76-04/07/81	60	1.565	2.479	10.5	0.015	7.407	2.722	0.18	0.343	3.675	6.985
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-04/07/81	47 ##	5.	11.277	50.	1.5	116.357	10.787	2.5	5.	20.	27.6
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	53	89.	171.208	1200.	5.	48615.821	220.49	25.	31.	227.5	438.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	12/28/77-04/07/81	49 ##	0.05	0.148	1.5	0.05	0.05	0.225	0.05	0.05	0.2	0.3
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-04/07/81	44 ##	12.5	14.386	45.	5.	94.58	9.725	5.	5.	20.	25.
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	03/14/78-04/07/81	44 ##	2.5	2.852	15.	1.	6.193	2.489	1.	1.	5.	5.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/15/78-04/07/81	52	37.5	44.577	200.	2.5	1465.808	38.286	5.6	17.	65.	86.1

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

EPA Water Quality Criteria Analysis for Station: ARCH0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	60	34	0.57	11	3	0.27	32	14	0.44	11	11	1.00	6	6	1.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	40	0	0.00	7	0	0.00	22	0	0.00	8	0	0.00	3	0	0.00
00400	PH	Fresh Chronic	9.	44	0	0.00	10	0	0.00	20	0	0.00	10	0	0.00	4	0	0.00
		Other-Lo Lim.	6.5	44	0	0.00	10	0	0.00	20	0	0.00	10	0	0.00	4	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	35	0	0.00	8	0	0.00	18	0	0.00	6	0	0.00	3	0	0.00
		Other-Lo Lim.	6.5	35	0	0.00	8	0	0.00	18	0	0.00	6	0	0.00	3	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	50	0	0.00	10	0	0.00	28	0	0.00	7	0	0.00	5	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	62	0	0.00	12	0	0.00	33	0	0.00	11	0	0.00	6	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	49	0	0.00	10	0	0.00	27	0	0.00	7	0	0.00	5	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	60	0	0.00	11	0	0.00	32	0	0.00	11	0	0.00	6	0	0.00
		Drinking Water	250.	60	6	0.10	11	0	0.00	32	6	0.19	11	0	0.00	6	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	61	39	0.64	12	11	0.92	32	27	0.84	11	1	0.09	6	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	61	0	0.00	12	0	0.00	32	0	0.00	11	0	0.00	6	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	6	0	0.00				5	0	0.00	1	0	0.00			
		Drinking Water	50.	6	0	0.00				5	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: ARCH0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00				2	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	51	2	0.04	7	0	0.00	30	1	0.03	10	0	0.00	4	1	0.25
		Drinking Water	100.	51	0	0.00	7	0	0.00	30	0	0.00	10	0	0.00	4	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	4	0	0.00				4	0	0.00						
		Drinking Water	1300.	4	0	0.00				4	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						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00				2	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00				2	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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.	4	0	0.00				4	0	0.00						
		Drinking Water	5000.	4	0	0.00				4	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	5	0	0.00				4	0	0.00	1	0	0.00			
		Drinking Water	50.	5	0	0.00				4	0	0.00	1	0	0.00			
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	51	0	0.00	10	0	0.00	26	0	0.00	10	0	0.00	5	0	0.00
		Drinking Water	50.	51	0	0.00	10	0	0.00	26	0	0.00	10	0	0.00	5	0	0.00
07000	TRITIUM, TOTAL	Drinking Water	20000.	9	0	0.00	3	0	0.00	4	0	0.00				2	0	0.00
09501	RADIUM 226, TOTAL	Drinking Water	5.	2 &	1	0.50				2	1	0.50						
11501	RADIUM 228, TOTAL	Drinking Water	5.	4	0	0.00	1	0	0.00	2	0	0.00				1	0	0.00
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	30	10	0.33	7	1	0.14	13	2	0.15	7	5	0.71	3	2	0.67
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	28 &	16	0.57	7	3	0.43	13	5	0.38	5	5	1.00	3	3	1.00
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	50	0	0.00	9	0	0.00	25	0	0.00	10	0	0.00	6	0	0.00
		Drinking Water	50.	50	0	0.00	9	0	0.00	25	0	0.00	10	0	0.00	6	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	49	0	0.00	9	0	0.00	24	0	0.00	10	0	0.00	6	0	0.00
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	46	8	0.17	8	1	0.13	25	3	0.12	9	3	0.33	4	1	0.25
		Drinking Water	5.	46	4	0.09	8	0	0.00	25	1	0.04	9	3	0.33	4	0	0.00
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	46	0	0.00	8	0	0.00	24	0	0.00	10	0	0.00	4	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	53	11	0.21	10	0	0.00	27	4	0.15	10	5	0.50	6	2	0.33
		Drinking Water	1300.	53	0	0.00	10	0	0.00	27	0	0.00	10	0	0.00	6	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	47	0	0.00	8	0	0.00	24	0	0.00	10	0	0.00	5	0	0.00
		Drinking Water	15.	47	15	0.32	8	2	0.25	24	3	0.13	10	8	0.80	5	2	0.40
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	49	0	0.00	8	0	0.00	27	0	0.00	10	0	0.00	4	0	0.00
		Drinking Water	2.	49	0	0.00	8	0	0.00	27	0	0.00	10	0	0.00	4	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	44	0	0.00	7	0	0.00	24	0	0.00	9	0	0.00	4	0	0.00
		Drinking Water	100.	44	0	0.00	7	0	0.00	24	0	0.00	9	0	0.00	4	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	37 &	6	0.16	6	0	0.00	18	3	0.17	9	3	0.33	4	0	0.00
		Drinking Water	100.	44	0	0.00	7	0	0.00	24	0	0.00	9	0	0.00	4	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	52	2	0.04	10	0	0.00	27	0	0.00	10	2	0.20	5	0	0.00
		Drinking Water	5000.	52	0	0.00	10	0	0.00	27	0	0.00	10	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: ARCH0177

NPS Station ID: ARCH0177
LAT/LON: 38.812503/-109.303056
Agency: 112WRD
Date Created: / /
Location: COLORADO RIVER NEAR CISCO UTAH
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 09180500
RMI-Indexes: 1101000
Within Park Boundary: No
RMI-Miles: 1026.00
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 14030004003100.65
RF3 Mile Point: 1.38
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)	01/07/72-05/08/73	5	7.	6.8	13.	2.	23.7	4.868	**	**	**	**
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	682	15.	14.212	28.9	0.	48.616	6.973	4.	9.4	20.	22.94
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	178	16.5	16.117	38.	-14.5	126.395	11.243	4.	9.	26.625	30.5
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	115	660.	655.461	670.	557.	192.531	13.876	650.	655.	660.	660.4
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	2088	3458.	6946.091	61900.	65.	65452775.749	8090.289	2182.	2615.25	7242.25	17882.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	374	5550.	10417.182	53100.	1420.	105646943.13	10278.47	2545.	3400.	16600.	24600.
00065	STAGE, STREAM (FEET)	07/22/83-02/20/86	29	4.25	5.354	13.71	2.91	7.08	2.661	3.36	3.7	6.56	10.09
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/22/74-04/19/78	18	30.	90.167	400.	8.	16902.5	130.01	8.	13.75	90.	391.
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/24/78-05/22/96	98	60.	203.174	5000.	2.5	300262.863	547.962	6.97	20.	202.5	411.
00080	COLOR (PLATINUM-COBALT UNITS)	09/20/53-08/07/62	4	9.	10.75	20.	5.	42.25	6.5	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/21/80-10/21/80	1	1450.	1450.	1450.	1450.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/01/35-08/26/96	1562	1510.	1419.491	14690.	290.	447026.091	668.6	514.3	959.75	1870.	2040.
00300	OXYGEN, DISSOLVED MG/L	10/15/70-08/26/96	181	9.2	9.45	14.2	6.4	3.11	1.763	7.3	7.95	10.55	11.98
00400	PH (STANDARD UNITS)	10/11/45-08/26/96	1046	7.8	7.812	8.7	6.6	0.109	0.33	7.4	7.6	8.1	8.2
00400	CONVERTED PH (STANDARD UNITS)	10/11/45-08/26/96	1046	7.8	7.675	8.7	6.6	0.127	0.357	7.4	7.6	8.1	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/11/45-08/26/96	1046	0.016	0.021	0.251	0.002	0.	0.022	0.006	0.008	0.025	0.04
00403	PH, LAB, STANDARD UNITS SU	10/21/80-05/22/96	112	8.1	8.08	8.5	7.2	0.044	0.21	7.8	8.	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	10/21/80-05/22/96	112	8.1	8.016	8.5	7.2	0.049	0.22	7.8	8.	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/21/80-05/22/96	112	0.008	0.01	0.063	0.003	0.	0.008	0.005	0.006	0.01	0.016
00405	CARBON DIOXIDE (MG/L AS CO2)	10/11/45-06/23/80	142	3.2	4.754	27.	0.6	20.062	4.479	1.33	2.	6.2	9.79
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/01/28-08/19/87	1222	157.	152.63	221.	69.	766.702	27.689	110.	136.	172.	184.
00417	ALKALINITY,FIXED ENDPOINT TITRATION, USGS LAB MG/L	12/19/86-12/19/86	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/01/28-08/19/87	1402	190.	184.996	269.	84.	1109.965	33.316	134.	164.	209.	224.
00445	CARBONATE ION (MG/L AS CO3)	10/01/58-08/19/87	388	0.	0.357	44.	0.	6.721	2.592	0.	0.	0.	0.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/25/87-08/26/96	47	0.	3.511	20.	0.	26.429	5.141	0.	0.	7.	10.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/25/87-08/26/96	47	168.	183.043	520.	89.	7025.824	83.82	106.	130.	192.	344.
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)	03/19/75-04/24/80	6	4.985	13.482	58.6	0.079	507.513	22.528	**	**	**	**
00573	BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	03/19/75-04/24/80	6	6.795	15.072	62.5	0.08	561.286	23.691	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/22/74-09/24/81	42	1.65	1.815	4.2	0.86	0.42	0.648	1.13	1.3	2.225	2.68
00602	NITROGEN, DISSOLVED (MG/L AS N)	11/15/79-09/24/81	19	1.4	1.616	4.1	0.82	0.558	0.747	0.93	1.2	1.7	2.5
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/22/78-09/24/81	29	0.83	0.878	2.2	0.17	0.244	0.494	0.3	0.525	1.1	1.4
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/15/79-09/24/81	19	0.56	0.606	1.5	0.16	0.097	0.312	0.23	0.39	0.75	1.1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/15/79-05/22/96	105	0.05	0.072	0.68	0.	0.009	0.094	0.007	0.03	0.08	0.14
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/20/77-06/22/92	73	0.06	0.113	0.66	0.005	0.018	0.133	0.02	0.03	0.12	0.352
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	09/14/48-05/22/96	51 ##	0.005	0.302	15.	0.	4.407	2.099	0.005	0.005	0.01	0.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/21/90-06/22/92	12	0.02	0.023	0.11	0.005	0.001	0.028	0.005	0.01	0.02	0.086
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/12/43-01/19/71	119	1.4	1.439	5.	0.11	0.841	0.917	0.34	0.63	2.1	2.5
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/13/77-05/22/96	36	0.59	0.623	1.6	0.1	0.091	0.302	0.268	0.458	0.773	0.988

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

Parameter Inventory for Station: ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	02/22/78-09/24/81	29	0.28	0.385	1.7	0.	0.196	0.443	0.	0.03	0.65	0.86
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/22/74-05/22/96	113	0.73	1.1	23.	0.1	4.716	2.172	0.4	0.5	1.1	1.82
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/22/74-06/22/92	58	0.665	0.731	3.3	0.2	0.212	0.461	0.31	0.445	0.89	1.2
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/21/70-05/22/96	161	0.6	0.668	3.2	0.	0.187	0.433	0.3	0.4	0.8	1.1
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	02/09/67-05/03/79	4	0.07	0.288	1.	0.01	0.226	0.476	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	12/06/67-02/24/83	63	0.03	0.05	0.41	0.	0.005	0.069	0.	0.	0.06	0.12
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/22/74-05/22/96	117	0.09	0.176	2.	0.005	0.065	0.256	0.028	0.04	0.19	0.47
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/20/77-05/22/96	103	0.02	0.022	0.07	0.	0.	0.014	0.005	0.01	0.03	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/06/71-05/22/96	137	0.01	0.031	1.2	0.	0.014	0.119	0.005	0.005	0.02	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-09/24/81	23	7.7	9.	27.	3.1	39.556	6.289	4.02	5.2	9.3	22.8
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/20/77-05/22/96	14	4.9	6.05	9.8	1.5	8.683	2.947	2.1	3.7	9.375	9.75
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	10/20/77-05/22/96	12	0.9	1.892	8.5	0.1	5.854	2.419	0.13	0.525	2.9	7.18
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/01/28-09/03/85	1401	475.	464.515	1090.	131.	32327.547	179.799	206.	328.	575.5	690.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/01/28-02/23/81	1375	319.	315.249	901.	9.	25488.964	159.653	96.	191.	411.	521.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/01/28-05/22/96	1443	112.	110.139	265.	33.	1587.857	39.848	56.	79.	135.	162.
00916	CALCIUM, TOTAL (MG/L AS CA)	11/21/90-07/22/91	5	93.	91.2	100.	85.	40.2	6.34	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/01/28-05/22/96	1443	46.	43.849	131.	0.05	418.472	20.457	16.	28.	57.	69.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/21/90-07/22/91	5	35.	33.2	38.	29.	16.2	4.025	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	11/21/90-07/22/91	5	120.	123.2	180.	68.	3139.2	56.029	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/01/28-05/22/96	1285	169.	154.951	495.	0.	6160.59	78.489	40.	95.	211.	238.
00931	SODIUM ADSORPTION RATIO	10/01/28-09/03/85	1266	3.2	3.047	9.7	0.6	1.485	1.219	1.2	2.2	3.9	4.3
00932	SODIUM, PERCENT	10/01/28-09/03/85	1135	41.	40.15	69.	0.	60.205	7.759	29.	36.	45.	48.
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/12/43-02/19/80	213	131.	128.169	298.	21.	4963.358	70.451	31.	59.	183.	221.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/01/28-05/22/96	1055	6.	5.934	16.	1.	5.405	2.325	2.8	4.1	7.6	8.4
00937	POTASSIUM, TOTAL MG/L AS K)	11/21/90-07/22/91	5	4.4	5.2	7.1	3.7	3.09	1.758	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/01/28-05/22/96	1514	139.	138.984	1838.	0.	8696.506	93.255	31.	75.75	190.	235.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/01/28-05/22/96	1509	431.	422.553	1320.	52.	46908.31	216.583	128.	250.	560.	690.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/11/33-05/22/96	326	0.3	0.341	1.2	0.	0.028	0.169	0.2	0.2	0.4	0.524
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/01/28-05/22/96	1366	13.	12.81	26.	2.7	10.045	3.169	9.	10.	15.	17.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/22/74-05/22/96	64	1.	1.18	5.	0.5	0.789	0.888	0.5	0.5	1.	2.
01001	ARSENIC, SUSPENDED (UG/L AS AS)	10/22/74-08/25/82	17	1.	2.5	21.	0.	25.844	5.084	0.	0.25	2.	9.8
01002	ARSENIC, TOTAL (UG/L AS AS)	10/22/74-07/22/91	26	2.	3.096	23.	0.5	20.34	4.51	0.5	1.	3.	8.
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/20/77-05/22/96	65	79.	95.185	400.	41.	3999.84	63.244	50.	58.5	100.	182.
01006	BARIUM, SUSPENDED (UG/L AS BA)	10/20/77-08/25/82	16	35.	155.625	1400.	0.	117026.25	342.091	0.	0.	200.	560.
01007	BARIUM, TOTAL (UG/L AS BA)	10/20/77-08/25/82	16	200.	278.125	1700.	50.	158656.25	398.317	50.	100.	300.	860.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/21/82-05/22/96	40 ##	0.25	0.353	2.	0.25	0.101	0.318	0.25	0.25	0.25	0.6
01020	BORON, DISSOLVED (UG/L AS B)	10/01/28-05/22/96	738	100.	113.187	11000.	0.	163704.354	404.604	40.	60.	130.	160.
01022	BORON, TOTAL (UG/L AS B)	09/11/48-09/11/48	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/22/74-05/22/96	61 ##	0.5	0.541	4.	0.	0.302	0.55	0.	0.5	0.5	0.5
01026	CADMIUM, SUSPENDED (UG/L AS CD)	10/22/74-02/19/80	12	4.5	5.333	20.	0.	32.97	5.742	0.	0.5	8.75	17.
01027	CADMIUM, TOTAL (UG/L AS CD)	10/22/74-08/25/82	21	2.	4.357	20.	0.	28.704	5.358	0.	0.25	10.	10.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/22/74-05/22/96	61 ##	0.5	1.672	10.	0.	7.807	2.794	0.	0.5	1.5	5.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	10/22/74-02/22/82	18	0.	3.556	10.	0.	22.85	4.78	0.	0.	10.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/22/74-08/25/82	21 ##	10.	8.762	50.	0.	140.19	11.84	0.	0.	10.	20.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/22/74-05/22/96	70 ##	1.5	1.307	1.5	0.	0.212	0.461	0.5	1.5	1.5	1.5
01036	COBALT, SUSPENDED (UG/L AS CO)	10/22/74-02/19/80	12	10.	14.167	49.	0.	245.061	15.654	0.	0.	25.	41.8
01037	COBALT, TOTAL (UG/L AS CO)	10/22/74-08/25/82	21	4.	18.048	50.	0.	490.448	22.146	0.	0.5	50.	50.
01040	COPPER, DISSOLVED (UG/L AS CU)	10/22/74-05/22/96	61	2.	2.508	10.	0.	3.571	1.89	0.6	1.	3.	4.8
01041	COPPER, SUSPENDED (UG/L AS CU)	10/22/74-08/25/82	20	7.5	109.175	1900.	0.	178146.56	422.074	1.1	3.625	23.75	90.6
01042	COPPER, TOTAL (UG/L AS CU)	10/22/74-08/25/82	21	10.	107.143	1900.	3.	169201.929	411.342	4.2	5.	25.	87.2
01044	IRON, SUSPENDED (UG/L AS FE)	10/27/78-08/25/82	8	3650.	11173.75	57000.	220.	367448483.929	19168.946	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	09/11/48-08/25/82	35	390.	3975.714	57000.	10.	101630231.092	10081.182	10.	10.	3000.	12400.
01046	IRON, DISSOLVED (UG/L AS FE)	11/17/70-05/22/96	71	8.	14.113	90.	1.5	290.08	17.032	4.	5.	17.	29.8
01049	LEAD, DISSOLVED (UG/L AS PB)	10/22/74-05/22/96	61 ##	1.	2.09	14.	0.	5.971	2.444	0.5	0.5	2.5	5.
01050	LEAD, SUSPENDED (UG/L AS PB)	10/22/74-10/28/81	17	16.	26.824	96.	1.	714.436	26.729	1.	3.5	48.25	58.8
01051	LEAD, TOTAL (UG/L AS PB)	10/22/74-08/25/82	21	21.	42.048	100.	3.	1560.748	39.506	4.2	11.	100.	100.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	10/22/74-04/20/82	20	70.	137.5	520.	10.	23461.842	153.173	20.	40.	180.	478.
01055	MANGANESE, TOTAL (UG/L AS MN)	10/22/74-08/25/82	21	100.	279.524	2800.	20.	354814.762	595.663	24.	55.	230.	516.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	11/17/70-05/22/96	72	6.	9.757	70.	0.	137.599	11.73	2.	3.25	11.	20.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/21/82-05/22/96	49 ##	5.	5.571	20.	3.	6.	2.449	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/15/79-05/22/96	59	1.	1.729	5.	0.	1.787	1.337	0.5	0.5	3.	4.
01066	NICKEL, SUSPENDED (UG/L AS NI)	11/15/79-02/22/82	8	2.	4.375	17.	0.	32.554	5.706	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/15/79-08/25/82	10	4.5	14.7	83.	2.	608.233	24.662	2.1	3.	16.	76.6

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

Parameter Inventory for Station: ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075	SILVER, DISSOLVED (UG/L AS AG)	10/20/77-05/22/96	65 ##	0.5	0.454	2.	0.	0.084	0.289	0.	0.5	0.5	0.5
01076	SILVER, SUSPENDED (UG/L AS AG)	10/20/77-08/24/81	12	0.	0.417	5.	0.	2.083	1.443	0.	0.	0.	3.5
01077	SILVER, TOTAL (UG/L AS AG)	10/20/77-08/25/82	19	0.	0.658	10.	0.	5.196	2.279	0.	0.	0.5	1.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/81-05/22/96	50	805.	860.	1900.	270.	100563.265	317.117	452.	667.5	1100.	1300.
01085	VANADIUM, DISSOLVED (UG/L AS V)	10/21/82-05/22/96	49 ##	3.	3.286	17.	3.	4.	2.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/22/74-05/22/96	61	13.	31.066	220.	0.	2103.604	45.865	1.5	6.	30.5	96.
01091	ZINC, SUSPENDED (UG/L ZN)	10/22/74-08/25/82	20	15.	80.	920.	0.	42568.421	206.321	0.	0.	47.5	237.
01092	ZINC, TOTAL (UG/L AS ZN)	10/22/74-08/25/82	21	40.	109.048	990.	0.	45619.048	213.586	12.	30.	90.	290.
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/22/96-05/22/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/21/82-05/22/96	48 ##	5.	13.604	90.	5.	271.393	16.474	5.	5.	20.	32.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/21/82-05/22/96	49	34.	35.714	57.	9.	157.417	12.547	19.	25.5	45.5	55.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/22/74-05/22/96	70	4.5	5.186	17.	0.5	10.03	3.167	2.	3.	6.25	9.9
01146	SELENIUM, SUSPENDED (UG/L AS SE)	10/22/74-08/25/82	21	0.	1.286	10.	0.	6.514	2.552	0.	0.	1.5	6.
01147	SELENIUM, TOTAL (UG/L AS SE)	10/22/74-07/22/91	26	7.	7.846	17.	2.	17.015	4.125	3.	5.	10.	14.6
04024	PROPACHLOR,DISSOLVED,WATER,TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
04028	BUTYLATE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
04037	PROMETON, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	1 ##	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
04040	DEETHYL ATRAZINE,DISSOLVED,WATER,TOT REC UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
04041	CYANAZINE,DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
04095	FONOFOS, DISSOLVED, WATER, TOTAL RECOVERABLE UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
07012	TRITIUM IN WATERMOLECULES (TRITIUM UNITS)	09/21/61-10/30/84	248	159.	310.679	2280.	33.6	124882.62	353.387	53.69	84.3	403.75	760.3
07013	TRITIUM IN WATERMOLEC,COUNTING ERROR(TRIT UNITS)	09/21/61-10/30/84	198	8.	10.37	43.	1.3	75.226	8.673	2.2	4.5	13.	23.3
22703	URANIUM, NATURAL, DISSOLVED	05/22/96-05/22/96	1	1.	1.	1.	1.	0.	0.	**	**	**	**
29801	ALKALINITY,WATR,DISS.,FIX END PT,LAB,AS CACO3,MG/L	05/22/96-05/22/96	1	78.	78.	78.	78.	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/74-08/25/76	10	22.	66.2	370.	0.5	13217.011	114.965	0.5	1.625	97.	346.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/22/74-08/25/76	10	1.341	1.108	2.568	-0.301	0.978	0.989	-0.301	0.151	1.979	2.523
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			12.812								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	01/17/76-06/28/95	86	6.	34.285	510.	0.	5534.333	74.393	0.5	0.5	37.25	90.3
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	01/17/76-06/28/95	86	0.778	0.72	2.708	-0.301	0.875	0.936	-0.301	-0.301	1.571	1.956
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			5.251								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/17/76-06/28/95	88	46.5	192.483	3400.	0.	205657.824	453.495	0.5	0.5	155.	446.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	01/17/76-06/28/95	88	1.667	1.317	3.531	-0.301	1.39	1.179	-0.301	-0.301	2.19	2.649
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			20.763								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/22/74-12/16/76	11	25.	105.273	540.	5.	29104.218	170.6	5.	11.	140.	494.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/22/74-12/16/76	11	1.398	1.535	2.732	0.699	0.465	0.682	0.699	1.041	2.146	2.684
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			34.299								
32226	CHLOROPHYLL B, PERIPHYTON, SPECTRO, MG/M2	03/19/75-07/24/75	2	0.15	0.15	0.3	0.	0.045	0.212	**	**	**	**
32228	CHLOROPHYLL A, PERIPHYTON, SPECTRO, MG/M2	03/19/75-07/24/75	2	1.3	1.3	2.4	0.2	2.42	1.556	**	**	**	**
34253	A-BHC-ALPHA DISSUG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
34653	P,P'-DDE DISSUG/L	05/22/96-05/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
38933	CHLORPYRIFOS,DISSOLVED UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39025	SIMAZINE,COULSON CONDUCTIVITY,WATER SAMPLE(UG/L)	08/25/76-05/26/78	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	02/22/82-02/22/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39046	SIMAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/25/87-08/26/96	47	146.	155.957	428.	73.	5180.737	71.977	87.	111.	164.	282.6
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	02/22/82-02/22/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	6 ##	0.	0.033	0.1	0.	0.003	0.052	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/14/72-02/22/82	18 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39341	GAMMA-BHC(LINDANE),DISSOLVED,UG/L	02/24/72-05/22/96	6	0.	0.	0.002	0.	0.	0.001	**	**	**	**
39342	GAMMA-BHC(LINDANE),SUSPENDED,UG/L	04/14/72-12/07/73	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	02/24/72-11/15/79	6 ##	0.	0.033	0.1	0.	0.003	0.052	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	04/14/72-02/22/82	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	02/24/72-11/15/79	6 ##	0.	0.167	0.5	0.	0.067	0.258	**	**	**	**
39352	CHLORDANE(TECH MIX & METABS),DISSOLVED,UG/L	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39353	CHLORDANE(TECH MIX & METABS),SUSPENDED,UG/L	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	6 ##	0.	0.317	1.1	0.	0.25	0.5	**	**	**	**

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

Parameter Inventory for Station: ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	19 ##	0.	0.001	0.01	0.	0.	0.002	0.	0.	0.	0.
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	4	0.	0.003	0.01	0.	0.	0.005	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	6 ##	0.	0.483	1.6	0.	0.57	0.755	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	6 ##	0.	0.35	1.1	0.	0.295	0.543	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	19 ##	0.	0.001	0.01	0.	0.	0.002	0.	0.	0.	0.
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-05/22/96	6	0.	0.002	0.01	0.	0.	0.004	**	**	**	**
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	02/24/72-11/15/79	6 ##	0.	0.033	0.1	0.	0.003	0.052	**	**	**	**
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	02/22/82-02/22/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	6 ##	0.	0.033	0.1	0.	0.003	0.052	**	**	**	**
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	05/20/75-02/22/82	13 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	05/24/74-02/22/82	15 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	02/24/72-11/15/79	6 ##	0.	0.033	0.1	0.	0.003	0.052	**	**	**	**
39415	METOLACHLOR, WATER, DISSOLVED UG/L	05/22/96-05/22/96	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	19 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT SAMP (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT SAMP (UG/L)	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	02/24/72-11/15/79	6 ##	0.	0.033	0.1	0.	0.003	0.052	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	03/18/75-02/22/82	14 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	02/19/80-02/19/80	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	04/14/72-02/22/82	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39517	PCBS IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39518	PCBS IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	04/14/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	02/24/72-11/15/79	4 ##	0.5	0.5	1.	0.	0.333	0.577	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	05/16/72-02/22/82	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39532	MALATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-05/22/96	6	0.	0.	0.003	0.	0.	0.001	**	**	**	**
39533	MALATHION IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	05/16/72-12/07/73	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	05/16/72-02/22/82	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-05/22/96	6	0.	0.	0.002	0.	0.	0.001	**	**	**	**
39543	PARATHION IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	05/16/72-12/07/73	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	05/16/72-02/22/82	17 ##	0.	0.001	0.01	0.	0.	0.002	0.	0.	0.	0.002
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39572	DIAZINON IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-05/22/96	6	0.006	0.005	0.01	0.	0.	0.005	**	**	**	**
39573	DIAZINON IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	05/16/72-12/07/73	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	05/16/72-02/22/82	17 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39602	METHYL PARATHION IN FILT. FRAC. WATER SAMP.(UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39603	METHYL PARATHION IN SUSP. FRAC. WATER SAMP.(UG/L)	05/16/72-12/07/73	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	02/24/76-05/26/78	6 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39632	ATRAZINE DISSOLVED IN WATER PPB	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	02/24/72-02/22/82	14 ##	0.	0.001	0.02	0.	0.	0.005	0.	0.	0.	0.01
39731	2,4-D IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39733	2,4-D IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	02/24/72-02/22/82	14 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39741	2,4,5-T IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39742	2,4,5-T IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39743	2,4,5-T IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39755	MIREX, TOTAL (UG/L)	02/22/82-02/22/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	02/24/72-02/22/82	14 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39761	SILVEX IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/25/76-05/25/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39763	SILVEX IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	02/24/72-12/07/73	5	0.	0.	0.	0.	0.	0.	**	**	**	**
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	05/20/75-02/22/82	13 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	05/20/75-02/22/82	13 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	05/20/75-11/15/79	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
46342	ALACHLOR (LASSO), WATER, DISSOLVED UG/L	05/22/96-05/22/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
49260	ACETOCHLOR, RECOVERABLE, WATER, FILTERED UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	10/22/74-09/24/81	22	4000.	6482.273	53000.	130.	116319732.684	10785.163	916.	1575.	6550.	9910.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/01/35-05/22/96	1110	1020.	958.471	2350.	188.	180988.392	425.427	334.1	587.	1270.	1469.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/01/28-09/03/85	790	1100.	1012.528	2500.	191.	190923.134	436.948	366.3	673.	1310.	1480.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/01/28-02/24/83	1598	10000.	11376.236	38300.	2770.	19965639.61	4468.293	7599.	8427.5	12600.	17500.1
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/01/28-02/24/83	1599	1.51	1.39	3.4	0.27	0.347	0.589	0.48	0.93	1.8	2.03
70326	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .002MM	09/21/52-09/17/64	2	1.	1.	2.	0.	2.	1.414	**	**	**	**
70327	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .004MM	09/21/51-09/17/64	18	8.5	11.111	55.	0.	164.928	12.842	0.9	3.75	14.75	27.1
70328	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .008MM	09/21/52-09/21/52	1	13.	13.	13.	13.	0.	0.	**	**	**	**
70329	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .016MM	09/21/51-09/17/64	18	53.5	61.222	95.	31.	560.065	23.666	31.9	41.	83.5	94.1
70330	SUS SED FALL DIA(NATIVEWATER)% FINER THAN .031MM	09/21/52-08/20/58	5	60.	69.4	99.	47.	620.3	24.906	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/13/51-06/28/95	269	94.	86.056	100.	32.	272.016	16.493	61.	76.	99.	100.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	05/13/51-10/11/66	143	97.	91.531	100.	48.	121.251	11.011	76.	86.	99.	100.
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	05/13/51-09/17/64	108	99.	97.509	100.	67.	22.215	4.713	94.9	97.	100.	100.
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	05/13/51-07/01/62	65	100.	99.492	100.	89.	3.348	1.83	99.	100.	100.	100.
70335	SUSPENDED SED SIEVE DIAMETER,% FINER THAN 1.00MM	05/27/54-04/18/62	6	100.	99.833	100.	99.	0.167	0.408	**	**	**	**
70337	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	04/25/51-08/28/84	227	38.	36.877	83.	4.	229.569	15.152	17.	25.	47.	56.
70338	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	04/25/51-08/28/84	387	51.	47.599	87.	4.	366.256	19.138	20.	30.	63.	70.
70339	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	04/25/51-06/18/60	31	69.	56.935	91.	15.	578.929	24.061	21.4	32.	76.	84.6
70340	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	04/25/51-08/28/84	357	77.	68.947	100.	14.	569.315	23.86	32.	47.	90.	94.2
70341	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	04/25/51-06/18/60	123	93.	78.22	100.	21.	557.353	23.608	40.	55.	97.	99.
70342	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .062MM	04/25/51-09/26/84	224	93.	86.746	100.	24.	241.751	15.548	60.	78.25	99.	100.
70343	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .125MM	04/25/51-09/26/84	183	97.	92.675	100.	0.6	135.008	11.619	81.	89.	99.	100.
70344	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .250MM	04/25/51-09/26/84	148	100.	98.236	100.	67.	17.556	4.19	96.	98.	100.	100.
70345	SUS SED FALL DIA(DISTLD WATER)%FINER THAN .500MM	05/18/58-04/25/84	69	100.	99.681	100.	90.	1.779	1.334	99.	100.	100.	100.
70346	SUS SED FALL DIA(DISTLD WATER)%FINER THAN 1.00MM	05/17/64-04/25/84	9	100.	90.	100.	10.	900.	30.	10.	100.	100.	100.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/21/90-06/22/92	12	0.015	0.028	0.14	0.005	0.001	0.038	0.005	0.005	0.03	0.113
70950	BIOMASS-CHLOROPHYLL RATIO, PERIPHYTON (UNITS)	05/03/79-04/24/80	3	41.3	3346.767	9999.	0.	33189582.663	5761.04	**	**	**	**
70957	CHLOROPHYLL-A,PERIPHYTON UG/L,CHROMO-FLUORO	06/29/78-04/24/80	4	0.275	23.763	94.5	0.	2223.959	47.159	**	**	**	**
70958	CHLOROPHYLL-B,PERIPHYTON UG/L,CHROMO-FLUORO	06/29/78-04/24/80	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/03/79-01/26/81	13	0.1	0.191	0.5	0.01	0.029	0.17	0.026	0.06	0.3	0.5
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/15/79-09/03/85	39	0.12	0.165	0.88	0.	0.027	0.165	0.04	0.08	0.18	0.37
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/11/47-05/30/68	303	8.	7.893	19.	0.6	16.223	4.028	2.44	4.5	11.	13.
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/01/28-01/19/71	1221	9.	9.748	40.	0.4	42.049	6.485	2.3	4.75	13.	18.
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/11/38-09/14/48	3	160.	123.333	160.	50.	4033.333	63.509	**	**	**	**
71870	BROMIDE (MG/L AS BR)	10/01/63-09/20/65	52	0.365	0.373	0.68	0.16	0.012	0.108	0.233	0.29	0.44	0.52
71885	IRON (UG/L AS FE)	10/01/28-08/07/62	307	80.	97.687	760.	10.	8174.699	90.414	30.	50.	120.	182.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/03/79-05/20/85	35	0.31	0.631	6.1	0.03	1.219	1.104	0.078	0.15	0.64	1.28
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/22/74-09/24/81	42	7.35	8.029	19.	3.8	8.414	2.901	5.09	5.875	9.625	11.7
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/22/74-07/22/91	63 ##	0.05	0.138	2.5	0.	0.113	0.337	0.05	0.05	0.05	0.25
71895	MERCURY, SUSPENDED (UG/L AS HG)	01/22/75-08/25/82	17	0.	0.088	0.7	0.	0.032	0.18	0.	0.	0.1	0.38
71900	MERCURY, TOTAL (UG/L AS HG)	01/22/75-07/22/91	24 ##	0.05	0.142	0.8	0.	0.03	0.172	0.025	0.05	0.2	0.325
72008	DEPTH, TOTAL OF WELL (FT BELOW LAND SURFACE DATUM)	08/28/84-08/28/84	1	10500.	10500.	10500.	10500.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	04/25/51-09/22/95	567	1080.	3807.065	68100.	6.	47848496.125	6917.261	97.4	300.	4020.	11200.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	04/25/51-07/29/82	397	30900.	88619.904	1350000.	57.26	734196694.769	163505.953	1042.	4255.	102500.	247200.
80158	BED MATERIAL FALL DIAMETER, % FINER THAN .062MM	03/12/73-03/12/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
80159	BED MATERIAL FALL DIAMETER, % FINER THAN .125MM	03/12/73-03/12/73	1	25.	25.	25.	25.	0.	0.	**	**	**	**
80160	BED MATERIAL FALL DIAMETER, % FINER THAN .250MM	04/14/72-03/12/73	2	13.5	13.5	26.	1.	312.5	17.678	**	**	**	**
80161	BED MATERIAL FALL DIAMETER, % FINER THAN .500MM	04/14/72-03/12/73	2	15.	15.	26.	4.	242.	15.556	**	**	**	**
80166	BED MATERIAL SIEVE DIAMETER,% FINER THAN .250MM	09/20/76-09/20/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
80167	BED MATERIAL SIEVE DIAMETER,% FINER THAN .500MM	09/20/76-09/20/76	1	4.	4.	4.	4.	0.	0.	**	**	**	**
80168	BED MATERIAL SIEVE DIAMETER,% FINER THAN 1.00MM	04/14/72-09/20/76	3	6.	12.667	26.	6.	133.333	11.547	**	**	**	**

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

Parameter Inventory for Station: ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
80169	BED MATERIAL SIEVE DIAMETER,% FINER THAN 2.00MM	04/14/72-09/20/76	3	8.	13.667	26.	7.	114.333	10.693	**	**	**	**
80170	BED MATERIAL SIEVE DIAMETER,% FINER THAN 4.00MM	04/14/72-09/20/76	3	9.	15.	27.	9.	108.	10.392	**	**	**	**
80171	BED MATERIAL SIEVE DIAMETER,% FINER THAN 8.00MM	04/14/72-09/20/76	3	26.	22.333	28.	13.	66.333	8.145	**	**	**	**
80172	BED MATERIAL SIEVE DIAMETER,% FINER THAN 16.0MM	04/14/72-09/20/76	3	28.	31.667	41.	26.	66.333	8.145	**	**	**	**
80173	BED MATERIAL SIEVE DIAMETER,% FINER THAN 32.0MM	04/14/72-09/20/76	3	59.	64.	82.	51.	259.	16.093	**	**	**	**
80174	BED MATERIAL SIEVE DIAMETER,% FINER THAN 64.0MM	04/14/72-03/12/73	2	87.5	87.5	100.	75.	312.5	17.678	**	**	**	**
80175	BED MATERIAL SIEVE DIAMETER,% FINER THAN 128 MM	03/12/73-03/12/73	1	100.	100.	100.	100.	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/26/81-06/22/81	5	4.4	4.06	4.7	3.	0.538	0.733	**	**	**	**
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	02/22/82-02/22/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82630	METRIBUZIN (SENCOR), WATER, DISSOLVED UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82660	DIETHYLANILINE, 2, 6-,0.7UM FILT,TOT RECV,WTR UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82661	TRIFLURALINE, 0.7UM FILT,TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82663	ETHALFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82664	PHORATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82665	TERBACIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
82666	LINURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82667	METHYL PARATHION,0.7 UM FILT,TOT RECV,WATER UG/L	05/22/96-05/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
82668	EPTC, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82669	PEBULATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82670	TEBUTHIURON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82671	MOLINATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82672	ETHOPROP, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82673	BENFLURALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82674	CARBOFURAN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82675	TERBUFOS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82676	PRONAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82677	DISULFOTON, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82678	TRIALLATE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82679	PROPANIL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82680	CARBARYL, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82681	THIOBENCARB, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
82683	PENDIMETHALIN, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82684	NAPROPAMIDE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82685	PROPARGITE, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82687	PERMETHRIN, CIS, 0.7 UM FILT, TOT RECV, WATER UG/L	05/22/96-05/22/96	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0177

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	18	8	0.44	2	1	0.50	14	6	0.43	2	1	0.50			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	98	56	0.57	16	10	0.63	45	17	0.38	25	23	0.92	12	6	0.50
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	181	0	0.00	40	0	0.00	80	0	0.00	41	0	0.00	20	0	0.00
00400	PH	Fresh Chronic	9.	1046	0	0.00	234	0	0.00	509	0	0.00	181	0	0.00	122	0	0.00
		Other-Lo Lim.	6.5	1046	0	0.00	234	0	0.00	509	0	0.00	181	0	0.00	122	0	0.00
00403	PH, LAB	Fresh Chronic	9.	112	0	0.00	27	0	0.00	49	0	0.00	24	0	0.00	12	0	0.00
		Other-Lo Lim.	6.5	112	0	0.00	27	0	0.00	49	0	0.00	24	0	0.00	12	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	51	1	0.02	10	1	0.10	20	0	0.00	13	0	0.00	8	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	12	0	0.00	1	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	119	0	0.00	35	0	0.00	44	0	0.00	24	0	0.00	16	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	58	0	0.00	7	0	0.00	33	0	0.00	13	0	0.00	5	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	161	0	0.00	43	0	0.00	73	0	0.00	28	0	0.00	17	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1514	1	0.00	350	0	0.00	727	1	0.00	245	0	0.00	192	0	0.00
		Drinking Water	250.	1514	101	0.07	350	15	0.04	727	86	0.12	245	0	0.00	192	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1509	1136	0.75	348	328	0.94	725	683	0.94	245	84	0.34	191	41	0.21
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	326	0	0.00	79	0	0.00	156	0	0.00	56	0	0.00	35	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	64	0	0.00	13	0	0.00	32	0	0.00	15	0	0.00	4	0	0.00
		Drinking Water	50.	64	0	0.00	13	0	0.00	32	0	0.00	15	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: ARCH0177

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	17	0	0.00	4	0	0.00	10	0	0.00	3	0	0.00			
		Drinking Water	50.	17	0	0.00	4	0	0.00	10	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	26	0	0.00	6	0	0.00	15	0	0.00	5	0	0.00			
		Drinking Water	50.	26	0	0.00	6	0	0.00	15	0	0.00	5	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	65	0	0.00	10	0	0.00	35	0	0.00	16	0	0.00	4	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	16	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	16	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	40	0	0.00	7	0	0.00	19	0	0.00	10	0	0.00	4	0	0.00
		Drinking Water	4.	40	0	0.00	7	0	0.00	19	0	0.00	10	0	0.00	4	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	61	1	0.02	11	0	0.00	31	1	0.03	15	0	0.00	4	0	0.00
		Drinking Water	5.	61	0	0.00	11	0	0.00	31	0	0.00	15	0	0.00	4	0	0.00
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	10 &	5	0.50				8	4	0.50	2	1	0.50			
		Drinking Water	5.	10 &	4	0.40				8	4	0.50	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	16 &	4	0.25	3	0	0.00	9	2	0.22	4	2	0.50			
		Drinking Water	5.	16 &	2	0.13	3	0	0.00	9	2	0.22	4	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	61	0	0.00	11	0	0.00	31	0	0.00	15	0	0.00	4	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	18	0	0.00	3	0	0.00	11	0	0.00	4	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	21	0	0.00	4	0	0.00	12	0	0.00	5	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	61	0	0.00	11	0	0.00	31	0	0.00	15	0	0.00	4	0	0.00
		Drinking Water	1300.	61	0	0.00	11	0	0.00	31	0	0.00	15	0	0.00	4	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	20	5	0.25	4	1	0.25	12	2	0.17	4	2	0.50			
		Drinking Water	1300.	20	1	0.05	4	0	0.00	12	1	0.08	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	21	7	0.33	4	2	0.50	12	3	0.25	5	2	0.40			
		Drinking Water	1300.	21	1	0.05	4	0	0.00	12	1	0.08	5	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	61	0	0.00	11	0	0.00	31	0	0.00	15	0	0.00	4	0	0.00
		Drinking Water	15.	61	0	0.00	11	0	0.00	31	0	0.00	15	0	0.00	4	0	0.00
01050	LEAD, SUSPENDED	Fresh Acute	82.	17	1	0.06	3	0	0.00	11	1	0.09	3	0	0.00			
		Drinking Water	15.	13 &	6	0.46	2	1	0.50	8	3	0.38	3	2	0.67			
01051	LEAD, TOTAL	Fresh Acute	82.	15 &	0	0.00	3	0	0.00	8	0	0.00	4	0	0.00			
		Drinking Water	15.	15 &	8	0.53	3	2	0.67	8	3	0.38	4	3	0.75			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	59	0	0.00	10	0	0.00	31	0	0.00	14	0	0.00	4	0	0.00
		Drinking Water	100.	59	0	0.00	10	0	0.00	31	0	0.00	14	0	0.00	4	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	100.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
		Drinking Water	100.	10	0	0.00	3	0	0.00	5	0	0.00	2	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	65	0	0.00	10	0	0.00	35	0	0.00	16	0	0.00	4	0	0.00
		Drinking Water	100.	65	0	0.00	10	0	0.00	35	0	0.00	16	0	0.00	4	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	11 &	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	100.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	18 &	0	0.00	4	0	0.00	9	0	0.00	4	0	0.00	1	0	0.00
		Drinking Water	100.	19	0	0.00	4	0	0.00	10	0	0.00	4	0	0.00	1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	61	4	0.07	11	0	0.00	31	1	0.03	15	3	0.20	4	0	0.00
		Drinking Water	5000.	61	0	0.00	11	0	0.00	31	0	0.00	15	0	0.00	4	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	20	3	0.15	3	1	0.33	12	1	0.08	5	1	0.20			
		Drinking Water	5000.	20	0	0.00	3	0	0.00	12	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	21	4	0.19	4	1	0.25	12	1	0.08	5	2	0.40			
		Drinking Water	5000.	21	0	0.00	4	0	0.00	12	0	0.00	5	0	0.00			
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00							1	0	0.00			
		Drinking Water	6.	1	0	0.00							1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	70	0	0.00	11	0	0.00	38	0	0.00	17	0	0.00	4	0	0.00
		Drinking Water	50.	70	0	0.00	11	0	0.00	38	0	0.00	17	0	0.00	4	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	21	0	0.00	4	0	0.00	12	0	0.00	5	0	0.00			
		Drinking Water	50.	21	0	0.00	4	0	0.00	12	0	0.00	5	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	26	0	0.00	6	0	0.00	15	0	0.00	5	0	0.00			
		Drinking Water	50.	26	0	0.00	6	0	0.00	15	0	0.00	5	0	0.00			
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00							1	0	0.00			
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0177

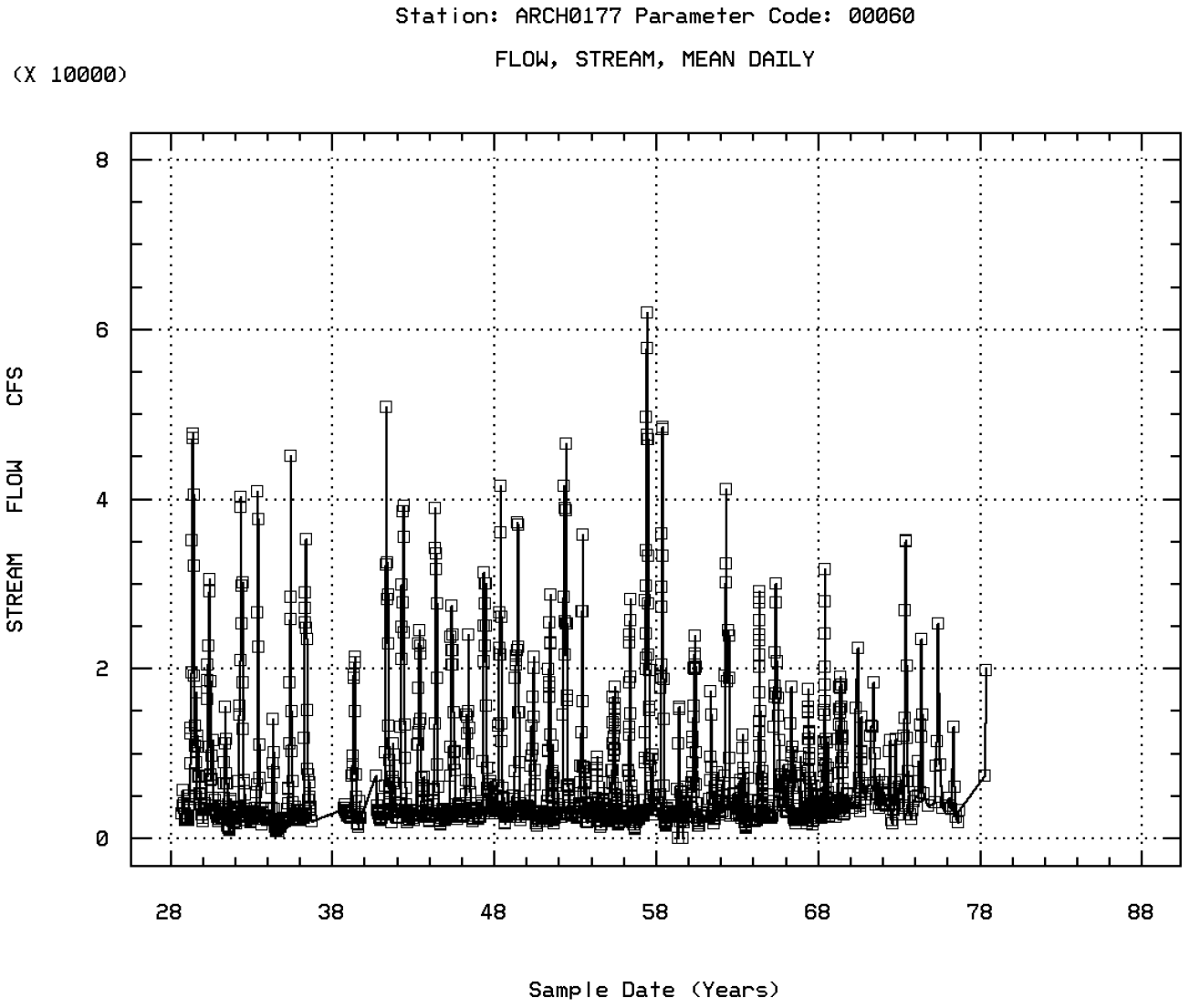
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	1	0.10	2	0	0.00	7	0	0.00	1	1	1.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	86	3	0.03	12	0	0.00	44	0	0.00	18	2	0.11	12	1	0.08
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	1	0	0.00							1	0	0.00			
39025	SIMAZINE, COULSON CONDUCTIVITY WATER SAM	Drinking Water	4.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP.	Fresh Acute	3.	5	0	0.00				2	0	0.00	3	0	0.00			
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	Fresh Acute	3.	4	0	0.00				1	0	0.00	3	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	18	0	0.00	3	0	0.00	9	0	0.00	6	0	0.00			
		Drinking Water	0.2	18	0	0.00	3	0	0.00	9	0	0.00	6	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	6	0	0.00				2	0	0.00	4	0	0.00			
		Drinking Water	0.2	6	0	0.00				2	0	0.00	4	0	0.00			
39342	GAMMA-BHC(LINDANE), SUSPENDED	Fresh Acute	2.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	0.2	3	0	0.00				1	0	0.00	2	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
		Drinking Water	2.	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED	Fresh Acute	2.4	5	0	0.00				2	0	0.00	3	0	0.00			
		Drinking Water	2.	5	0	0.00				2	0	0.00	3	0	0.00			
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED	Fresh Acute	2.4	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	2.	4	0	0.00				1	0	0.00	3	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39361	DDD IN FILT. FRAC. OF WATER SMAPLE	Fresh Acute	0.6	5	0	0.00				2	0	0.00	3	0	0.00			
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	0.6	4	0	0.00				1	0	0.00	3	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39366	DDE IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	1050.	5	0	0.00				2	0	0.00	3	0	0.00			
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	1050.	4	0	0.00				1	0	0.00	3	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39371	DDT IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	1.1	5	0	0.00				2	0	0.00	3	0	0.00			
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	1.1	4	0	0.00				1	0	0.00	3	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	6	0	0.00				2	0	0.00	4	0	0.00			
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	4	0	0.00				1	0	0.00	3	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
		Drinking Water	2.	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.18	5	0	0.00				2	0	0.00	3	0	0.00			
		Drinking Water	2.	5	0	0.00				2	0	0.00	3	0	0.00			
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	0.18	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	2.	4	0	0.00				1	0	0.00	3	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	15	0	0.00	3	0	0.00	8	0	0.00	4	0	0.00			
		Drinking Water	3.	15	0	0.00	3	0	0.00	8	0	0.00	4	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
		Drinking Water	0.4	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPL	Fresh Acute	0.52	5	0	0.00				2	0	0.00	3	0	0.00			
		Drinking Water	0.4	5	0	0.00				2	0	0.00	3	0	0.00			
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPL	Fresh Acute	0.52	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	0.4	4	0	0.00				1	0	0.00	3	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
		Drinking Water	0.2	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER	Fresh Acute	0.52	5	0	0.00				2	0	0.00	3	0	0.00			
		Drinking Water	0.2	5	0	0.00				2	0	0.00	3	0	0.00			
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER	Fresh Acute	0.52	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	0.2	4	0	0.00				1	0	0.00	3	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	14	0	0.00	3	0	0.00	8	0	0.00	3	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	17	0	0.00	3	0	0.00	8	0	0.00	6	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	6	0	0.00				2	0	0.00	4	0	0.00			
39543	PARATHION IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	3	0	0.00				1	0	0.00	2	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			

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

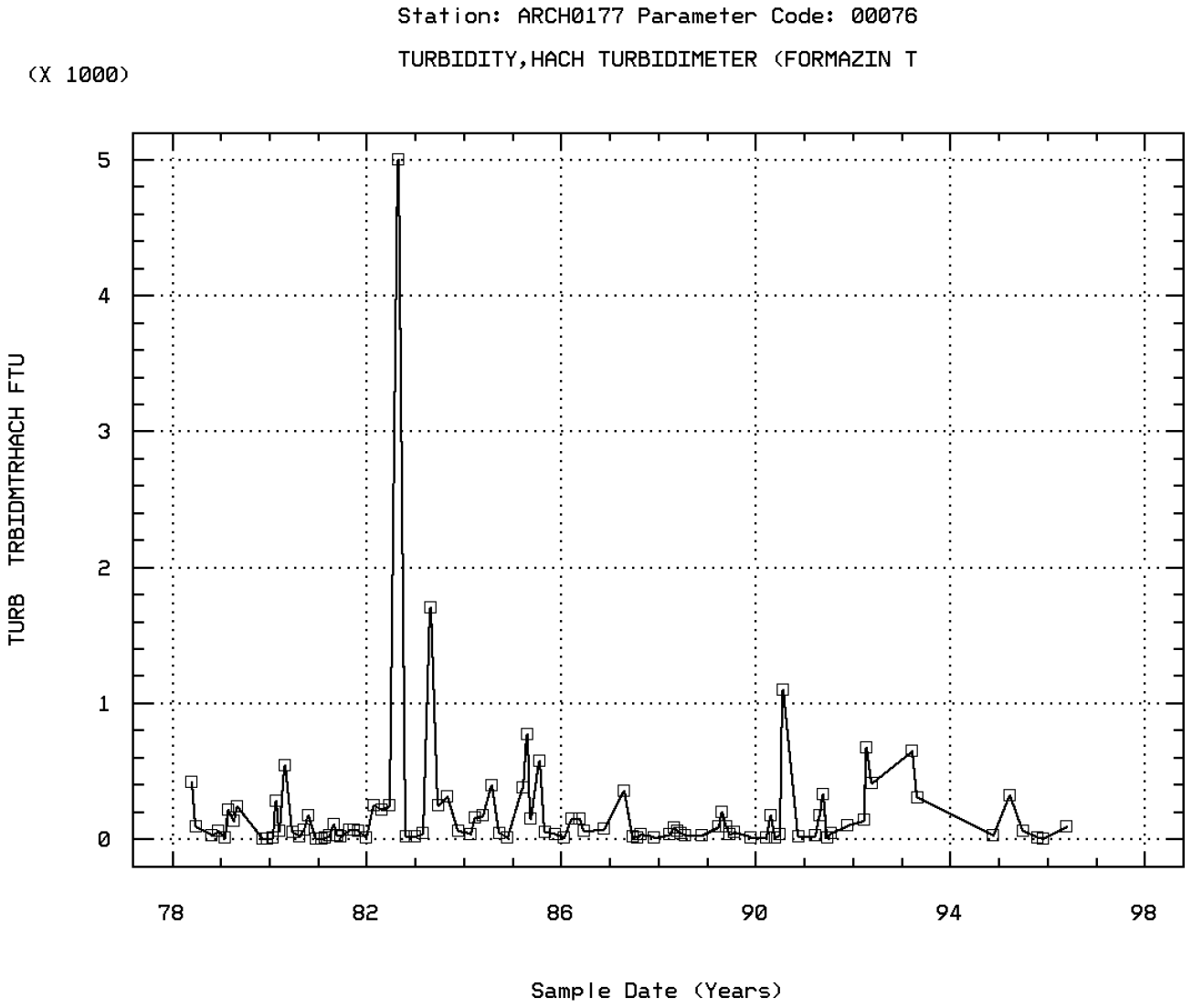
EPA Water Quality Criteria Analysis for Station: ARCH0177

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	14	0	0.00	3	0	0.00	6	0	0.00	5	0	0.00			
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	4	0	0.00				2	0	0.00	2	0	0.00			
39733	2,4-D IN SUSP. FRAC. OF WATER SAMPLE	Drinking Water	70.	5	0	0.00				2	0	0.00	3	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	14	0	0.00	3	0	0.00	6	0	0.00	5	0	0.00			
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	4	0	0.00				2	0	0.00	2	0	0.00			
39763	SILVEX IN SUSP. FRAC. OF WATER SAMPLE	Drinking Water	50.	5	0	0.00				2	0	0.00	3	0	0.00			
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	303	0	0.00	79	0	0.00	113	0	0.00	65	0	0.00	46	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1221	0	0.00	277	0	0.00	581	0	0.00	201	0	0.00	162	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	3	3	1.00	2	2	1.00	1	1	1.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	63	1	0.02	13	0	0.00	32	0	0.00	14	1	0.07	4	0	0.00
		Drinking Water	2.	63	1	0.02	13	0	0.00	32	0	0.00	14	1	0.07	4	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	17	0	0.00	4	0	0.00	9	0	0.00	4	0	0.00			
		Drinking Water	2.	17	0	0.00	4	0	0.00	9	0	0.00	4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	24	0	0.00	6	0	0.00	13	0	0.00	5	0	0.00			
		Drinking Water	2.	24	0	0.00	6	0	0.00	13	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



COLORADO RIVER NEAR CISCO UTAH



COLORADO RIVER NEAR CISCO UTAH

Annual Analysis for 1928 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	10	3215.	3290.	5690.	2100.	1273955.556	1128.696	2100.	2100.	3860.	5525.

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

Annual Analysis for 1929 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	43	7310.	12394.884	47700.	2090.	157833387.486	12563.176	2370.	4000.	13200.	38340.

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

Annual Analysis for 1930 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	41	3800.	7672.683	30500.	1920.	55157015.122	7426.777	2428.	3115.	8645.	20040.

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

Annual Analysis for 1931 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	46	2460.	3829.	15400.	974.	9326599.778	3053.948	1429.	2172.5	4710.	8003.

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

Annual Analysis for 1932 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	38	3109.	8805.	40200.	1690.	117357392.486	10833.162	1943.1	2384.75	13225.	29740.

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

Annual Analysis for 1933 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	39	2580.	6065.359	40880.	1539.	87155892.605	9335.732	2180.	2332.	3487.	22530.

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

Annual Analysis for 1934 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	43	2120.	2745.465	14000.	826.	7049794.112	2655.145	1034.	1380.	2310.	7014.

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

Annual Analysis for 1935 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	37	3110.	6623.243	45000.	1910.	82797055.856	9099.289	2032.	2200.	5805.	19800.

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

Annual Analysis for 1936 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	30	3125.	8908.667	35200.	2030.	101065867.126	10053.152	2293.	2350.	12625.	26930.

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

Annual Analysis for 1938 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	10	3232.	3190.3	3972.	2599.	190700.233	436.692	2599.	2803.	3512.5	3931.6

** - 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 1939 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	37	2655.	6105.	21300.	1282.	39141093.944	6256.284	1571.	2403.	8151.	19320.

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

Annual Analysis for 1940 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	9	3049.	3458.778	7406.	2309.	2387886.194	1545.279	2309.	2618.5	3563.	7406.

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

Annual Analysis for 1941 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	36	5297.5	9743.361	50840.	1858.	127532764.066	11293.041	2304.2	3011.75	10036.25	29727.

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

Annual Analysis for 1942 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	38	3203.5	9423.684	39200.	1804.	132678324.06	11518.608	2321.9	2622.	13120.	30439.

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

Annual Analysis for 1943 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	48	3247.	6457.438	24500.	2077.	38825977.868	6231.049	2563.	2600.	7181.25	18044.

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

Annual Analysis for 1944 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	42	2788.5	8430.738	38890.	1606.	130740346.003	11434.174	1639.	2130.25	6706.75	32966.

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

Annual Analysis for 1945 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	44	3385.	7533.205	27420.	2216.	56509533.469	7517.282	2405.	2617.	10159.	22086.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	45	3345.	5483.222	23910.	1954.	22764430.222	4771.208	2568.	2691.5	5907.5	14400.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	44	4871.	9310.205	31320.	2220.	87337464.26	9345.452	2534.	3282.5	9070.	27690.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	9	4201.	4526.778	6679.	2952.	1705258.194	1305.855	2952.	3383.	5735.5	6679.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	58	3600.5	9525.879	41520.	1774.	123372290.845	11107.308	2452.	2814.25	13327.5	26073.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	27	4785.	10321.037	41520.	1774.	125375461.575	11197.118	2340.2	3111.	13500.	28522.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	51	3732.	8407.314	37200.	2092.	73662515.9	8582.687	2525.2	3173.	14800.	21384.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	46	3138.5	5542.935	21350.	1474.	27995547.04	5291.082	1932.	2183.	6308.	15004.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	64	4947.	7026.266	28700.	1733.	40132533.69	6335.024	2394.	2718.25	7580.5	18070.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	2	3080.	3080.	3080.	3080.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	59	4833.	11184.017	46530.	2492.	154910410.362	12446.301	2737.	3080.	16760.	38600.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	4	3305.	7822.5	21600.	3080.	84409225.	9187.449	**	**	**	**

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

Annual Analysis for 1953 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	7	12.2	16.357	23.9	10.	41.156	6.415	**	**	**	**
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	93	3437.	6086.957	35700.	1879.	44385426.194	6662.239	2373.	2851.	6372.	14608.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	15	16.1	16.26	18.9	11.7	3.828	1.957	13.32	14.4	17.8	18.54
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	94	2663.	3171.181	9627.	1282.	1907929.634	1381.278	2038.	2525.	3371.	4492.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	30	25.	22.503	26.7	12.8	20.385	4.515	14.01	19.125	26.1	26.7
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	128	2965.	4321.414	17800.	1541.	12790967.394	3576.446	2132.	2384.	4202.5	10356.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	22	20.	17.714	22.8	7.2	23.121	4.808	8.48	15.175	20.875	22.62
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	113	2592.	4457.929	28200.	1000.	25172786.406	5017.249	2142.8	2356.	4364.5	7916.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	12	13.35	13.833	19.4	10.6	8.879	2.98	10.75	11.25	14.85	19.4
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	73	3840.	11478.233	61900.	2619.	216566271.764	14716.191	2673.	2706.5	15030.	33660.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	22	17.5	17.627	25.	7.8	20.055	4.478	10.99	14.275	21.1	23.59
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	43	3188.	9754.349	48400.	1510.	163371983.661	12781.705	1787.	2350.	17700.	31802.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	19	19.4	18.058	27.8	0.6	59.698	7.726	6.7	9.4	24.4	26.7
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	38	2940.	3964.921	15523.	65.	10755587.048	3279.571	1946.4	2555.	4123.75	6585.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	3	4990.	5113.333	6080.	4270.	830433.333	911.281	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	18	13.85	15.056	22.8	7.8	19.644	4.432	9.78	12.65	18.725	22.26
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	34	5275.	8163.794	23900.	1413.	51131040.896	7150.597	1670.	2488.75	12530.	20750.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	18	7215.	9903.889	23900.	1420.	68881142.81	8299.466	1636.	2147.5	20125.	21920.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	26	18.05	18.954	25.6	10.6	16.915	4.113	11.72	17.2	22.8	24.05
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	30	4434.	5113.433	17240.	1674.	12673020.392	3559.919	2237.	2611.75	5768.	9468.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	26	4445.	7117.692	21100.	1760.	34550626.462	5877.978	2086.	2730.	11300.	19070.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	16	15.6	15.113	21.1	2.8	18.915	4.349	9.03	12.925	18.3	20.75
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	25	5290.	11989.52	41100.	2607.	125283118.26	11192.994	2921.2	3993.	18970.	31006.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	15	22100.	18207.333	41100.	3290.	178282535.238	13352.248	3704.	4420.	26000.	41100.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	18	20.85	19.078	25.6	1.7	39.631	6.295	9.71	16.1	23.575	25.06
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	42	3027.	3783.929	12200.	1240.	6088616.556	2467.512	1565.	2186.	4501.	7423.4

** - 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 1964 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	26	20.25	19.181	27.2	11.1	22.254	4.717	13.41	15.	23.3	25.09
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	52	4340.	8211.712	29100.	2008.	64965953.111	8060.146	2155.9	2955.	10562.25	23775.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	3	11.7	10.367	12.2	7.2	7.583	2.754	**	**	**	**
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	34	6010.	9823.618	29940.	2408.	57117110.001	7557.586	2617.	4257.75	16527.5	21400.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	16	14.45	13.019	28.9	1.1	78.727	8.873	1.1	5.425	18.75	27.71
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	51	2986.	4753.353	17800.	1772.	11255653.753	3354.945	2232.	2506.	6584.	9664.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	15	16.7	14.967	24.4	1.	50.622	7.115	3.76	9.4	20.	24.4
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	57	4107.	5659.772	17520.	1620.	16481686.679	4059.764	2375.	2634.5	7083.	12436.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	12	14.5	14.25	23.	3.	44.932	6.703	3.9	7.75	20.75	22.7
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	60	4245.	7037.533	31700.	2340.	40483819.168	6362.69	2756.6	3191.25	8475.25	15997.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	15	13.	11.4	25.	0.	61.971	7.872	0.6	2.	18.	22.6
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	47	4373.	7638.17	19000.	2510.	26857148.362	5182.388	2901.2	3760.	11900.	15862.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	23	17.	14.283	24.5	0.	59.564	7.718	2.5	6.	22.	23.
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	22	5285.	7222.273	22420.	3180.	22823904.113	4777.437	3660.	4180.	9472.5	14993.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	20	10.	10.825	23.	0.	65.165	8.072	0.	3.125	18.625	22.35
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	20	6515.	8487.	18380.	3580.	21620380.	4649.772	3952.	5162.5	12802.5	17871.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	27	11.	11.278	22.5	0.	56.526	7.518	0.	3.	17.	20.
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	24	4490.	5423.75	11700.	1760.	8318641.848	2884.206	2415.	3835.	5757.5	11510.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	22	11.5	11.727	22.	0.	49.351	7.025	0.75	7.	16.5	21.85
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	3	21.	18.5	23.	11.5	37.75	6.144	**	**	**	**
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	22	6795.	10483.182	35050.	2260.	102007175.108	10099.86	2260.	3497.5	12550.	32570.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	2	9265.	9265.	14200.	4330.	48708450.	6979.144	**	**	**	**

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

Annual Analysis for 1974 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	21	13.	13.214	23.	0.	46.339	6.807	0.8	9.5	18.25	23.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	12	25.5	16.042	32.	-14.5	258.203	16.069	2.75	-1.875	30.	-0.55
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	11	6640.	9397.273	23500.	3860.	36076021.818	6006.332	4068.	4950.	13400.	21720.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	9	4380.	5883.333	14600.	2040.	18975675.	4356.108	2040.	3135.	8600.	14600.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	10	9.75	11.05	21.5	0.	52.636	7.255	0.3	6.	17.375	21.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	4	-1.5	7.375	29.5	-9.	259.563	16.111	**	**	**	**
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	6	8620.	10283.333	25300.	3500.	62918186.667	7932.099	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	4	6405.	6552.5	9040.	4360.	5827425.	2414.006	**	**	**	**

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

Annual Analysis for 1976 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	17	9.	9.912	22.	0.	63.507	7.969	0.	1.75	17.5	22.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	4	4.	11.	28.	-1.	148.667	12.193	**	**	**	**
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	9	3500.	4684.444	13100.	1880.	11448602.778	3383.578	1880.	2845.	5415.	13100.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	17	3560.	4630.588	13100.	1880.	10095280.882	3177.307	2024.	2945.	4740.	12300.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	8	12.75	13.063	25.	1.	64.888	8.055	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	4	15.	12.125	20.5	-2.	96.896	9.844	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	8	2095.	2016.25	2530.	1450.	110369.643	332.219	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	10	9.75	8.9	17.5	0.	36.156	6.013	0.15	1.875	13.875	17.25
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	8	4.25	9.688	30.	-4.	143.353	11.973	**	**	**	**
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	2	13600.	13600.	19800.	7400.	76880000.	8768.124	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	10	5930.	8880.	21300.	2450.	56883711.111	7542.129	2450.	2727.5	17700.	21150.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	10	9.5	8.8	20.	0.	47.733	6.909	0.	2.25	14.875	19.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	6	0.5	1.667	16.	-9.5	89.767	9.475	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	10	5295.	10255.	33000.	3700.	97091450.	9853.499	3700.	4075.	17955.	31632.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	14	9.25	10.679	22.5	1.	39.254	6.265	2.	6.	16.625	20.75
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	9	12.	17.778	37.	3.5	146.569	12.107	3.5	8.	30.25	37.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	14	4840.	10437.857	24500.	3500.	72987864.286	8543.294	3575.	4167.5	20500.	23250.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	11	16.5	13.773	24.	0.	84.068	9.169	0.4	4.5	23.	23.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	10	24.	20.85	35.	0.5	137.281	11.717	1.3	8.5	30.875	34.85
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	11	3380.	3068.818	3840.	1910.	492143.364	701.529	1943.4	2410.	3750.	3832.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	11	6.5	10.364	22.5	0.	56.355	7.507	1.	5.5	16.5	22.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	7	10.5	11.843	23.5	-0.6	78.056	8.835	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	6	660.	661.	665.	660.	4.	2.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	11	6550.	8330.	18010.	4120.	22560100.	4749.747	4136.	4200.	10100.	17568.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	19	8.5	10.026	21.5	0.	49.013	7.001	2.	4.	15.	20.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	12	9.5	15.792	35.	-0.5	135.521	11.641	5.3	6.625	25.5	33.65
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	11	650.	643.	661.	557.	860.	29.326	573.6	640.	656.	660.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	17	6080.	15097.647	48700.	4210.	238175956.618	15432.95	4322.	5220.	18550.	48700.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	29	12.5	12.345	22.	0.	47.377	6.883	1.5	8.	18.5	21.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	11	13.5	14.091	32.5	0.	147.791	12.157	0.3	3.5	27.5	31.7

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

Annual Analysis for 1984 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	11	659.	657.091	661.	645.	26.691	5.166	645.8	658.	660.	660.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	19	10500.	17632.632	53100.	5770.	267187309.357	16345.865	5770.	6250.	17500.	53100.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	11	11.	12.	23.	1.	60.05	7.749	1.4	5.	20.5	22.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	11	17.	16.909	33.	-1.	151.191	12.296	3.	7.5	30.5	32.7
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	10	657.	656.	660.	650.	17.333	4.163	650.	650.75	660.	660.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	11	7660.	12941.818	30900.	4080.	99384356.364	9969.17	4132.	6380.	25800.	30040.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	28	12.5	11.375	16.5	1.5	10.197	3.193	6.95	12.5	12.5	12.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	9	15.	15.389	27.5	3.5	60.174	7.757	3.5	9.5	22.5	27.5
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	9	660.	659.111	661.	650.	11.861	3.444	650.	660.	660.5	661.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	28	20900.	17852.5	22170.	6000.	32460249.074	5697.39	6787.	16775.	20900.	20900.

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

Annual Analysis for 1987 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	20	15.	14.425	21.5	3.	29.797	5.459	3.75	12.	19.75	20.45
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	9	14.5	18.278	30.5	6.	90.132	9.494	6.	9.5	28.	30.5
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	9	660.	658.778	662.	650.	12.444	3.528	650.	658.5	660.	662.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	20	13935.	16265.5	28500.	3400.	139591878.684	11814.901	3400.	4517.5	28500.	28500.

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

Annual Analysis for 1988 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	9	18.	15.611	24.	2.5	47.861	6.918	2.5	10.5	21.5	24.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	9	22.5	23.111	33.	3.5	81.424	9.024	3.5	19.5	30.5	33.
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	9	660.	659.222	660.	655.	2.944	1.716	655.	659.	660.	660.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	9	2930.	4486.667	8270.	2630.	5899875.	2428.966	2630.	2725.	7275.	8270.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	9	18.	15.889	23.	3.	39.299	6.269	3.	12.	20.75	23.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	9	19.5	21.611	33.	3.	101.799	10.09	3.	14.75	31.25	33.
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	9	660.	658.	662.	650.	14.75	3.841	650.	655.	660.	662.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	9	3040.	4325.556	8790.	1970.	6088577.778	2467.504	1970.	2475.	6750.	8790.

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

Annual Analysis for 1990 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	10	13.	13.45	23.	4.	56.747	7.533	4.15	5.5	21.25	22.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	10	15.75	16.15	29.	4.	102.669	10.133	4.	4.75	26.25	28.8
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	10	657.5	656.7	664.	650.	19.344	4.398	650.	653.75	660.	663.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	10	2920.	2983.	4690.	1980.	520401.111	721.388	2012.	2637.5	3120.	4566.

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

Annual Analysis for 1991 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	11	14.5	14.818	23.	5.	36.914	6.076	5.6	8.	22.	22.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	11	19.	17.909	38.	4.	110.491	10.511	4.4	6.	25.	35.8
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	11	660.	657.273	670.	650.	37.018	6.084	650.	650.	660.	668.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	11	4490.	6977.273	17800.	2400.	33775201.818	5811.644	2400.	3290.	10870.	17800.

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	5	13.	14.6	21.	10.	19.3	4.393	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	5	16.5	17.1	24.	11.	39.3	6.269	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	5	658.	658.	660.	657.	1.5	1.225	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	5	5340.	6264.	13500.	2890.	18564930.	4308.704	**	**	**	**

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Annual Analysis for 1993 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	3	12.	11.333	12.	10.	1.333	1.155	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	3	17.	16.333	20.	12.	16.333	4.041	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	3	660.	659.667	660.	659.	0.333	0.577	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	3	17200.	23226.667	45700.	6780.	405932133.333	20147.758	**	**	**	**

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Annual Analysis for 1994 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	6	4.	4.	4.	4.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	1	650.	650.	650.	650.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	6	3170.	3170.	3170.	3170.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or 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 ARCH0177

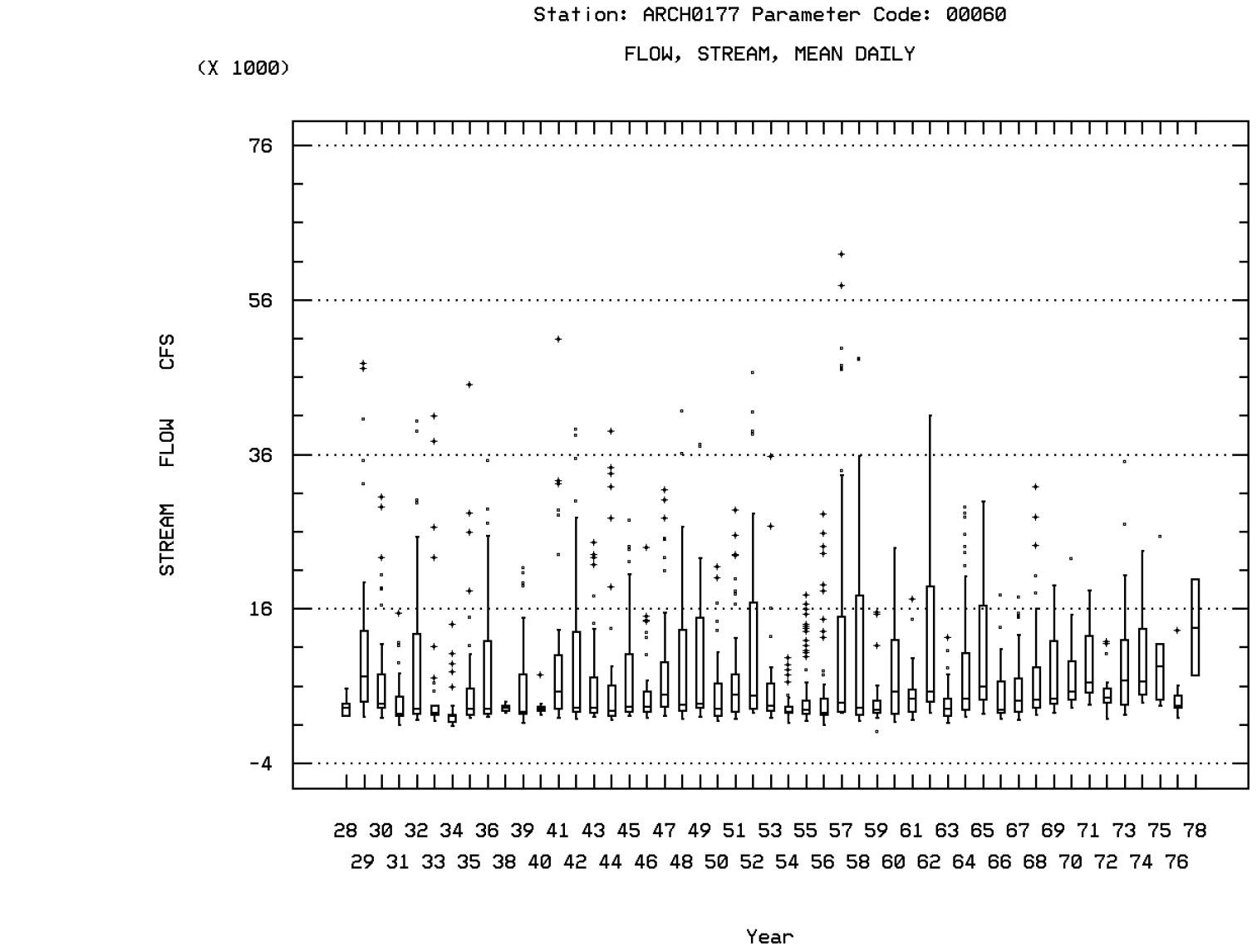
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	19	15.5	12.842	16.	5.	13.501	3.674	9.	9.	16.	16.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	4	13.5	14.5	22.	9.	31.	5.568	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	4	658.5	658.5	665.	652.	29.667	5.447	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	19	6840.	14958.947	34800.	4700.	192498609.942	13874.387	4700.	4700.	34800.	34800.

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

Annual Analysis for 1996 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	7	18.	16.429	23.	10.	27.952	5.287	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	7	27.	23.714	30.	10.5	58.321	7.637	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	7	655.	640.714	660.	559.	1312.571	36.229	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	7	12800.	11804.286	25700.	3090.	66167095.238	8134.316	**	**	**	**

** - 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



COLORADO RIVER NEAR CISCO UTAH

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	241	21.	20.432	28.9	10.6	14.5	3.808	15.	17.65	23.	25.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	41	28.	26.22	38.	11.	38.088	6.172	16.4	23.25	30.75	32.9
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	28	660.	654.286	660.	559.	359.323	18.956	650.	655.25	660.	660.
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	587	3180.	4093.54	21560.	69.	7871528.925	2805.625	1758.	2400.	5090.	7252.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	102	3560.	4812.578	18800.	1420.	12669772.484	3559.462	1985.	2632.5	5172.5	9060.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/24/78-05/22/96	16	58.	490.088	5000.	6.4	1530970.123	1237.324	15.92	34.75	370.	2270.

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

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	199	6.	5.737	14.	0.	15.125	3.889	0.	2.5	9.	11.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	83	-0.5	7.005	21.5	-14.5	54.406	7.376	2.5	5.	12.5	16.8
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	47	660.	655.468	670.	557.	243.907	15.618	649.8	654.	660.	662.
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	870	2805.5	3125.831	12000.	1310.	1306069.103	1142.834	2191.	2501.5	3437.	4260.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	132	4250.	4569.47	9180.	1740.	2788695.976	1669.939	2645.	3217.5	5770.	6840.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/24/78-05/22/96	45	23.	80.342	650.	2.5	16045.731	126.672	4.66	8.35	94.	262.

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

Seasonal Analysis for Season #3: 4/01 to 5/31 - Station ARCH0177

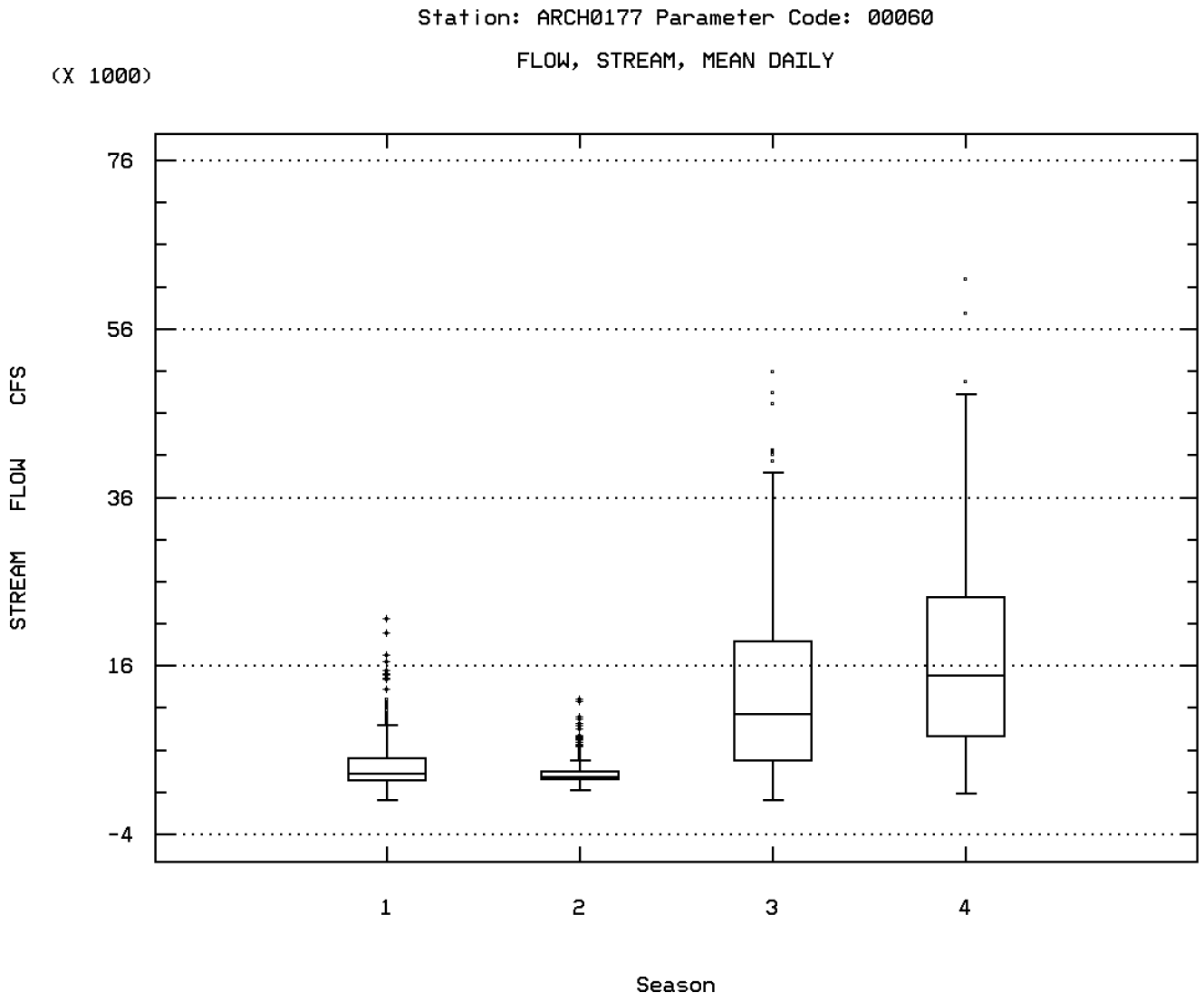
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	163	13.	13.444	20.5	6.5	7.075	2.66	10.	12.	15.	17.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	36	19.5	19.333	30.	4.5	49.329	7.023	7.85	14.875	25.5	28.6
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	26	657.5	655.808	665.	640.	31.762	5.636	648.5	650.75	660.	660.
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	356	10245.	13226.014	50840.	65.	98774812.42	9938.552	3734.	4837.25	18960.	27522.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	100	20900.	19280.78	53100.	1450.	108312020.84	10407.306	5495.	12275.	22000.	29580.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/24/78-05/22/96	25	170.	301.848	1700.	7.2	122567.561	350.097	45.8	100.	380.	710.

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

Seasonal Analysis for Season #4: 6/01 to 7/14 - Station ARCH0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/02/53-08/26/96	79	18.	18.173	24.4	13.5	6.862	2.62	15.	16.	20.	22.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/08/73-08/26/96	18	28.5	28.694	37.	21.	21.445	4.631	21.9	26.25	32.25	35.2
00025	BAROMETRIC PRESSURE (MM OF HG)	02/22/82-08/26/96	14	658.	657.143	660.	650.	11.67	3.416	650.	656.	660.	660.
00060p	FLOW, STREAM, MEAN DAILY CFS	10/01/28-05/22/78	275	14800.	16991.255	61900.	826.	133302719.877	11545.68	4653.4	7610.	24150.	33282.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/47-08/26/96	40	22000.	21847.375	48700.	2790.	159957057.676	12647.413	5875.5	10987.5	34800.	40235.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/24/78-05/22/96	12	47.5	75.675	250.	5.1	7161.14	84.624	8.07	22.5	82.5	250.

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



COLORADO RIVER NEAR CISCO UTAH

Station Inventory for Station: ARCH0178

NPS Station ID: ARCH0178
LAT/LON: 38.812110/-109.302360
Agency: 21UTAH
Date Created: 08/01/81
Location: COLO R AT DEWEY BRIDGE
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495849
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin: COLORADO RIVER BASIN
Elevation: 0
Water Body Id:
Minor Basin: UPPER COLORADO RIVER BASIN
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 31.40
On/Off RF1:
RF3 Index: 14030001036900.00
RF3 Mile Point: 0.00
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/76-12/08/99	209	11.8	11.725	25.8	0.	56.455	7.514	1.5	5.	17.95	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/23/90-10/24/91	6	15.	14.917	27.	5.	68.642	8.285	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	11/06/80-09/30/99	163	4720.	7374.442	35400.	1960.	46714695.643	6834.815	2732.	3440.	7600.	18180.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/28/76-12/08/99	214	73.1	326.612	10500.	0.4	1081589.102	1039.995	7.89	19.975	266.5	701.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	11/06/80-12/08/99	197	1015.	978.274	1936.	230.	131238.496	362.269	429.8	702.5	1224.5	1434.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/08/76-12/08/99	218	1065.	1069.069	2150.	310.	149005.926	386.013	469.	842.5	1320.	1581.
00191	HYDROGEN ION CONCENTRATION IN WHOLE WATER MG/L	01/02/85-12/08/99	121	0.	1.041	126.	0.	131.207	11.455	0.	0.	0.	0.
00300	OXYGEN, DISSOLVED MG/L	07/08/76-12/08/99	200	8.82	9.197	13.9	5.	3.783	1.945	6.92	7.8	10.7	12.09
00310	BOD, 5 DAY, 20 DEG C MG/L	07/08/76-11/30/77	15	2.	2.733	9.	1.	5.638	2.374	1.	1.	4.	7.2
00335	COD, .025N K2CR2O7 MG/L	07/08/76-06/21/90	142	11.	22.254	684.	5.	6016.435	77.566	5.	7.	17.	24.
00400	PH (STANDARD UNITS)	07/08/76-12/08/99	123	8.11	8.127	8.7	7.	0.07	0.265	7.8	8.	8.3	8.426
00400	CONVERTED PH (STANDARD UNITS)	07/08/76-12/08/99	123	8.11	8.028	8.7	7.	0.08	0.283	7.8	8.	8.3	8.426
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/76-12/08/99	123	0.008	0.009	0.1	0.002	0.	0.01	0.004	0.005	0.01	0.016
00405	CARBON DIOXIDE (MG/L AS CO2)	10/28/76-12/08/99	228	2.	2.623	29.	1.	6.747	2.597	1.	1.	3.	4.
00406	PH, FIELD, STANDARD UNITS SU	07/08/76-12/08/99	206	8.3	8.208	9.1	1.8	0.431	0.656	7.8	8.075	8.5	8.6
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/76-12/08/99	206	8.3	4.103	9.1	1.8	17.363	4.167	7.8	8.075	8.5	8.6
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/76-12/08/99	206	0.005	78.878	15848.932	0.001	1219831.481	1104.46	0.003	0.003	0.008	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/28/76-12/08/99	214	146.	142.308	199.	72.	591.191	24.314	106.	132.	159.	169.
00440	BICARBONATE ION (MG/L AS HCO3)	10/28/76-12/08/99	215	178.	173.619	318.	0.	1109.209	33.305	127.	161.	194.	206.
00445	CARBONATE ION (MG/L AS CO3)	01/21/81-12/08/99	124	0.	0.137	4.	0.	0.396	0.629	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/08/76-12/08/99	206	196.5	715.989	10130.	1.5	2481670.43	1575.332	20.28	47.75	694.75	1641.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/76-02/11/99	212	0.06	0.234	12.	0.003	1.22	1.104	0.025	0.031	0.1	0.214
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/11/88-10/11/90	20 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/13/77-01/19/89	61 ##	0.02	0.046	0.84	0.005	0.013	0.116	0.005	0.005	0.035	0.096
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/11/88-10/11/90	20	0.649	0.677	1.23	0.25	0.082	0.286	0.3	0.45	0.895	1.12
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/76-01/19/89	71	0.72	0.912	5.17	0.07	0.462	0.68	0.37	0.53	1.15	1.574
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/08/76-05/16/97	163	0.6	0.88	21.3	0.05	3.195	1.787	0.27	0.4	0.9	1.443
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/06/80-12/08/99	105	0.635	0.815	4.85	0.1	0.407	0.638	0.296	0.443	1.	1.493
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/23/90-06/24/99	35	0.524	0.58	1.522	0.13	0.112	0.334	0.232	0.28	0.834	1.017
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/05/76-12/08/99	203	0.109	0.251	3.68	0.003	0.172	0.415	0.025	0.05	0.29	0.586
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/23/90-06/24/99	33	0.016	0.034	0.47	0.005	0.007	0.081	0.005	0.01	0.027	0.043
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/11/88-06/21/90	20	0.01	0.019	0.15	0.003	0.001	0.033	0.003	0.003	0.02	0.043
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/13/77-06/21/90	138	4.9	9.608	89.	0.5	182.745	13.518	2.3	3.175	9.525	20.14
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/28/76-12/08/99	214	330.1	340.195	950.	71.	16128.526	126.998	176.95	259.75	415.875	493.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/28/76-12/08/99	215	84.	87.99	276.	33.	1156.908	34.013	48.84	67.	104.	128.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/28/76-12/08/99	215	29.	29.601	73.	6.2	138.78	11.781	12.86	22.2	36.	44.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/28/76-12/08/99	215	98.	98.195	234.	8.22	2126.294	46.112	28.	68.	126.	162.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/28/76-12/08/99	215	4.	4.514	10.	1.	3.139	1.772	2.	3.38	5.3	7.

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

Parameter Inventory for Station: ARCH0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/28/76-12/08/99	215	95.9	97.49	255.	0.1	2887.36	53.734	22.	61.5	127.5	173.8
00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/28/76-12/08/99	214	263.07	276.186	940.	51.036	19454.487	139.479	102.25	197.375	345.5	440.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/28/76-08/26/81	26	0.39	0.37	0.53	0.23	0.006	0.077	0.264	0.3	0.433	0.47
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/28/76-12/23/81	27	10.	9.444	14.	2.	6.564	2.562	5.	8.	11.	12.2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/28/76-12/08/99	45 ##	2.5	3.087	30.	0.5	17.531	4.187	1.	2.5	2.5	3.2
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/16/77-12/08/99	35	65.	69.046	130.	0.6	545.25	23.351	52.	54.	80.	100.
01020	BORON, DISSOLVED (UG/L AS B)	10/28/76-12/23/81	27	215.	200.741	350.	30.	8418.661	91.753	85.	115.	265.	321.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/28/76-12/08/99	35 ##	0.5	0.757	5.	0.5	1.123	1.06	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/24/77-12/08/99	36 ##	2.5	3.064	15.	2.5	4.718	2.172	2.5	2.5	2.5	5.
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/28/76-12/23/81	21 ##	2.5	2.643	4.	2.	0.279	0.528	2.	2.5	2.75	3.8
01040	COPPER, DISSOLVED (UG/L AS CU)	10/28/76-12/08/99	42 ##	6.	8.333	27.	5.	14.374	3.791	5.	6.	10.	10.
01046	IRON, DISSOLVED (UG/L AS FE)	10/28/76-12/08/99	43	10.	56.647	957.	5.	24898.484	157.793	10.	10.	38.	88.04
01049	LEAD, DISSOLVED (UG/L AS PB)	01/13/77-12/08/99	36 ##	1.5	3.639	50.	1.5	73.037	8.546	1.5	1.5	1.5	3.9
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/24/77-12/08/99	40	11.5	24.303	200.	2.5	1488.833	38.585	2.5	5.	28.5	64.4
01065	NICKEL, DISSOLVED (UG/L AS NI)	04/14/77-10/14/77	3	25.	20.	30.	5.	175.	13.229	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	04/14/77-12/08/99	37 ##	1.	1.432	5.	1.	1.586	1.259	1.	1.	1.	5.
01090	ZINC, DISSOLVED (UG/L AS ZN)	10/28/76-12/08/99	45 ##	15.	16.222	75.	5.	148.859	12.201	5.	10.	15.	32.4
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	11/02/94-12/08/99	20 ##	15.	97.6	820.	15.	37419.937	193.442	15.	15.	68.	356.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/28/76-12/08/99	47	2.5	2.843	7.	0.2	2.78	1.667	0.74	1.4	4.1	5.
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE UG/L	02/24/77-04/02/92	141 ##	0.25	0.558	5.	0.25	0.528	0.727	0.25	0.25	0.5	1.
01501	ALPHA, TOTAL	06/15/83-10/06/93	51	10.	11.573	52.	0.5	114.356	10.694	1.	4.	15.	28.48
03501	BETA, TOTAL	05/19/77-10/06/93	57	14.	21.375	113.	2.5	441.128	21.003	5.	6.	28.5	50.8
04257	ALDICARB SULFONE, TOTAL, WATER UG/L	09/12/91-09/12/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
04258	HYDROXYCARBOFURAN, 3-, TOTAL, WATER UG/L	09/12/91-09/12/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
04260	ALDICARB SULFOXIDE, TOTAL, WATER UG/L	09/12/91-09/12/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
07000	TRITIUM (1H3),TOTAL (PICOCURIES/LITER)	11/06/80-07/30/86	7	74.	187.143	500.	25.	47115.476	217.061	**	**	**	**
09501	RADIUM 226, TOTAL	05/19/77-10/06/93	40 ##	0.25	13.24	250.	0.05	3027.551	55.023	0.105	0.25	1.	4.7
11501	RADIUM 228, TOTAL	10/15/81-07/30/86	4	1.	0.875	1.	0.5	0.063	0.25	**	**	**	**
30190	DICHLORPROP, WATER, WHOLE, RECOVERABLE UG/L	05/23/90-09/12/91	2 ##	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
30192	MCPA, WATER, WHOLE, RECOVERABLE UG/L	05/23/90-09/12/91	2 ##	350.	350.	350.	350.	0.	0.	**	**	**	**
30218	DICHLORVOS, WATER, WHOLE, RECOVERABLE UG/L	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/08/76-11/30/77	16	2250.	4531.	43000.	23.	107925705.467	10388.73	23.	220.	4200.	16120.
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	07/08/76-11/30/77	16	3.351	2.994	4.633	1.362	0.864	0.93	1.362	2.29	3.623	3.954
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	GEOMETRIC MEAN =			985.248								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/08/76-11/30/77	16	230.	561.	3900.	4.	1069119.733	1033.982	17.3	23.	422.5	2640.
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	07/08/76-11/30/77	16	2.362	2.151	3.591	0.602	0.662	0.814	1.134	1.362	2.626	3.403
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION	GEOMETRIC MEAN =			141.453								
34351	ENDOSULFAN SULFATE TOTWUG/L	09/16/88-09/12/91	5 ##	0.033	0.033	0.033	0.033	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	09/16/88-09/12/91	5 ##	0.002	0.009	0.02	0.002	0.	0.01	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	09/16/88-09/12/91	5 ##	0.007	0.012	0.02	0.007	0.	0.007	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	09/16/88-09/12/91	5 ##	0.012	0.015	0.02	0.012	0.	0.005	**	**	**	**
34671	PCB - 1016 TOTWUG/L	09/16/88-09/12/91	4 ##	0.141	0.141	0.25	0.033	0.016	0.126	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	05/23/90-09/12/91	2 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
38500	METHIOCARB WATER, TOTUG/L	09/12/91-09/12/91	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
38537	PROPOXUR WATER, TOTUG/L	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
38865	OXAMYL WATER, TOTUG/L	09/12/91-09/12/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39023	PHORATE, FLAME IONIZATION, WATER SAMPLE (UG/L)	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	05/23/90-05/23/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39051	METHOMYL IN WHOLE WATER (UG/L)	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39053	ALDICARB IN WHOLE WATER (UG/L)	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39055	SIMAZINE IN WHOLE WATER (UG/L)	05/23/90-05/23/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	5 ##	0.01	0.012	0.02	0.006	0.	0.007	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	5 ##	0.006	0.011	0.02	0.006	0.	0.008	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	5 ##	0.002	0.009	0.02	0.002	0.	0.01	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	5 ##	0.002	0.009	0.02	0.002	0.	0.01	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/16/88-09/12/91	5 ##	0.004	0.009	0.02	0.002	0.	0.01	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/16/88-09/12/91	5 ##	0.002	0.009	0.02	0.002	0.	0.01	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/17/85-09/12/91	6 ##	0.003	0.003	0.005	0.001	0.	0.002	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/16/88-09/12/91	5 ##	0.125	0.128	0.25	0.007	0.015	0.122	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	5 ##	0.001	0.009	0.02	0.001	0.	0.01	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	6 ##	0.003	0.008	0.02	0.002	0.	0.009	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	6 ##	0.12	0.148	0.25	0.025	0.008	0.088	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	5 ##	0.002	0.009	0.02	0.002	0.	0.01	**	**	**	**

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Parameter Inventory for Station: ARCH0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	5 ##	0.042	0.033	0.042	0.02	0.	0.012	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	6 ##	0.068	4.212	25.	0.005	103.712	10.184	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	4 ##	0.141	0.141	0.25	0.033	0.016	0.126	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	4 ##	0.141	0.141	0.25	0.033	0.016	0.126	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	4 ##	0.141	0.141	0.25	0.033	0.016	0.126	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	4 ##	0.141	0.141	0.25	0.033	0.016	0.126	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/17/85-09/12/91	5 ##	0.033	0.116	0.25	0.015	0.015	0.123	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/16/88-09/12/91	4 ##	0.141	0.141	0.25	0.033	0.016	0.126	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	6 ##	0.5	0.433	0.5	0.1	0.027	0.163	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/16/88-09/12/91	4 ##	0.15	0.15	0.25	0.05	0.013	0.115	**	**	**	**
39750	SEVIN IN WHOLE WATER SAMPLE (UG/L)	09/12/91-09/12/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/17/85-09/12/91	6 ##	0.05	0.111	0.25	0.015	0.012	0.109	**	**	**	**
39770	DACTHAL (DCPA) IN WHOLE WATER SAMPLE (UG/L)	09/16/88-05/09/89	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46323	DELTA-BHC IN WHOLE WATER SMAPLE (UG/L)	09/16/88-09/12/91	5 ##	0.005	0.01	0.02	0.002	0.	0.009	**	**	**	**
61027	ANIONS, SUM, TOTAL IN WATER MG/L	07/18/91-12/08/99	66	428.5	391.076	683.	115.	20594.102	143.506	151.9	304.5	488.25	539.2
61944	CATIONS, SUM, TOTAL IN WATER, MG/L	07/18/91-12/08/99	66	207.	188.409	321.	60.	4970.953	70.505	74.5	122.75	242.	261.3
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/28/76-12/08/99	215	704.	716.293	1728.	200.	78797.105	280.708	314.4	542.	906.	1070.4
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/28/76-01/19/89	63	0.04	0.118	0.59	0.003	0.021	0.145	0.01	0.025	0.19	0.376
71890	MERCURY, DISSOLVED (UG/L AS HG)	07/16/87-12/08/99	34 ##	0.1	0.129	1.1	0.1	0.029	0.171	0.1	0.1	0.1	0.1
77825	ALACHLOR WHOLE WATER,UG/L	05/23/90-05/23/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
77969	CHLOROPYRIFOS IN WATER UG/L	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
78008	ENDRIN KETONE IN WATER UG/L	09/16/88-05/09/89	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
81284	TRIFLURALIN(C13H16F3N3O4) WHOLE WATER SAMPLE UG/L	05/23/90-05/23/90	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81287	DNBP(C10H12N2O5) WHOLE WATER SAMPLE UG/L	05/23/90-09/12/91	2 ##	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE UG/L	09/12/91-09/12/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
81888	DISULFOTON IN WHOLE WATER SAMPLE UG/L	09/12/91-09/12/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-04/02/92	140	1.5	1.875	10.	0.25	2.715	1.648	0.275	1.	2.5	3.
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER MG/L	11/06/80-04/02/92	139	0.06	0.071	0.3	0.025	0.002	0.05	0.025	0.025	0.09	0.13
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-04/02/92	140 ##	0.5	0.746	8.	0.5	0.746	0.864	0.5	0.5	0.5	1.
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-04/02/92	140 ##	2.5	3.829	100.	2.5	70.56	8.4	2.5	2.5	2.5	5.
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/24/77-04/02/92	141 ##	10.	10.823	65.	5.	66.161	8.134	5.	5.	10.	20.
82710	IRON, FIELD ACIDIFIED, DECANTED, WATER MG/L	10/28/76-04/02/92	153	1.36	3.216	99.99	0.01	79.782	8.932	0.19	0.37	3.245	5.324
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/24/77-04/02/92	141 ##	2.5	7.777	50.	2.5	68.991	8.306	2.5	2.5	10.	18.8
82712	MANGANESE, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/24/77-04/02/92	141	93.	187.265	1570.	0.3	76022.607	275.722	28.4	40.	209.	406.
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER UG/L	09/15/77-04/02/92	141 ##	0.05	0.105	2.4	0.05	0.054	0.232	0.05	0.05	0.1	0.1
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-10/06/83	65 ##	5.	7.938	33.	5.	33.621	5.798	5.	5.	10.	16.4
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER UG/L	11/06/80-04/02/92	140 ##	1.	1.007	2.	1.	0.007	0.085	1.	1.	1.	1.
82717	URANIUM, FIELD ACIDIFIED, DECANTED, WATER UG/L	06/15/82-10/24/91	3	1.24	6.747	19.	0.	112.993	10.63	**	**	**	**
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER UG/L	02/24/77-04/02/92	139	28.	38.353	210.	2.5	1297.871	36.026	10.	15.	52.	75.

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

EPA Water Quality Criteria Analysis for Station: ARCH0178

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	214	124	0.58	56	37	0.66	94	30	0.32	39	37	0.95	25	20	0.80
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	200	0	0.00	53	0	0.00	86	0	0.00	37	0	0.00	24	0	0.00
00400	PH	Fresh Chronic	9.	123	0	0.00	37	0	0.00	51	0	0.00	22	0	0.00	13	0	0.00
		Other-Lo Lim.	6.5	123	0	0.00	37	0	0.00	51	0	0.00	22	0	0.00	13	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	206	2	0.01	54	0	0.00	91	2	0.02	36	0	0.00	25	0	0.00
		Other-Lo Lim.	6.5	206	3	0.01	54	0	0.00	91	0	0.00	36	2	0.06	25	1	0.04
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	20	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	3	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	61	0	0.00	16	0	0.00	28	0	0.00	12	0	0.00	5	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	20	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	71	0	0.00	20	0	0.00	32	0	0.00	12	0	0.00	7	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	105	0	0.00	27	0	0.00	49	0	0.00	16	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: ARCH0178

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	35	0	0.00	7	0	0.00	14	0	0.00	9	0	0.00	5	0	0.00
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	215	0	0.00	57	0	0.00	94	0	0.00	39	0	0.00	25	0	0.00
		Drinking Water	250.	215	2	0.01	57	0	0.00	94	2	0.02	39	0	0.00	25	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	214	119	0.56	57	46	0.81	93	62	0.67	39	8	0.21	25	3	0.12
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	26	0	0.00	5	0	0.00	13	0	0.00	5	0	0.00	3	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	45	0	0.00	10	0	0.00	23	0	0.00	9	0	0.00	3	0	0.00
		Drinking Water	50.	45	0	0.00	10	0	0.00	23	0	0.00	9	0	0.00	3	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	35	0	0.00	9	0	0.00	16	0	0.00	7	0	0.00	3	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	35	2	0.06	10	1	0.10	16	1	0.06	7	0	0.00	2	0	0.00
		Drinking Water	5.	35	2	0.06	10	1	0.10	16	1	0.06	7	0	0.00	2	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	36	0	0.00	9	0	0.00	16	0	0.00	8	0	0.00	3	0	0.00
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	21	0	0.00	4	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00
		Drinking Water	100.	21	0	0.00	4	0	0.00	9	0	0.00	5	0	0.00	3	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	42	1	0.02	11	1	0.09	19	0	0.00	9	0	0.00	3	0	0.00
		Drinking Water	1300.	42	0	0.00	11	0	0.00	19	0	0.00	9	0	0.00	3	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	36	0	0.00	9	0	0.00	18	0	0.00	7	0	0.00	2	0	0.00
		Drinking Water	15.	36	2	0.06	9	0	0.00	18	2	0.11	7	0	0.00	2	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00	2	0	0.00				1	0	0.00			
		Drinking Water	100.	3	0	0.00	2	0	0.00				1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	37	4	0.11	10	1	0.10	15	0	0.00	9	2	0.22	3	1	0.33
		Drinking Water	100.	37	0	0.00	10	0	0.00	15	0	0.00	9	0	0.00	3	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	45	0	0.00	12	0	0.00	22	0	0.00	8	0	0.00	3	0	0.00
		Drinking Water	5000.	45	0	0.00	12	0	0.00	22	0	0.00	8	0	0.00	3	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	47	0	0.00	13	0	0.00	22	0	0.00	9	0	0.00	3	0	0.00
		Drinking Water	50.	47	0	0.00	13	0	0.00	22	0	0.00	9	0	0.00	3	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	141	0	0.00	34	0	0.00	65	0	0.00	26	0	0.00	16	0	0.00
		Drinking Water	50.	141	0	0.00	34	0	0.00	65	0	0.00	26	0	0.00	16	0	0.00
07000	TRITIUM, TOTAL	Drinking Water	20000.	7	0	0.00	1	0	0.00	4	0	0.00	2	0	0.00			
09501	RADIUM 226, TOTAL	Drinking Water	5.	38 &	2	0.05	13	2	0.15	16	0	0.00	6	0	0.00	3	0	0.00
11501	RADIUM 228, TOTAL	Drinking Water	5.	4	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	16	10	0.63	6	5	0.83	7	4	0.57	2	1	0.50	1	0	0.00
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	16	9	0.56	6	4	0.67	7	4	0.57	2	1	0.50	1	0	0.00
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	5	0	0.00	2	0	0.00				3	0	0.00			
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	5	0	0.00	2	0	0.00				3	0	0.00			
38865	OXAMYL, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00							1	0	0.00			
39053	ALDICARB IN WHOLE WATER	Drinking Water	3.	1	0	0.00	1	0	0.00									
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	5	0	0.00	2	0	0.00				3	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	5	0	0.00	2	0	0.00				3	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	5	0	0.00	3	0	0.00				2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	5	0	0.00	2	0	0.00				3	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	6	0	0.00	3	0	0.00				3	0	0.00			
		Drinking Water	0.2	6	0	0.00	3	0	0.00				3	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	2.	5	0	0.00	2	0	0.00				3	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	5	0	0.00	2	0	0.00				3	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	6	0	0.00	3	0	0.00				3	0	0.00			
		Drinking Water	2.	6	0	0.00	3	0	0.00				3	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	6	0	0.00	3	0	0.00				3	0	0.00			
		Drinking Water	3.	6	0	0.00	3	0	0.00				3	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	0.4	5	0	0.00	2	0	0.00				3	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	5	0	0.00	2	0	0.00				3	0	0.00			
		Drinking Water	0.2	5	0	0.00	2	0	0.00				3	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	6	0	0.00	3	0	0.00				3	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	6	0	0.00	3	0	0.00				3	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	6	0	0.00	3	0	0.00				3	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0178

Parameter				Total	Exceed	Prop.	7/15-10/14			10/15-3/31			4/01-5/31			6/01-7/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	34	0	0.00	10	0	0.00	15	0	0.00	7	0	0.00	2	0	0.00
		Drinking Water	2.	34	0	0.00	10	0	0.00	15	0	0.00	7	0	0.00	2	0	0.00
81287	DNBP(C10H12N2O5), WHOLE WATER SAMPLE	Drinking Water	7.	2	0	0.00	1	0	0.00				1	0	0.00			
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	140	0	0.00	34	0	0.00	64	0	0.00	26	0	0.00	16	0	0.00
		Drinking Water	50.	140	0	0.00	34	0	0.00	64	0	0.00	26	0	0.00	16	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	139	0	0.00	34	0	0.00	64	0	0.00	26	0	0.00	15	0	0.00
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	140	3	0.02	34	3	0.09	64	0	0.00	26	0	0.00	16	0	0.00
		Drinking Water	5.	140	2	0.01	34	2	0.06	64	0	0.00	26	0	0.00	16	0	0.00
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	140	1	0.01	34	1	0.03	64	0	0.00	26	0	0.00	16	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	141	16	0.11	34	6	0.18	65	3	0.05	26	5	0.19	16	2	0.13
		Drinking Water	1300.	141	0	0.00	34	0	0.00	65	0	0.00	26	0	0.00	16	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	141	0	0.00	34	0	0.00	65	0	0.00	26	0	0.00	16	0	0.00
		Drinking Water	15.	141	22	0.16	34	7	0.21	65	2	0.03	26	8	0.31	16	5	0.31
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	141	1	0.01	35	0	0.00	64	1	0.02	26	0	0.00	16	0	0.00
		Drinking Water	2.	141	1	0.01	35	0	0.00	64	1	0.02	26	0	0.00	16	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	65	0	0.00	15	0	0.00	29	0	0.00	11	0	0.00	10	0	0.00
		Drinking Water	100.	65	0	0.00	15	0	0.00	29	0	0.00	11	0	0.00	10	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	140	0	0.00	34	0	0.00	64	0	0.00	26	0	0.00	16	0	0.00
		Drinking Water	100.	140	0	0.00	34	0	0.00	64	0	0.00	26	0	0.00	16	0	0.00
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	139	6	0.04	34	3	0.09	65	1	0.02	26	2	0.08	14	0	0.00
		Drinking Water	5000.	139	0	0.00	34	0	0.00	65	0	0.00	26	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: ARCH0179

NPS Station ID: ARCH0179
LAT/LON: 38.812500/-109.303055
Agency: 21UTAH
Date Created: / /
Location: COLORADO R AB RAFT PUT IN
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 495852
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index:
RF1 Mile Point: 0.000
Distance from RF1: 25.40
On/Off RF1:
RF3 Index: 14060008012800.00
RF3 Mile Point: 0.33
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0179

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	02/11/99-12/09/99	5	6130.	7980.	17500.	3830.	31989700.	5655.944	**	**	**	**

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

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

Station Inventory for Station: ARCH0180

NPS Station ID: ARCH0180
LAT/LON: 38.816670/-109.341670
Agency: 112WRD
Date Created: 05/24/86
Location: (D-23-23)11DBC-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 384900109203001
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 17.60
On/Off RF1:
RF3 Index: 14030005009500.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/23/85-11/23/85	1	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/23/85-11/23/85	1	560.	560.	560.	560.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/23/85-11/23/85	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/23/85-11/23/85	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/23/85-11/23/85	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/23/85-11/23/85	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/23/85-11/23/85	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/23/85-11/23/85	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/23/85-11/23/85	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/23/85-11/23/85	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/23/85-11/23/85	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/23/85-11/23/85	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	11/23/85-11/23/85	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/23/85-11/23/85	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/23/85-11/23/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/23/85-11/23/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	11/23/85-11/23/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	11/23/85-11/23/85	1	76.	76.	76.	76.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/23/85-11/23/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/23/85-11/23/85	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	11/23/85-11/23/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	11/23/85-11/23/85	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
09511	RADIUM 226, DISSOLVED, RADON METHOD	11/23/85-11/23/85	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	11/23/85-11/23/85	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/23/85-11/23/85	1	349.	349.	349.	349.	0.	0.	**	**	**	**
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	11/23/85-11/23/85	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	11/23/85-11/23/85	1	7.3	7.3	7.3	7.3	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: ARCH0180

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

& - 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: ARCH0180

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
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						
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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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						
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0181

NPS Station ID: ARCH0181
LAT/LON: 38.818892/-109.295837
Agency: 112WRD
Date Created: 05/19/84
Location: (D-23-24) 8CBB-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 384908109174501
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 4.10
On/Off RF1:
RF3 Index: 14030005002401.67
RF3 Mile Point: 6.84
Distance from RF3: 0.36
On/Off RF3:

Description:

Parameter Inventory for Station: ARCH0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/54-04/24/59	2	14.	14.	14.5	13.5	0.5	0.707	**	**	**	**
00059	FLOW, RATE, INSTANTANEOUS GALLONS/MIN	10/25/33-10/25/33	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/54-04/24/59	3	693.	689.667	695.	681.	57.333	7.572	**	**	**	**
00400	PH (STANDARD UNITS)	04/17/54-04/24/59	3	7.7	7.767	8.	7.6	0.043	0.208	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/17/54-04/24/59	3	7.7	7.736	8.	7.6	0.045	0.211	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/54-04/24/59	3	0.02	0.018	0.025	0.01	0.	0.008	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/25/33-04/24/59	4	266.5	267.25	276.	260.	47.583	6.898	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/25/33-04/24/59	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/25/33-04/24/59	4	48.	49.75	61.	42.	66.917	8.18	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	04/17/54-04/24/59	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/25/33-04/24/59	4	13.5	13.5	16.	11.	4.333	2.082	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/25/33-04/24/59	4	4.2	4.	5.2	2.4	1.527	1.236	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/17/54-04/17/54	1	137.	137.	137.	137.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/01/57-04/24/59	2	9.5	9.5	9.9	9.1	0.32	0.566	**	**	**	**
00932	SODIUM, PERCENT	04/17/54-04/24/59	3	87.	86.333	88.	84.	4.333	2.082	**	**	**	**
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/25/33-04/24/59	2	147.5	147.5	148.	147.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/17/54-04/17/54	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/25/33-04/24/59	4	65.	67.5	79.	61.	63.	7.937	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/25/33-04/24/59	4	44.5	45.25	48.	44.	3.583	1.893	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/54-04/24/59	3	9.9	9.867	10.	9.7	0.023	0.153	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/25/33-10/25/33	1	150.	150.	150.	150.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/17/54-04/17/54	1	402.	402.	402.	402.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/25/33-04/24/59	3	417.	416.667	429.	404.	156.333	12.503	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/25/33-04/24/59	4	0.4	0.45	0.8	0.2	0.07	0.265	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0181

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	3	0	0.00	1	0	0.00				2	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00				2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	250.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: ARCH0181

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			

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

Station Inventory for Station: ARCH0182

NPS Station ID: ARCH0182
LAT/LON: 38.852504/-109.613337
Agency: 112WRD
Date Created: 05/24/86
Location: (D-22-21)32AAC-S1
FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 385109109364801
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 14030005
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 14030005
RF1 Mile Point: 0.000
Distance from RF1: 7.30
On/Off RF1:
RF3 Index: 14030005010000.00
RF3 Mile Point: 0.00
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: ARCH0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/13/85-12/13/85	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/13/85-12/13/85	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/13/85-12/13/85	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/13/85-12/13/85	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/13/85-12/13/85	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/13/85-12/13/85	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/13/85-12/13/85	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/13/85-12/13/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/13/85-12/13/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/13/85-12/13/85	1	360.	360.	360.	360.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/13/85-12/13/85	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/13/85-12/13/85	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/13/85-12/13/85	1	310.	310.	310.	310.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	12/13/85-12/13/85	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/13/85-12/13/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/13/85-12/13/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/13/85-12/13/85	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	12/13/85-12/13/85	1	23.	23.	23.	23.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	12/13/85-12/13/85	1	540.	540.	540.	540.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/13/85-12/13/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	12/13/85-12/13/85	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
09511	RADIUM 226, DISSOLVED, RADON METHOD	12/13/85-12/13/85	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	12/13/85-12/13/85	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/13/85-12/13/85	1	1020.	1020.	1020.	1020.	0.	0.	**	**	**	**
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	12/13/85-12/13/85	1 ##	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	12/13/85-12/13/85	1	3.5	3.5	3.5	3.5	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: ARCH0182

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

& - 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: ARCH0182

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
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	1	1.00				1	1	1.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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						
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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: ARCH0183

NPS Station ID: ARCH0183 | LAT/LON: 38.866392/-109.557199 | Agency: 11NPSWRD | Date Created: 01/09/99
Location: C17592 | FIPS State/County: 49019 UTAH/GRAND
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): ARCH_NURE_15 /1041258
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 14030005 | Depth of Water: 0 | Aquifer:
Major Basin: COLORADO RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER COLORADO RIVER | ECO Region:
RF1 Index: 14030005 | RF1 Mile Point: 0.000 | Distance from RF1: 25.40 | On/Off RF1:
RF3 Index: 14060008012800.00 | RF3 Mile Point: 0.33 | Distance from RF3: 0.02 | On/Off RF3:
Description:
THE STATION IS LOCATED ON THE MOLLIE HOGANS UTAH-GRAND COUNTY 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE ARCHES NATIONAL PARK BOUNDARY. EACH SAMPLE WAS FILTERED THROUGH A 0.45 UM MEMBRANE FILTER AND ACIDIFIED TO A PH OF LESS THAN OR EQUAL TO ONE WITH REAGENT-GRADE NITRIC ACID. DATA ARE FROM THE U.S. GEOLOGICAL SURVEY "NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTLEMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "LASLID" ENTRY (LOS ALAMOS SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY LOS ALAMOS SCIENTIFIC LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY LISA DUMMER; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: ARCH0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/78-07/02/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/02/78-07/02/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/78-07/02/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/78-07/02/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/78-07/02/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/02/78-07/02/78	1	40.3	40.3	40.3	40.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/02/78-07/02/78	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/02/78-07/02/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	07/02/78-07/02/78	1 ##	27.5	27.5	27.5	27.5	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/02/78-07/02/78	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/02/78-07/02/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	07/02/78-07/02/78	1	249.	249.	249.	249.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/02/78-07/02/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	07/02/78-07/02/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	07/02/78-07/02/78	1 ##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	07/02/78-07/02/78	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01150	TITANIUM, DISSOLVED (UG/L AS TI)	07/02/78-07/02/78	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	07/02/78-07/02/78	1	1.14	1.14	1.14	1.14	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/02/78-07/02/78	1	2659.	2659.	2659.	2659.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: ARCH0183

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00400	PH	Fresh Chronic	9.	1	1	1.00										1	1	1.00
		Other-Lo Lim.	6.5	1	0	0.00										1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	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	1	1.00										1	1	1.00
		Drinking Water	15.	1	1	1.00										1	1	1.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	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 ARCH Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	126	56	0.44	29	19	0.66	66	16	0.24	21	18	0.86	10	3	0.30
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	999	410	0.41	251	97	0.39	426	125	0.29	211	135	0.64	111	53	0.48
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	21	0	0.00	21	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1398	46	0.03	377	21	0.06	543	7	0.01	319	14	0.04	159	4	0.03
00400	PH	Fresh Chronic	9.	2372	10	0.00	604	0	0.00	1037	6	0.01	450	1	0.00	281	3	0.01
		Other-Lo Lim.	6.5	2372	21	0.01	604	6	0.01	1037	5	0.00	450	8	0.02	281	2	0.01
00403	PH, LAB	Fresh Chronic	9.	159	0	0.00	41	0	0.00	66	0	0.00	31	0	0.00	21	0	0.00
		Other-Lo Lim.	6.5	159	0	0.00	41	0	0.00	66	0	0.00	31	0	0.00	21	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	1113	35	0.03	387	22	0.06	404	7	0.02	199	0	0.00	123	6	0.05
		Other-Lo Lim.	6.5	1113	18	0.02	387	4	0.01	404	2	0.00	199	10	0.05	123	2	0.02
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	97	1	0.01	26	1	0.04	33	0	0.00	24	0	0.00	14	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	311	7	0.02	71	1	0.01	152	4	0.03	58	1	0.02	30	1	0.03
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	167	0	0.00	53	0	0.00	57	0	0.00	35	0	0.00	22	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	556	6	0.01	208	0	0.00	212	3	0.01	94	3	0.03	42	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	575	9	0.02	136	1	0.01	277	5	0.02	105	2	0.02	57	1	0.02
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	483	3	0.01	140	1	0.01	171	1	0.01	108	1	0.01	64	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	24	1	0.04	6	0	0.00	12	1	0.08	4	0	0.00	2	0	0.00
		Drinking Water	0.2	24	0	0.00	6	0	0.00	12	0	0.00	4	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1954	36	0.02	534	19	0.04	876	4	0.00	323	9	0.03	221	4	0.02
		Drinking Water	250.	1954	166	0.08	534	48	0.09	876	99	0.11	323	13	0.04	221	6	0.03
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	891	15	0.02	232	8	0.03	375	3	0.01	182	3	0.02	102	1	0.01
		Drinking Water	250.	891	88	0.10	232	19	0.08	375	46	0.12	182	14	0.08	102	9	0.09
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1972	1344	0.68	541	398	0.74	881	793	0.90	332	102	0.31	218	51	0.23
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	892	398	0.45	234	134	0.57	374	202	0.54	183	44	0.24	101	18	0.18
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	710	0	0.00	179	0	0.00	336	0	0.00	117	0	0.00	78	0	0.00
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	95	0	0.00	75	0	0.00	20	0	0.00						
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	389	0	0.00	96	0	0.00	185	0	0.00	75	0	0.00	33	0	0.00
		Drinking Water	50.	388 &	0	0.00	96	0	0.00	185	0	0.00	75	0	0.00	32	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	17	0	0.00	4	0	0.00	10	0	0.00	3	0	0.00			
		Drinking Water	50.	17	0	0.00	4	0	0.00	10	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	150	0	0.00	88	0	0.00	46	0	0.00	9	0	0.00	7	0	0.00
		Drinking Water	50.	150	0	0.00	88	0	0.00	46	0	0.00	9	0	0.00	7	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	336	0	0.00	76	0	0.00	163	0	0.00	73	0	0.00	24	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	16	0	0.00	3	0	0.00	9	0	0.00	4	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	136	0	0.00	85	0	0.00	39	0	0.00	7	0	0.00	5	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	68	0	0.00	9	0	0.00	40	0	0.00	13	0	0.00	6	0	0.00
		Drinking Water	4.	68	1	0.01	9	0	0.00	40	0	0.00	13	1	0.08	6	0	0.00
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	100	0	0.00	78	0	0.00	22	0	0.00						
		Drinking Water	4.	5 &	0	0.00	3	0	0.00	2	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	407 &	44	0.11	97	12	0.12	199	26	0.13	82	4	0.05	29	2	0.07
		Drinking Water	5.	407 &	30	0.07	97	6	0.06	199	18	0.09	82	4	0.05	29	2	0.07
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	10 &	5	0.50				8	4	0.50	2	1	0.50			
		Drinking Water	5.	10 &	4	0.40				8	4	0.50	2	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	146 &	6	0.04	90	0	0.00	40	3	0.08	11	3	0.27	5	0	0.00
		Drinking Water	5.	146 &	4	0.03	90	0	0.00	40	3	0.08	11	1	0.09	5	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	424	1	0.00	91	0	0.00	191	0	0.00	84	0	0.00	58	1	0.02
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	18	0	0.00	3	0	0.00	11	0	0.00	4	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	222 &	7	0.03	35	0	0.00	119	4	0.03	44	0	0.00	24	3	0.13
		Drinking Water	100.	223	0	0.00	36	0	0.00	119	0	0.00	44	0	0.00	24	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	154	1	0.01	91	0	0.00	43	1	0.02	13	0	0.00	7	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	465	33	0.07	108	11	0.10	210	8	0.04	86	3	0.03	61	11	0.18
		Drinking Water	1300.	465	0	0.00	108	0	0.00	210	0	0.00	86	0	0.00	61	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	20	5	0.25	4	1	0.25	12	2	0.17	4	2	0.50			
		Drinking Water	1300.	20	1	0.05	4	0	0.00	12	1	0.08	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	159 &	43	0.27	79	21	0.27	47	7	0.15	26	15	0.58	7	0	0.00
		Drinking Water	1300.	224	3	0.01	117	1	0.01	58	1	0.02	41	1	0.02	8	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	433 &	26	0.06	93	0	0.00	201	0	0.00	84	0	0.00	55	26	0.47
		Drinking Water	15.	432 &	68	0.16	93	9	0.10	201	22	0.11	84	9	0.11	54	28	0.52
01050	LEAD, SUSPENDED	Fresh Acute	82.	17	1	0.06	3	0	0.00	11	1	0.09	3	0	0.00			
		Drinking Water	15.	13 &	6	0.46	2	1	0.50	8	3	0.38	3	2	0.67			
01051	LEAD, TOTAL	Fresh Acute	82.	145 &	0	0.00	90	0	0.00	39	0	0.00	11	0	0.00	5	0	0.00
		Drinking Water	15.	142 &	14	0.10	87	4	0.05	39	3	0.08	11	7	0.64	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 Entire ARCH Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	27	0	0.00	2	0	0.00	21	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	2.	22 &	1	0.05	2	0	0.00	16	1	0.06	2	0	0.00	2	0	0.00
01059	THALLIUM, TOTAL	Fresh Acute	1400.	5	0	0.00	3	0	0.00	2	0	0.00						
		Drinking Water	2.	5	0	0.00	3	0	0.00	2	0	0.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	200	0	0.00	28	0	0.00	93	0	0.00	35	0	0.00	44	0	0.00
		Drinking Water	100.	200	2	0.01	28	0	0.00	93	0	0.00	35	0	0.00	44	2	0.05
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
		Drinking Water	100.	8	0	0.00	2	0	0.00	5	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	141	0	0.00	88	0	0.00	38	0	0.00	8	0	0.00	7	0	0.00
		Drinking Water	100.	141	27	0.19	88	20	0.23	38	6	0.16	8	1	0.13	7	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	326 &	18	0.06	75	4	0.05	154	7	0.05	74	5	0.07	23	2	0.09
		Drinking Water	100.	335	0	0.00	75	0	0.00	163	0	0.00	74	0	0.00	23	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	11 &	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00			
		Drinking Water	100.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	159 &	0	0.00	92	0	0.00	48	0	0.00	11	0	0.00	8	0	0.00
		Drinking Water	100.	160	0	0.00	92	0	0.00	49	0	0.00	11	0	0.00	8	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	460	16	0.03	102	1	0.01	211	1	0.00	87	4	0.05	60	10	0.17
		Drinking Water	5000.	460	0	0.00	102	0	0.00	211	0	0.00	87	0	0.00	60	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	20	3	0.15	3	1	0.33	12	1	0.08	5	1	0.20			
		Drinking Water	5000.	20	0	0.00	3	0	0.00	12	0	0.00	5	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	78	13	0.17	17	2	0.12	37	7	0.19	15	3	0.20	9	1	0.11
		Drinking Water	5000.	78	0	0.00	17	0	0.00	37	0	0.00	15	0	0.00	9	0	0.00
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	28	0	0.00	2	0	0.00	21	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	6.	28	1	0.04	2	0	0.00	21	1	0.05	3	0	0.00	2	0	0.00
01097	ANTIMONY, TOTAL	Fresh Acute	88.	107	0	0.00	79	0	0.00	28	0	0.00						
		Drinking Water	6.	107	1	0.01	79	0	0.00	28	1	0.04						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	396	8	0.02	97	6	0.06	191	2	0.01	77	0	0.00	31	0	0.00
		Drinking Water	50.	396	5	0.01	97	5	0.05	191	0	0.00	77	0	0.00	31	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	21	0	0.00	4	0	0.00	12	0	0.00	5	0	0.00			
		Drinking Water	50.	21	0	0.00	4	0	0.00	12	0	0.00	5	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	153	15	0.10	88	15	0.17	49	0	0.00	9	0	0.00	7	0	0.00
		Drinking Water	50.	153	14	0.09	88	14	0.16	49	0	0.00	9	0	0.00	7	0	0.00
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE	Fresh Acute	20.	408	0	0.00	105	0	0.00	181	0	0.00	84	0	0.00	38	0	0.00
		Drinking Water	50.	408	0	0.00	105	0	0.00	181	0	0.00	84	0	0.00	38	0	0.00
04035	SIMAZINE, DISSOLVED, WATER, TOTAL RECOVE	Drinking Water	4.	1	0	0.00							1	0	0.00			
07000	TRITIUM, TOTAL	Drinking Water	20000.	30	0	0.00	8	0	0.00	13	0	0.00	7	0	0.00	2	0	0.00
09501	RADIUM 226, TOTAL	Drinking Water	5.	169 &	32	0.19	54	14	0.26	84	15	0.18	22	2	0.09	9	1	0.11
09503	RADIUM 226, DISSOLVED	Drinking Water	5.	505	2	0.00	104	0	0.00	249	1	0.00	93	1	0.01	59	0	0.00
09505	RADIUM 226, SUSPENDED	Drinking Water	5.	148	13	0.09	48	8	0.17	60	4	0.07	25	0	0.00	15	1	0.07
11501	RADIUM 228, TOTAL	Drinking Water	5.	51	0	0.00	13	0	0.00	25	0	0.00	8	0	0.00	5	0	0.00
13501	STRONTIUM 90, TOTAL	Drinking Water	8.	4	0	0.00	2	0	0.00	2	0	0.00						
13503	STRONTIUM 90, DISSOLVED	Drinking Water	8.	10	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	631	10	0.02	127	2	0.02	303	6	0.02	108	2	0.02	93	0	0.00
22708	URANIUM, NATURAL, TOTAL	Drinking Water	0.02	14	14	1.00				5	5	1.00	6	6	1.00	3	3	1.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	68	3	0.04	24	0	0.00	14	2	0.14	28	1	0.04	2	0	0.00
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	348 &	149	0.43	99	50	0.51	146	54	0.37	66	30	0.45	37	15	0.41
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	343 &	121	0.35	98	38	0.39	145	44	0.30	63	26	0.41	37	13	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.	58	4	0.07	19	1	0.05	11	0	0.00	26	3	0.12	2	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	105	7	0.07	17	3	0.18	54	0	0.00	20	2	0.10	14	2	0.14
32101	BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	4	0	0.00	4	0	0.00									
32102	CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
32103	1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	4	0	0.00	4	0	0.00									
32106	CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	4	0	0.00	4	0	0.00									
		Drinking Water	100.	4	0	0.00	4	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	4	0	0.00	4	0	0.00									
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	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

EPA Water Quality Criteria Analysis for Entire ARCH Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	5	0	0.00	2	0	0.00				3	0	0.00			
34391	HEXACHLOROBUTADIENE, TOTAL	Fresh Acute	90.	4	0	0.00	4	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	4	0	0.00	4	0	0.00									
34475	TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
34501	1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	4	0	0.00	4	0	0.00									
34506	1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	4	0	0.00	4	0	0.00									
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	4	0	0.00	4	0	0.00									
34536	1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	4	0	0.00	4	0	0.00									
34541	1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	4	0	0.00	4	0	0.00									
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	4	0	0.00	4	0	0.00									
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	4	0	0.00	4	0	0.00									
34566	1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	4	0	0.00	4	0	0.00									
34571	1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	4	0	0.00	4	0	0.00									
34653	P,P'-DDE, DISSOLVED	Fresh Acute	1050.	1	0	0.00							1	0	0.00			
34696	NAPHTHALENE, TOTAL	Fresh Acute	2300.	4	0	0.00	4	0	0.00									
38760	DBCP, WATER, TOTAL	Drinking Water	0.2	0 &	0	0.00												
38865	OXAMYL, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
38933	CHLORPYRIFOS, DISSOLVED	Fresh Acute	0.083	1	0	0.00							1	0	0.00			
39025	SIMAZINE, COULSON CONDUCTIVITY WATER SAM	Drinking Water	4.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00							1	0	0.00			
39053	ALDICARB IN WHOLE WATER	Drinking Water	3.	1	0	0.00	1	0	0.00									
39055	SIMAZINE IN WHOLE WATER	Drinking Water	4.	1	0	0.00							1	0	0.00			
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	4	0	0.00	4	0	0.00									
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	4	0	0.00	4	0	0.00									
		Drinking Water	5.	4	0	0.00	4	0	0.00									
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	5	0	0.00	2	0	0.00				3	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	5	0	0.00	2	0	0.00				3	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	5	0	0.00	3	0	0.00				2	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	24	0	0.00	5	0	0.00	9	0	0.00	10	0	0.00			
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP.	Fresh Acute	3.	5	0	0.00				2	0	0.00	3	0	0.00			
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	Fresh Acute	3.	4	0	0.00				1	0	0.00	3	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	24	0	0.00	6	0	0.00	9	0	0.00	9	0	0.00			
		Drinking Water	0.2	24	0	0.00	6	0	0.00	9	0	0.00	9	0	0.00			
39341	GAMMA-BHC(LINDANE), DISSOLVED	Fresh Acute	2.	6	0	0.00				2	0	0.00	4	0	0.00			
		Drinking Water	0.2	6	0	0.00				2	0	0.00	4	0	0.00			
39342	GAMMA-BHC(LINDANE), SUSPENDED	Fresh Acute	2.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	0.2	3	0	0.00				1	0	0.00	2	0	0.00			
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	24	0	0.00	5	0	0.00	9	0	0.00	10	0	0.00			
		Drinking Water	2.	24	0	0.00	5	0	0.00	9	0	0.00	10	0	0.00			
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED	Fresh Acute	2.4	5	0	0.00				2	0	0.00	3	0	0.00			
		Drinking Water	2.	5	0	0.00				2	0	0.00	3	0	0.00			
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED	Fresh Acute	2.4	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	2.	4	0	0.00				1	0	0.00	3	0	0.00			
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39361	DDD IN FILT. FRAC. OF WATER SMAPLE	Fresh Acute	0.6	5	0	0.00				2	0	0.00	3	0	0.00			
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	0.6	4	0	0.00				1	0	0.00	3	0	0.00			
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39366	DDE IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	1050.	5	0	0.00				2	0	0.00	3	0	0.00			
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	1050.	4	0	0.00				1	0	0.00	3	0	0.00			
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	19	0	0.00	3	0	0.00	9	0	0.00	7	0	0.00			
39371	DDT IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	1.1	5	0	0.00				2	0	0.00	3	0	0.00			
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	1.1	4	0	0.00				1	0	0.00	3	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	24	0	0.00	5	0	0.00	9	0	0.00	10	0	0.00			
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	6	0	0.00				2	0	0.00	4	0	0.00			
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	2.5	4	0	0.00				1	0	0.00	3	0	0.00			
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	25	0	0.00	6	0	0.00	9	0	0.00	10	0	0.00			
		Drinking Water	2.	25	0	0.00	6	0	0.00	9	0	0.00	10	0	0.00			
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.18	5	0	0.00				2	0	0.00	3	0	0.00			
		Drinking Water	2.	5	0	0.00				2	0	0.00	3	0	0.00			

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EPA Water Quality Criteria Analysis for Entire ARCH Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	0.18	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	2.	4	0	0.00				1	0	0.00	3	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	21	0	0.00	6	0	0.00	8	0	0.00	7	0	0.00			
		Drinking Water	3.	21	0	0.00	6	0	0.00	8	0	0.00	7	0	0.00			
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	24	0	0.00	5	0	0.00	9	0	0.00	10	0	0.00			
		Drinking Water	0.4	24	0	0.00	5	0	0.00	9	0	0.00	10	0	0.00			
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPL	Fresh Acute	0.52	5	0	0.00				2	0	0.00	3	0	0.00			
		Drinking Water	0.4	5	0	0.00				2	0	0.00	3	0	0.00			
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPL	Fresh Acute	0.52	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	0.4	4	0	0.00				1	0	0.00	3	0	0.00			
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	24	0	0.00	5	0	0.00	9	0	0.00	10	0	0.00			
		Drinking Water	0.2	24	0	0.00	5	0	0.00	9	0	0.00	10	0	0.00			
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER	Fresh Acute	0.52	5	0	0.00				2	0	0.00	3	0	0.00			
		Drinking Water	0.2	5	0	0.00				2	0	0.00	3	0	0.00			
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER	Fresh Acute	0.52	4	0	0.00				1	0	0.00	3	0	0.00			
		Drinking Water	0.2	4	0	0.00				1	0	0.00	3	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	20	0	0.00	6	0	0.00	8	0	0.00	6	0	0.00			
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	17	0	0.00	3	0	0.00	8	0	0.00	6	0	0.00			
39542	PARATHION IN FILT. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	6	0	0.00				2	0	0.00	4	0	0.00			
39543	PARATHION IN SUSP. FRAC. OF WATER SAMPLE	Fresh Acute	0.065	3	0	0.00				1	0	0.00	2	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00			
39632	ATRAZINE DISSOLVED IN WATER	Drinking Water	3.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	20	0	0.00	6	0	0.00	6	0	0.00	8	0	0.00			
39732	2,4-D IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	70.	4	0	0.00				2	0	0.00	2	0	0.00			
39733	2,4-D IN SUSP. FRAC. OF WATER SAMPLE	Drinking Water	70.	5	0	0.00				2	0	0.00	3	0	0.00			
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	20	0	0.00	6	0	0.00	6	0	0.00	8	0	0.00			
39762	SILVEX IN FILT. FRAC. OF WATER SAMPLE	Drinking Water	50.	4	0	0.00				2	0	0.00	2	0	0.00			
39763	SILVEX IN SUSP. FRAC. OF WATER SAMPLE	Drinking Water	50.	5	0	0.00				2	0	0.00	3	0	0.00			
46342	ALACHLOR (LASSO), WATER, DISSOLVED	Drinking Water	2.	1	0	0.00							1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	137 &	136	0.99	40	39	0.98	57	57	1.00	25	25	1.00	15	15	1.00
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	303	0	0.00	79	0	0.00	113	0	0.00	65	0	0.00	46	0	0.00
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1237	0	0.00	284	0	0.00	586	0	0.00	203	0	0.00	164	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	3	3	1.00	2	2	1.00	1	1	1.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	262	1	0.00	68	0	0.00	122	0	0.00	58	1	0.02	14	0	0.00
		Drinking Water	2.	262	1	0.00	68	0	0.00	122	0	0.00	58	1	0.02	14	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	17	0	0.00	4	0	0.00	9	0	0.00	4	0	0.00			
		Drinking Water	2.	17	0	0.00	4	0	0.00	9	0	0.00	4	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	152	1	0.01	88	0	0.00	48	1	0.02	8	0	0.00	8	0	0.00
		Drinking Water	2.	152	1	0.01	88	0	0.00	48	1	0.02	8	0	0.00	8	0	0.00
77093	CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	Drinking Water	70.	4	0	0.00	4	0	0.00									
77128	STYRENE, WHOLE WATER	Drinking Water	100.	4	0	0.00	4	0	0.00									
77651	1,2-DIBROMOETHANE, WHOLE WATER	Drinking Water	0.05	0 &	0	0.00												
81287	DNBP(C10H12N2O5), WHOLE WATER SAMPLE	Drinking Water	7.	2	0	0.00	1	0	0.00				1	0	0.00			
81405	CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00	1	0	0.00									
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	360.	403	0	0.00	101	0	0.00	179	0	0.00	84	0	0.00	39	0	0.00
		Drinking Water	50.	403	0	0.00	101	0	0.00	179	0	0.00	84	0	0.00	39	0	0.00
82703	BARIUM, FIELD ACIDIFIED, DECANTED, WATER	Drinking Water	2.	383	0	0.00	98	0	0.00	168	0	0.00	80	0	0.00	37	0	0.00
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WA	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	3.9	369	21	0.06	91	6	0.07	165	8	0.05	79	6	0.08	34	1	0.03
		Drinking Water	5.	369	12	0.03	91	4	0.04	165	2	0.01	79	6	0.08	34	0	0.00
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WAT	Drinking Water	100.	393	1	0.00	94	1	0.01	175	0	0.00	84	0	0.00	40	0	0.00
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	18.	410	53	0.13	100	17	0.17	185	15	0.08	84	15	0.18	41	6	0.15
		Drinking Water	1300.	410	0	0.00	100	0	0.00	185	0	0.00	84	0	0.00	41	0	0.00
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	82.	372	0	0.00	91	0	0.00	166	0	0.00	80	0	0.00	35	0	0.00
		Drinking Water	15.	372	61	0.16	91	16	0.18	166	10	0.06	80	25	0.31	35	10	0.29
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATE	Fresh Acute	2.4	428	1	0.00	104	0	0.00	193	1	0.01	89	0	0.00	42	0	0.00
		Drinking Water	2.	428	1	0.00	104	0	0.00	193	1	0.01	89	0	0.00	42	0	0.00
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	1400.	196	0	0.00	40	0	0.00	95	0	0.00	38	0	0.00	23	0	0.00
		Drinking Water	100.	196	1	0.01	40	0	0.00	95	0	0.00	38	1	0.03	23	0	0.00
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	4.1	361 &	23	0.06	90	5	0.06	154	8	0.05	79	6	0.08	38	4	0.11
		Drinking Water	100.	373	0	0.00	91	0	0.00	165	0	0.00	79	0	0.00	38	0	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 ARCH Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/31 Obs	10/15-3/31 Exceed	10/15-3/31 Prop.	4/01-5/31 Obs	4/01-5/31 Exceed	4/01-5/31 Prop.	6/01-7/14 Obs	6/01-7/14 Exceed	6/01-7/14 Prop.
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER	Fresh Acute	120.	416	14	0.03	105	5	0.05	186	3	0.02	84	5	0.06	41	1	0.02
		Drinking Water	5000.	416	1	0.00	105	0	0.00	186	1	0.01	84	0	0.00	41	0	0.00

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

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

There are STORET Data for Every Level I I&M Parameter Group Within the ARCH 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 ARCH Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	2423	650	577	1196	80	
00440	BICARBONATE ION (MG/L AS HCO3)	2553	551	522	1480	67	
00445	CARBONATE ION (MG/L AS CO3)	1118	537	204	377	56	
		6094	1738	1303	3053	203	(94)[1]

pH		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00400	PH (STANDARD UNITS)	2372	677	684	1011	115	
00403	PH, LAB (STANDARD UNITS)	159	89	69	1	16	
00406	PH, FIELD (STANDARD UNITS)	1113	797	316	0	89	
		3644	1563	1069	1012	220	(171)[1]

Conductivity		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	1082	771	311	0	75	
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	3342	734	1028	1580	135	
00480	SALINITY - PARTS PER THOUSAND	9	4	5	0	9	
		4433	1509	1344	1580	219	(169)[1]

Dissolved Oxygen		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	21	8	13	0	20	
00300	OXYGEN, DISSOLVED (MG/L)	1398	769	568	61	50	
		1419	777	581	61	70	(70)[1]

Water Temperature		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	2728	1092	1107	529	164	
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	3	0	3	0	2	
		2731	1092	1110	529	166	(165)[1]

Flow		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00058	FLOW RATE, GALLONS/MIN.	46	41	4	1	12	
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	16	6	0	10	12	
00060	FLOW, STREAM, MEAN DAILY CFS	2192	0	25	2167	5	
00061	FLOW, STREAM, INSTANTANEOUS CFS	1507	547	802	158	54	
00065	STAGE, STREAM (FEET)	29	13	16	0	1	
		3790	607	847	2336	84	(69)[1]

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Clarity/Turbidity		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00070	TURBIDITY, (JACKSON CANDLE UNITS)	126	0	103	23	3	
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	999	564	435	0	52	
00078	TRANSPARENCY, SECCHI DISC (METERS)	11	11	0	0	1	
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	1100	625	436	39	48	
		2236	1200	974	62	104	(55)[1]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00600	NITROGEN, TOTAL (MG/L AS N)	194	0	171	23	3	
00602	NITROGEN, DISSOLVED (MG/L AS N)	19	0	19	0	1	
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	179	0	160	19	3	
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	19	0	19	0	1	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	106	67	39	0	2	
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1159	573	567	19	46	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	167	46	1	120	7	
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	556	241	312	3	72	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	36	4	32	0	1	
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	884	323	538	23	40	
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	575	105	447	23	31	
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	483	362	85	36	39	
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	38	0	38	0	3	
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	40	4	36	0	2	
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	303	0	0	303	1	
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	1237	0	2	1235	14	
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	3	0	0	3	1	
		5998	1725	2466	1807	267	(120)[1]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	8	0	5	3	3	
00655	PHOSPHATE, POLY (MG/L AS PO4)	67	64	3	0	8	
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	72	0	17	55	9	
00665	PHOSPHORUS, TOTAL (MG/L AS P)	1071	515	533	23	41	
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	387	303	84	0	38	
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	186	121	34	31	7	
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12	12	0	0	1	
		1803	1015	676	112	107	(65)[1]

Chlorophyll		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	12	12	0	0	1	
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	2	0	2	0	1	
		14	12	2	0	2	(2)[1]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
00900	HARDNESS, TOTAL (MG/L AS CACO3)	2667	601	615	1451	95	
00945	SULFATE, TOTAL (MG/L AS SO4)	1972	245	254	1473	81	
00946	SULFATE, DISSOLVED (MG/L AS SO4)	892	512	379	1	50	
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	2450	699	723	1028	74	
		7981	2057	1971	3953	300	(133)[1]

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Bacteria		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	68	64	4	0	8	
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	349	112	237	0	21	
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	344	113	231	0	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	58	48	8	2	9	
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	105	37	68	0	2	
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	88	38	50	0	1	
		1013	412	599	2	62	(31)[1]

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Toxic Elements		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	28	28	0	0	4
01097	ANTIMONY, TOTAL (UG/L AS SB)	107	100	7	0	34
01000	ARSENIC, DISSOLVED (UG/L AS AS)	389	243	138	8	56
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	403	186	217	0	29
01001	ARSENIC, SUSPENDED (UG/L AS AS)	17	0	16	1	1
01002	ARSENIC, TOTAL (UG/L AS AS)	150	119	30	1	39
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	68	57	11	0	5
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	1	1	0	0	1
01012	BERYLLIUM, TOTAL (UG/L AS BE)	100	100	0	0	32
01025	CADMIUM, DISSOLVED (UG/L AS CD)	408	229	154	25	43
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	369	168	201	0	27
01026	CADMIUM, SUSPENDED (UG/L AS CD)	12	0	11	1	1
01027	CADMIUM, TOTAL (UG/L AS CD)	151	111	39	1	39
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	424	227	173	24	69
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	393	186	207	0	29
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	18	0	17	1	1
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	223	7	216	0	22
01034	CHROMIUM, TOTAL (UG/L AS CR)	154	114	39	1	41
01040	COPPER, DISSOLVED (UG/L AS CU)	465	230	204	31	77
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	410	186	224	0	30
01041	COPPER, SUSPENDED (UG/L AS CU)	20	0	19	1	1
01042	COPPER, TOTAL (UG/L AS CU)	224	176	43	5	50
01049	LEAD, DISSOLVED (UG/L AS PB)	435	229	181	25	71
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	372	168	204	0	26
01050	LEAD, SUSPENDED (UG/L AS PB)	17	0	16	1	1
01051	LEAD, TOTAL (UG/L AS PB)	155	111	39	5	41
71890	MERCURY, DISSOLVED (UG/L AS HG)	262	230	31	1	27
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	428	168	260	0	31
71895	MERCURY, SUSPENDED (UG/L AS HG)	17	0	17	0	1
71900	MERCURY, TOTAL (UG/L AS HG)	152	116	32	4	39
01065	NICKEL, DISSOLVED (UG/L AS NI)	200	70	129	1	50
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	196	19	177	0	16
01066	NICKEL, SUSPENDED (UG/L AS NI)	8	0	8	0	1
01067	NICKEL, TOTAL (UG/L AS NI)	141	103	38	0	40
01145	SELENIUM, DISSOLVED (UG/L AS SE)	396	248	141	7	54
01146	SELENIUM, SUSPENDED (UG/L AS SE)	21	0	20	1	1
01147	SELENIUM, TOTAL (UG/L AS SE)	153	119	29	5	40
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	408	186	222	0	29
01075	SILVER, DISSOLVED (UG/L AS AG)	335	235	100	0	39
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	373	168	205	0	29
01076	SILVER, SUSPENDED (UG/L AS AG)	12	0	12	0	1
01077	SILVER, TOTAL (UG/L AS AG)	160	111	49	0	37
01057	THALLIUM, DISSOLVED (UG/L AS TL)	27	27	0	0	3
01059	THALLIUM, TOTAL (UG/L AS TL)	5	5	0	0	3
01090	ZINC, DISSOLVED (UG/L AS ZN)	460	224	210	26	71
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	416	185	231	0	30
01091	ZINC, SUSPENDED (UG/L ZN)	20	0	19	1	1
01092	ZINC, TOTAL (UG/L AS ZN)	78	19	54	5	14
00720	CYANIDE, TOTAL (MG/L AS CN)	24	0	24	0	2
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	1	0	0	1
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	4	4	0	0	4
32104	BROMOFORM, WHOLE WATER, (UG/L)	4	4	0	0	4
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	4	4	0	0	4
34301	CHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	4
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	4	4	0	0	4

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Toxic Elements - Continued ...		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34311	CHLOROETHANE, TOTAL (UG/L)	4	4	0	0	4
32106	CHLOROFORM, WHOLE WATER (UG/L)	4	4	0	0	4
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	4	4	0	0	4
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	4	4	0	0	4
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	4	4	0	0	4
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	4	4	0	0	4
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	4	4	0	0	4
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	4	4	0	0	4
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	4	4	0	0	4
34413	METHYL BROMIDE, TOTAL (UG/L)	4	4	0	0	4
34418	METHYL CHLORIDE, TOTAL (UG/L)	4	4	0	0	4
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	4	4	0	0	4
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	4	4	0	0	4
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	4	4	0	0	4
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	4	4	0	0	4
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	4	4	0	0	4
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	4	4	0	0	4
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	4	4	0	0	4
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	4	4	0	0	4
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	4	4	0	0	4
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	4
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	4
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	4
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	4	4	0	0	4
34696	NAPHTHALENE, TOTAL (UG/L)	4	4	0	0	4
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	4	4	0	0	4
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	24	5	14	5	2
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	5	0	0	5	1
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	4	0	0	4	1
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	1	1	0	0	1
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	5	5	0	0	1
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	5	5	0	0	1
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	24	6	14	4	2
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	6	1	0	5	1
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	3	0	0	3	1
46323	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	5	5	0	0	1
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	24	5	14	5	2
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	5	0	0	5	1
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	4	0	0	4	1
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	1
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	19	0	14	5	1
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1
34653	P,P'-DDE, DISSOLVED (UG/L)	1	1	0	0	1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	1
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	19	0	14	5	1
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	5	5	0	0	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	19	0	14	5	1
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	5	0	0	5	1
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	24	5	14	5	2
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	6	1	0	5	1
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1

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Toxic Elements - Continued ...		Total Obs.	01/01/85 to 12/21/99	01/01/75 to 12/31/84	Before 01/01/75	Total Stations	
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	5	5	0	0	1	
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	5	5	0	0	1	
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	5	5	0	0	1	
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	25	6	14	5	2	
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	24	5	14	5	2	
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	5	0	0	5	1	
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	4	0	0	4	1	
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	24	5	14	5	2	
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	5	0	0	5	1	
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	4	0	0	4	1	
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	4	0	0	1	
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	6	5	1	0	2	
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	4	4	0	0	1	
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	4	0	0	1	
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	4	0	0	1	
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	4	0	0	1	
34671	PCB - 1016, TOTAL (UG/L)	4	4	0	0	1	
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	21	6	14	1	2	
		10345	5455	4569	321	1512	(135)[1]

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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	6094	1738	28.5	94	51.4	64.8	10/01/28-12/21/99	85.6
pH	3644	1563	42.9	171	93.4	21.3	10/11/45-12/21/99	67.2
Conductivity	4433	1509	34.0	169	92.3	26.2	10/01/35-12/21/99	69.0
Dissolved Oxygen	1419	777	54.8	70	38.3	20.3	10/15/70-12/09/99	48.7
Water Temperature	2731	1092	40.0	165	90.2	16.6	04/02/53-12/21/99	58.5
Flow	3790	607	16.0	69	37.7	54.9	10/01/28-12/21/99	53.2
Clarity/Turbidity	2236	1200	53.7	55	30.1	40.7	07/09/71-12/21/99	78.6
Nitrate/Nitrogen	5998	1725	28.8	120	65.6	50.0	10/01/28-12/21/99	84.2
Phosphate/Phosphorus	1803	1015	56.3	65	35.5	27.7	02/09/67-12/21/99	54.9
Chlorophyll	14	12	85.7	2	1.1	7.0	03/19/75-08/05/99	0.6
Sulfates/Total Dissolved Solids/Hardness	7981	2057	25.8	133	72.7	60.0	10/01/28-12/21/99	112.1
Bacteria	1013	412	40.7	31	16.9	32.7	10/22/74-12/09/99	40.3
Toxic Elements	10345	5455	52.7	135	73.8	76.6	04/01/64-12/21/99	289.6

Water Quality Observations
Outside STORET Edit Criteria for ARCH

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ARCH0009	00310	BOD, 5 DAY, 20 DEG C MG/L	760331	1500	171.0000000	21UTAH	495587	
ARCH0009	00405	CARBON DIOXIDE (MG/L AS CO2)	750507	0800	138.0000000	21UTAH	495587	
ARCH0009	00405	CARBON DIOXIDE (MG/L AS CO2)	750507	0800	138.0000000	21UTAH	495587	
ARCH0009	00405	CARBON DIOXIDE (MG/L AS CO2)	750902	0800	155.0000000	21UTAH	495587	
ARCH0009	00405	CARBON DIOXIDE (MG/L AS CO2)	750902	0800	155.0000000	21UTAH	495587	
ARCH0009	00405	CARBON DIOXIDE (MG/L AS CO2)	760331	0800	177.0000000	21UTAH	495587	
ARCH0009	00405	CARBON DIOXIDE (MG/L AS CO2)	760331	0800	177.0000000	21UTAH	495587	
ARCH0009	00935	POTASSIUM, DISSOLVED (MG/L AS K)	760331	0800	248.0000000	21UTAH	495587	
ARCH0009	00935	POTASSIUM, DISSOLVED (MG/L AS K)	761006	0800	450.0000000	21UTAH	495587	
ARCH0009	00935	POTASSIUM, DISSOLVED (MG/L AS K)	770317	0830	500.0000000	21UTAH	495587	
ARCH0015	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	990812	0930	3560.0000000	21UTAH	495595	
ARCH0034	00405	CARBON DIOXIDE (MG/L AS CO2)	760331	0800	149.0000000	21UTAH	495654	
ARCH0034	00405	CARBON DIOXIDE (MG/L AS CO2)	760331	0800	149.0000000	21UTAH	495654	
ARCH0039	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	760510	1300	72.0000000	112WRD	09183210	X
ARCH0041	01049	LEAD, DISSOLVED (UG/L AS PB)	780623		1161.0000000	11NPSWRD	ARCH_NURE_25	
ARCH0042	00300	OXYGEN, DISSOLVED MG/L	980625	0728	58.0000000	21UTAH	495655	
ARCH0042	00405	CARBON DIOXIDE (MG/L AS CO2)	760615	0800	110.0000000	21UTAH	495655	
ARCH0042	00405	CARBON DIOXIDE (MG/L AS CO2)	760615	0800	110.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	750128	0800	23.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	760331	0800	23.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	770223	1530	24.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	780119	0830	23.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	780216	1730	23.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	790110	1655	34.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	800226	1740	22.7000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	800430	1730	29.4000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	800813	1400	23.2000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	810609	2030	32.3000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	820406	1940	40.8000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	820713	1915	26.3000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	821229	1310	20.6000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	850604	1205	22.4000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	851219	0730	40.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	860212	1845	25.0000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	891207	0800	21.1000000	21UTAH	495655	
ARCH0042	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980506	1606	28.4000000	21UTAH	495655	
ARCH0042	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	770615	0800	7.5000000	21UTAH	495655	
ARCH0042	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	790315	0815	17.5000000	21UTAH	495655	
ARCH0042	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	791108	0800	12.7500000	21UTAH	495655	
ARCH0042	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	870114	1445	15.5000000	21UTAH	495655	
ARCH0042	00665	PHOSPHORUS, TOTAL (MG/L AS P)	770818	0900	33.3000000	21UTAH	495655	

Water Quality Observations
Outside STORET Edit Criteria for ARCH

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ARCH0042	00665	PHOSPHORUS, TOTAL (MG/L AS P)	771013	1800	12.5000000	21UTAH	495655	
ARCH0042	00665	PHOSPHORUS, TOTAL (MG/L AS P)	790110	1655	10.8000000	21UTAH	495655	
ARCH0042	00665	PHOSPHORUS, TOTAL (MG/L AS P)	860326	0645	10.8500000	21UTAH	495655	
ARCH0042	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	851219	0730	9.5000000	21UTAH	495655	
ARCH0058	01049	LEAD, DISSOLVED (UG/L AS PB)	780625		1046.0000000	11NPSWRD	ARCH_NURE_22	
ARCH0071	01049	LEAD, DISSOLVED (UG/L AS PB)	780623		1315.0000000	11NPSWRD	ARCH_NURE_17	
ARCH0073	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	970107	1503	2916.0000000	21UTAH	495657	
ARCH0073	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	970403	0854	1853.0000000	21UTAH	495657	
ARCH0073	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	970515	1509	3751.0000000	21UTAH	495657	
ARCH0073	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	980115	0847	5053.0000000	21UTAH	495657	
ARCH0073	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	980218	1346	2398.0000000	21UTAH	495657	
ARCH0073	00440	BICARBONATE ION (MG/L AS HCO3)	950921	1011	724.0000000	21UTAH	495657	
ARCH0073	00440	BICARBONATE ION (MG/L AS HCO3)	951207	1015	762.0000000	21UTAH	495657	
ARCH0073	00440	BICARBONATE ION (MG/L AS HCO3)	960118	0926	764.0000000	21UTAH	495657	
ARCH0073	00440	BICARBONATE ION (MG/L AS HCO3)	960228	1246	782.0000000	21UTAH	495657	
ARCH0073	00440	BICARBONATE ION (MG/L AS HCO3)	970107	1503	690.0000000	21UTAH	495657	
ARCH0073	00440	BICARBONATE ION (MG/L AS HCO3)	970213	0755	956.0000000	21UTAH	495657	
ARCH0073	00440	BICARBONATE ION (MG/L AS HCO3)	980115	0847	946.0000000	21UTAH	495657	
ARCH0073	00440	BICARBONATE ION (MG/L AS HCO3)	980218	1346	930.0000000	21UTAH	495657	
ARCH0073	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	951207	1015	16200.0000000	21UTAH	495657	
ARCH0073	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	960118	0926	29340.0000000	21UTAH	495657	
ARCH0073	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	960228	1246	12910.0000000	21UTAH	495657	
ARCH0073	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	970403	0854	15940.0000000	21UTAH	495657	
ARCH0073	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	970626	1053	38340.0000000	21UTAH	495657	
ARCH0073	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	980218	1346	77940.0000000	21UTAH	495657	
ARCH0073	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	950921	1011	300.0000000	21UTAH	495657	
ARCH0073	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	951207	1015	220.0000000	21UTAH	495657	
ARCH0073	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970107	1503	63.2000000	21UTAH	495657	
ARCH0073	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	970213	0755	458.0000000	21UTAH	495657	
ARCH0073	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980115	0847	83.3000000	21UTAH	495657	
ARCH0073	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	980218	1346	86.4000000	21UTAH	495657	
ARCH0073	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	950921	1011	303.6300000	21UTAH	495657	
ARCH0073	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	951207	1015	249.5400000	21UTAH	495657	
ARCH0073	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	960228	1246	256.3200000	21UTAH	495657	
ARCH0073	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	960905	0845	296.4100000	21UTAH	495657	
ARCH0073	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	970107	1503	73.4380000	21UTAH	495657	
ARCH0073	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	970213	0755	551.1000000	21UTAH	495657	
ARCH0073	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	951207	1015	129.3200000	21UTAH	495657	
ARCH0073	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	960228	1246	136.1200000	21UTAH	495657	
ARCH0073	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	960905	0845	77.2500000	21UTAH	495657	
ARCH0073	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	970213	0755	82.6500000	21UTAH	495657	

Water Quality Observations
Outside STORET Edit Criteria for ARCH

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ARCH0073	00665	PHOSPHORUS, TOTAL (MG/L AS P)	960228	1246	13.7830000	21UTAH	495657	
ARCH0073	00665	PHOSPHORUS, TOTAL (MG/L AS P)	980218	1346	44.6000000	21UTAH	495657	
ARCH0073	00930	SODIUM, DISSOLVED (MG/L AS NA)	960228	1246	8900.0000000	21UTAH	495657	
ARCH0073	00946	SULFATE, DISSOLVED (MG/L AS SO4)	950921	1011	4507.2000000	21UTAH	495657	
ARCH0073	00946	SULFATE, DISSOLVED (MG/L AS SO4)	951207	1015	5152.4000000	21UTAH	495657	
ARCH0073	00946	SULFATE, DISSOLVED (MG/L AS SO4)	960118	0926	3881.0000000	21UTAH	495657	
ARCH0073	00946	SULFATE, DISSOLVED (MG/L AS SO4)	960228	1246	5064.3000000	21UTAH	495657	
ARCH0073	00946	SULFATE, DISSOLVED (MG/L AS SO4)	960905	0845	7168.4000000	21UTAH	495657	
ARCH0073	00946	SULFATE, DISSOLVED (MG/L AS SO4)	970213	0755	7718.1000000	21UTAH	495657	
ARCH0073	01056	MANGANESE, DISSOLVED (UG/L AS MN)	970213	0755	5600.0000000	21UTAH	495657	
ARCH0073	01501	ALPHA, TOTAL	950921	1011	298.0000000	21UTAH	495657	
ARCH0073	01501	ALPHA, TOTAL	951207	1015	201.0000000	21UTAH	495657	
ARCH0073	01501	ALPHA, TOTAL	960228	1246	900.0000000	21UTAH	495657	
ARCH0073	01501	ALPHA, TOTAL	960905	0845	997.0000000	21UTAH	495657	
ARCH0073	01503	ALPHA, DISSOLVED	970107	1503	467.1000000	21UTAH	495657	
ARCH0073	01503	ALPHA, DISSOLVED	970213	0755	1251.5000000	21UTAH	495657	
ARCH0073	01503	ALPHA, DISSOLVED	970515	1509	161.7100000	21UTAH	495657	
ARCH0073	01503	ALPHA, DISSOLVED	970626	1053	113.0000000	21UTAH	495657	
ARCH0073	01503	ALPHA, DISSOLVED	980115	0847	802.0000000	21UTAH	495657	
ARCH0073	01503	ALPHA, DISSOLVED	980218	1346	913.0000000	21UTAH	495657	
ARCH0073	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	950921	1011	7446.0000000	21UTAH	495657	
ARCH0073	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	951207	1015	8820.0000000	21UTAH	495657	
ARCH0073	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	960118	0926	7536.0000000	21UTAH	495657	
ARCH0073	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	960228	1246	8380.0000000	21UTAH	495657	
ARCH0073	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	960905	0845	13016.0000000	21UTAH	495657	
ARCH0073	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	970213	0755	12210.0000000	21UTAH	495657	
ARCH0073	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	980115	0847	4394.0000000	21UTAH	495657	
ARCH0073	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	980218	1346	4508.0000000	21UTAH	495657	
ARCH0074	01034	CHROMIUM, TOTAL (UG/L AS CR)	760318	0930	2300.0000000	1118EPA8	UT-0000060-2	
ARCH0074	01055	MANGANESE, TOTAL (UG/L AS MN)	770127	0845	7400.0000000	1118EPA8	UT-0000060-2	
ARCH0074	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	760714	1030	10440.0000000	1118EPA8	UT-0000060-2	
ARCH0074	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	770127	0845	9790.0000000	1118EPA8	UT-0000060-2	
ARCH0074	71900	MERCURY, TOTAL (UG/L AS HG)	760211	0935	17.0000000	1118EPA8	UT-0000060-2	
ARCH0081	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	780411	1400	1050.0000000	21UTAH	495700	
ARCH0081	00335	COD, .025N K2CR2O7 MG/L	760805	0750	9999.0000000	21UTAH	495700	
ARCH0081	00405	CARBON DIOXIDE (MG/L AS CO2)	750507	0800	166.0000000	21UTAH	495700	
ARCH0081	00405	CARBON DIOXIDE (MG/L AS CO2)	750507	0800	166.0000000	21UTAH	495700	
ARCH0081	00405	CARBON DIOXIDE (MG/L AS CO2)	760520	0830	149.0000000	21UTAH	495700	
ARCH0081	00405	CARBON DIOXIDE (MG/L AS CO2)	760520	0830	149.0000000	21UTAH	495700	
ARCH0082	00300	OXYGEN, DISSOLVED MG/L	741212	0920	160.0000000	112WRD	09182880	X
ARCH0086	00400	PH (STANDARD UNITS)	790925	0845	86.0000000	21UTAH	495715	X

Water Quality Observations
Outside STORET Edit Criteria for ARCH

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NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
ARCH0114	01049	LEAD, DISSOLVED (UG/L AS PB)	780621		1790.0000000	11NPSWRD	ARCH_NURE_27	
ARCH0118	00335	COD, .025N K2CR2O7 MG/L	770725	1130	1155.0000000	21UTAH	495800	
ARCH0147	01049	LEAD, DISSOLVED (UG/L AS PB)	780621		2806.0000000	11NPSWRD	ARCH_NURE_30	
ARCH0150	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	970918	1530	1046.0000000	21UTAH	495828	
ARCH0150	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	980521	1013	5357.0000000	21UTAH	495828	
ARCH0154	01049	LEAD, DISSOLVED (UG/L AS PB)	780622		1493.0000000	11NPSWRD	ARCH_NURE_14	
ARCH0161	00946	SULFATE, DISSOLVED (MG/L AS SO4)	981120	1115	2672.1000000	21UTAH	599523	
ARCH0161	00946	SULFATE, DISSOLVED (MG/L AS SO4)	990218	0800	3041.0000000	21UTAH	599523	
ARCH0161	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	981120	1115	5420.0000000	21UTAH	599523	
ARCH0162	01145	SELENIUM, DISSOLVED (UG/L AS SE)	700916		102.0000000	112WRD	384417109302001	
ARCH0162	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	700916		5560.0000000	112WRD	384417109302001	
ARCH0163	01055	MANGANESE, TOTAL (UG/L AS MN)	890515	1000	8000.0000000	11NPSWRD	ARCH_NPS_599523	
ARCH0163	01055	MANGANESE, TOTAL (UG/L AS MN)	900503	1045	17200.0000000	11NPSWRD	ARCH_NPS_599523	
ARCH0164	00945	SULFATE, TOTAL (MG/L AS SO4)	830810		7320.0000000	11NPSWRD	ARCH_BLM_STW5	
ARCH0170	00945	SULFATE, TOTAL (MG/L AS SO4)	830810		7320.0000000	11NPSWRD	ARCH_BLM_STW6	
ARCH0176	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	780322	1700	1200.0000000	21UTAH	495850	
ARCH0176	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	780518	1400	1025.0000000	21UTAH	495850	
ARCH0176	00405	CARBON DIOXIDE (MG/L AS CO2)	760520	1030	114.0000000	21UTAH	495850	
ARCH0176	00405	CARBON DIOXIDE (MG/L AS CO2)	760520	1030	114.0000000	21UTAH	495850	
ARCH0177	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	590514	1930	5315.6000000	112WRD	09180500	X
ARCH0177	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	590819	2245	3304.4000000	112WRD	09180500	X
ARCH0177	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	820825	1000	5000.0000000	112WRD	09180500	
ARCH0177	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	830427	1100	1700.0000000	112WRD	09180500	
ARCH0177	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	900725	0930	1100.0000000	112WRD	09180500	
ARCH0177	01020	BORON, DISSOLVED (UG/L AS B)	590501		11000.0000000	112WRD	09180500	
ARCH0177	01045	IRON, TOTAL (UG/L AS FE)	820825	1000	57000.0000000	112WRD	09180500	
ARCH0178	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	770915	1000	10500.0000000	21UTAH	495849	
ARCH0178	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	771110	0830	1050.0000000	21UTAH	495849	
ARCH0178	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	830803	1010	7979.0000000	21UTAH	495849	
ARCH0178	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	970828	1501	2689.0000000	21UTAH	495849	
ARCH0178	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	980407	1425	1015.0000000	21UTAH	495849	
ARCH0178	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	980730	0958	6153.0000000	21UTAH	495849	
ARCH0178	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	980915	1805	3235.0000000	21UTAH	495849	
ARCH0178	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	981028	1830	1849.0000000	21UTAH	495849	
ARCH0178	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	890727	0930	10130.0000000	21UTAH	495849	
ARCH0178	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	900417	1750	50.0000000	21UTAH	495849	

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) ARCHTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) ARCHSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) ARCHAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) ARCHAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) ARCHOV0.DOC - Overview of park and retrieved data.

(e) ARCHOV1.DOC - Station period of record table.

(f) ARCHOV2.DOC - Parameter period of record table.

(g) ARCHOV3.DOC - Station/parameter period of record table.

(h) ARCHINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) ARCHSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) ARCHEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) ARCHIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) ARCHBAD.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 ARCHOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\ARCHOV1.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) ARCHFIGS.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 ARCH0001. 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 ARCH0001) 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) ARCHPARM.ZIP

This file compresses ARCHPARM.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) ARCHSITE.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) ARCHWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) ARCHIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) ARCHDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) ARCHGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) ARCHDAMS.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) ARCHMISC.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) ARCHEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) ARCHTOC.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) ARCHREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) ARCHWQ - 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 (ARCHWQA, ARCHWQB, ARCHWQC, etc.) and the index map name will end with an ampersand (&).

(g) ARCHIDG - 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 (ARCHIDGA, ARCHIDGB, ARCHIDGC, 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) ARCHSEHY - 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 ARCHFIGS.ZIP and ARCHTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in ARCHMISC.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) ARCHRF3.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) ARCHWQMW.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: ARCHPARM.DBF in ARCHPARM.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: ARCHPARM.DBF in ARCHPARM.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: ARCHPARM.DBF in ARCHPARM.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: ARCHWQ.DBF in ARCHSITE.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: ARCHWQ.DBF in ARCHSITE.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: ARCHIFD.DBF in ARCHSITE.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: ARCHIFD.DBF in ARCHSITE.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: ARCHIFD.DBF in ARCHSITE.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: ARCHDRIN.DBF in ARCHSITE.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: ARCHDRIN.DBF in ARCHSITE.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: ARCHDRIN.DBF in ARCHSITE.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: ARCHGAGE.DBF in ARCHSITE.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: ARCHGAGE.DBF in ARCHSITE.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: ARCHDAMS.DBF in ARCHSITE.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: ARCHDAMS.DBF in ARCHSITE.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: ARCHDAMS.DBF in ARCHSITE.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: ARCHDAMS.DBF in ARCHSITE.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 ARCHRF3.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 ARCHRF3.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 ARCHRF3.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 ARCHRF3.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 ARCHRF3.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 ARCHRF3.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
7440382	82702	360	50	69		ARSENIC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440393	82703		2			BARIUM, FIELD ACIDIFIED, DECANTED, WATER	MG/L	Metal
7440417	82704	130*	4.0			BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440439	82705	3.9+	5.0	43		CADMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440473	82706		100			CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440508	82708	18+	1300[a]	2.9		COPPER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439921	82711	82+	15[a]	220		LEAD, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439976	82713	2.4	2.0	2.1		MERCURY, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440020	82715	1400+	100	75		NICKEL, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440224	82716	4.1+	100[s]	0.12		SILVER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440666	82719	120+	5000[s]	95		ZINC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal

Footnote Key:

*Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

+Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

***pH Dependent Criteria (7.8 pH Used).

=Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

^Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

#EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

!Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	**Flow Parameter Group[1]**	**C.A.S. Number**
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
STORET Code	**Conductivity Parameter Group**	**C.A.S. Number**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
STORET Code	**Dissolved Oxygen Parameter Group**	**C.A.S. Number**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
STORET Code	**pH Parameter Group**	**C.A.S. Number**
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440382
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440417
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440439
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440473
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440508
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439921
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439976
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440020
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440224
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440666
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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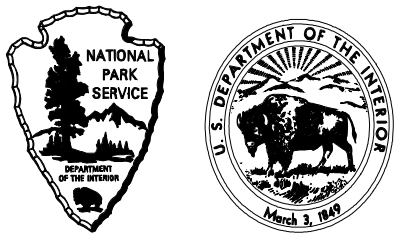
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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

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