Baseline Water Quality Data

Inventory and Analysis

Lassen Volcanic 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

LASSEN VOLCANIC NATIONAL PARK

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-99/244

OCTOBER 1999

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

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located no industrial/municipal dischargers; no drinking water intakes; six active or inactive U. S. Geological Survey (USGS) stream gages; and one water impoundment. The results of the STORET retrieval for the study area yielded 12,382 observations for 192 separate parameters collected by the NPS, USGS, EPA, and California Water Resources Control Board (CWRB) at 281 monitoring stations from 1901 through 1994[†]. Approximately 75 percent of the 12,382 observations within the study area were reported by the NPS from 1960 through 1994. Of the 281 monitoring stations, 218 stations were located within the park boundary (see Station Period of Record Tabulation). Two CWRB stations within the study area (none within the park boundary) were established but contained no data. One CWRB station within the study area (none within the park boundary) was established but did not contain data appropriate for statistical analysis.

Most of the monitoring stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Three NPS stations within the study area (two 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 two stations yielding the longer-term records within the park boundary are Manzanita Creek Lower Bridge (LAVO 0261) and East Side of Creek at Little Hot Springs Valley (LAVO 0234). The station yielding the longer-term record within the study area, but outside of the park boundary, is Upstream of Little Growler Hot Springs (LAVO 0227)[††].

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

[†]Of the 12,382 observations reported in the study area, 12 elevation values, entered in STORET by the CWRB, were dated 01/01/01. The thirteenth oldest observation in STORET for the LAVO study area was collected in 1956. Consequently, a more representative period of record for observations in the study area would be from 1956 through 1994.

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

the exceeded criteria in this report. The results of the LAVO water quality criteria screen found ten groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, chloride, chlorine, and arsenic exceeded their respective EPA criteria for the protection of freshwater aquatic life. Sulfate, chloride, arsenic, and barium exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (fecal coliform) and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively. Alkalinity was below the threshold used by the NPS Air Resources Division for determining potential sensitivity to acid deposition (buffering capacity).

Dissolved oxygen concentrations were measured 749 times at 135 monitoring stations from 1960 through 1993. Nineteen concentrations at seven stations within the park, near Reflection Lake (LAVO 0257, LAVO 0259, LAVO 0262, LAVO 0263), Horseshoe Lake (LAVO 0069), Butte Lake (LAVO 0012), and Boiling Springs Lake (LAVO 0105), were less than the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life from 1960 through 1993.

The pH was measured 1,018 times at 222 monitoring stations from 1956 through 1993. Two-hundred-fifteen observations at 95 stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1960 through 1993. Two-hundred-one observations were less than or equal to pH 6.5 and 14 observations were greater than or equal to pH 9.0. Of the 215 observations outside the criteria, 203 observations were reported at 85 stations within the park from 1960 through 1993. The highest pH of 9.7 SU was reported at an unnamed spring in the area of Growler and Morgan Hot Springs (LAVO 0226) in August 1979. The lowest pH of 1.7 SU was reported within the park at an unnamed spring in the northern section of Bumpass Hell (LAVO 0209) in July 1975.

Turbidity was measured 74 times at 33 monitoring stations from 1981 through 1988. One observation of 50 Jackson Candle Turbidity Units within the park in Reflection Lake (LAVO 0263) equaled the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units in August 1988.

Fecal coliform concentrations were measured 15 times in Manzanita Creek near the park boundary (LAVO 0274) from 1979 through 1981. Three observations, ranging from 230 Colony Forming Units per 100 milliliters (CFU/100 ml) to 350 CFU/100 ml, exceeded the WRD bathing water screening criterion of 200 Colony Forming Units/Most Probable Number per 100 milliliters during 1980 and 1981. The highest value of 350 CFU/100 ml was reported in August 1980 and September 1981.

Total alkalinity was determined by low-level (less than 10 mg/L as $CaCO_3$) gran analysis 11 times at 11 lake stations in October 1985. All eleven observations, ranging from 17.2 microequivalents per liter (µeq/L) to 190.8 µeq/L, were below the NPS Air Resources Division's 200 µeq/L threshold, indicating sensitivity to acid deposition. Seven of the 11 concentrations were reported at seven stations within the park (LAVO 0005, LAVO 0089, LAVO 0096, LAVO 0118, LAVO 0143, LAVO 0176, LAVO 0218), including the lowest value of 17.2 µeq/L in Shadow Lake (LAVO 0176).

Chloride concentrations (including dissolved and total) were measured 214 times at 137 monitoring stations from 1956 through 1987. Twenty dissolved concentrations at 15 spring stations in the area of Growler and Morgan Hot Springs exceeded the drinking water criterion of 250 mg/L and the acute freshwater criterion of 860 mg/L from 1975 through 1979. The highest concentration of 2,370 mg/L was reported at two stations near Growler Hot Springs (LAVO 0203, LAVO 0212) in August 1979 and August 1976, respectively.

Free available chlorine concentrations were measured 22 times at two monitoring stations within the park at Reflection Lake outlets (LAVO 0237, LAVO 0259) during 1986. Five concentrations, ranging from 0.1 mg/L to 0.2 mg/L at the two stations, exceeded the acute freshwater criterion of 0.019 mg/L during June and July 1986. The highest concentration of 0.2 mg/L was reported twice at Reflection Lake Outlet No. 4 (LAVO 0257) in June and July 1986.

Sulfate concentrations (including dissolved and total as SO_4 and whole water as S) were measured 222 times at 119 monitoring stations from 1956 through 1988. Twenty-one dissolved concentrations at 16 stations within the

park exceeded the drinking water criterion of 250 mg/L from 1975 through 1979. The highest concentration of 938 mg/L was reported at two stations in Sulfur Works (LAVO 0247, LAVO 0250) in July 1975.

Arsenic concentrations (including dissolved and total) were measured 22 times at 16 monitoring stations from 1964 through 1981. Eleven dissolved concentrations, ranging from 9,200 micrograms per liter (µg/L) to 24,300 µg/L at eight spring stations in the area of Growler and Morgan Hot Springs (LAVO 0203, LAVO 0212, LAVO 0213, LAVO 0225, LAVO 0227, LAVO 0230, LAVO 0236, LAVO 0239), exceeded the drinking water criterion of 50 µg/L and the acute freshwater criterion of 360 µg/L from 1975 through 1979. The highest concentration of 24,300 µg/L was reported at a spring across from Little Growler Hot Spring (LAVO 0239) in July 1975.

Barium concentrations (including dissolved and total) were measured 30 times at 19 monitoring stations from 1975 through 1981. Seven dissolved concentrations, ranging from 2,000 µg/L to 3,100 µg/L at seven spring stations, in the area of Growler and Morgan Hot Springs (LAVO 0203, LAVO 0212, LAVO 0213, LAVO 0225, LAVO 0227) and within the park in Little Hot Springs Valley (LAVO 0223) and Sulphur Works (LAVO 0245), equaled or exceeded the drinking water criterion of 2,000 µg/L during 1976 and 1979. The highest concentration of 3,100 µg/L was reported Upstream of Little Growler Hot Springs (LAVO 0227) in August 1979.

The IDEA conducted for LAVO indicates that STORET data exist for 12 of 13 Level I parameter groups in the study area. No STORET data exist for the parameter group Chlorophyll. For three of the parameter groups with data (Alkalinity, Nitrate/Nitrogen, and Bacteria), less than 21 percent of the observations were recorded since 1985. Overall, approximately 32 percent of the observations for Level I parameter groups were recorded since 1985. Data for eight groups (Conductivity, Dissolved Oxygen, Flow, Clarity/Turbidity, Nitrate/Nitrogen, Phosphate/Phosphorus, Bacteria, and Toxic Elements) were recorded at less than half of the 279 monitoring stations with data. Relative to other parameter groups, data were limited for the groups Phosphate/Phosphorus, Bacteria, and Toxic Elements. Results for 35 of the 126 EPA priority toxic pollutants (consisting of inorganic and organic parameters, metals, and pesticides) were retrieved from STORET.

Surface water resources in the LAVO study area include Kings, Mill, Manzanita, Hat, Lost, and many other creeks; Juniper, Snag, Butte, and numerous other lakes and ponds; Manzanita Lake and a few smaller impoundments; Growler, Morgan, Panther, and numerous other cold and hot springs, mud pots, and other thermal features. The data inventories and analyses contained in this report indicate a lack of longer-term records from stations throughout the study area. Of the 281 monitoring stations in the study area, only three stations yielded longer-term records, including just one (LAVO 0261) since 1985. Without adequate data it is difficult to make definitive statements regarding surface water quality within the study area; however from the available data, water quality has generally been good with some impacts from natural and human activities. Potential natural sources of contaminants include geothermal activities. Potential anthropogenic sources of contaminants include stormwater runoff; mining and quarrying operations; ranching activities; logging operations; recreational use; geothermal exploration; 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.

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

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

Kelli O'Connor, J. Chris Echohawk, Curtis Cooper, Adam Henson, Shawndra Mawhorter, Lisa Smith, Ryan Shy, Lisa Dummer, Eric Lord, Adriane Petersen, Margaret Matter, Richard Henderson, Ronda Burns, Aria Brissette, Nancy O'Keeffe, Melanie Schnier, Brett Atkinson, Paul Sorek, and Cara Ellis 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.

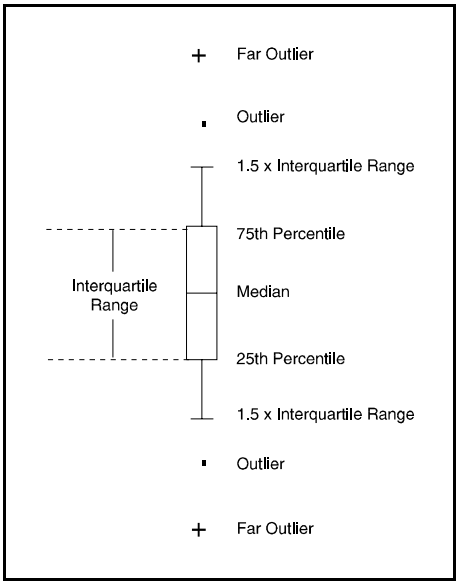
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

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 LAVO

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:	313040	107228
# STORET Stations:	281	218
# Stations With No Data:	2	0
# Stations With No Stat. Analysis:	1	0
# Longer Term Stations:	3	2
Date of STORET Retrieval:	08/05/99	08/05/99
Period of Record:	01/01/01-08/17/94	01/01/01-08/17/94
# Parameters Measured:	192	180
# Water Quality Observations:	12382	8056
# Industrial/Municipal Facilities:	0	0
# Drinking Water Intakes:	0	0
# Water Gages:	6	0
# Water Impoundments:	1	0
# Total Plots:	9	8
# Time Series:	9	8
# Annual:	0	0
# Seasonal:	0	0

Hydrologic Definition of Seasons:

1. August 15 - March 14
2. March 15 - May 31
3. June 1 - August 14

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 2 years and at least 8 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 4 years.

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

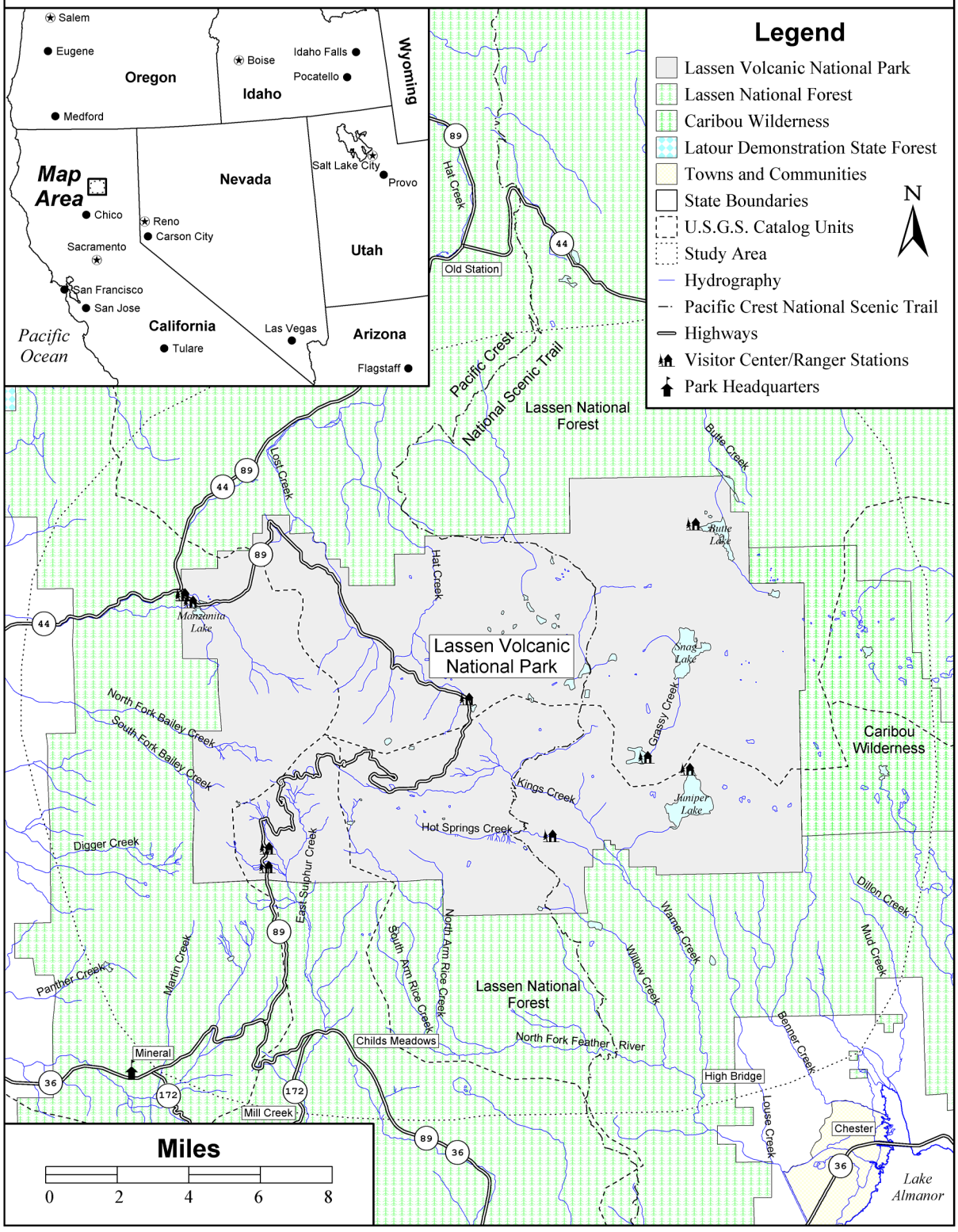
Seasonal Analysis Criteria:

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

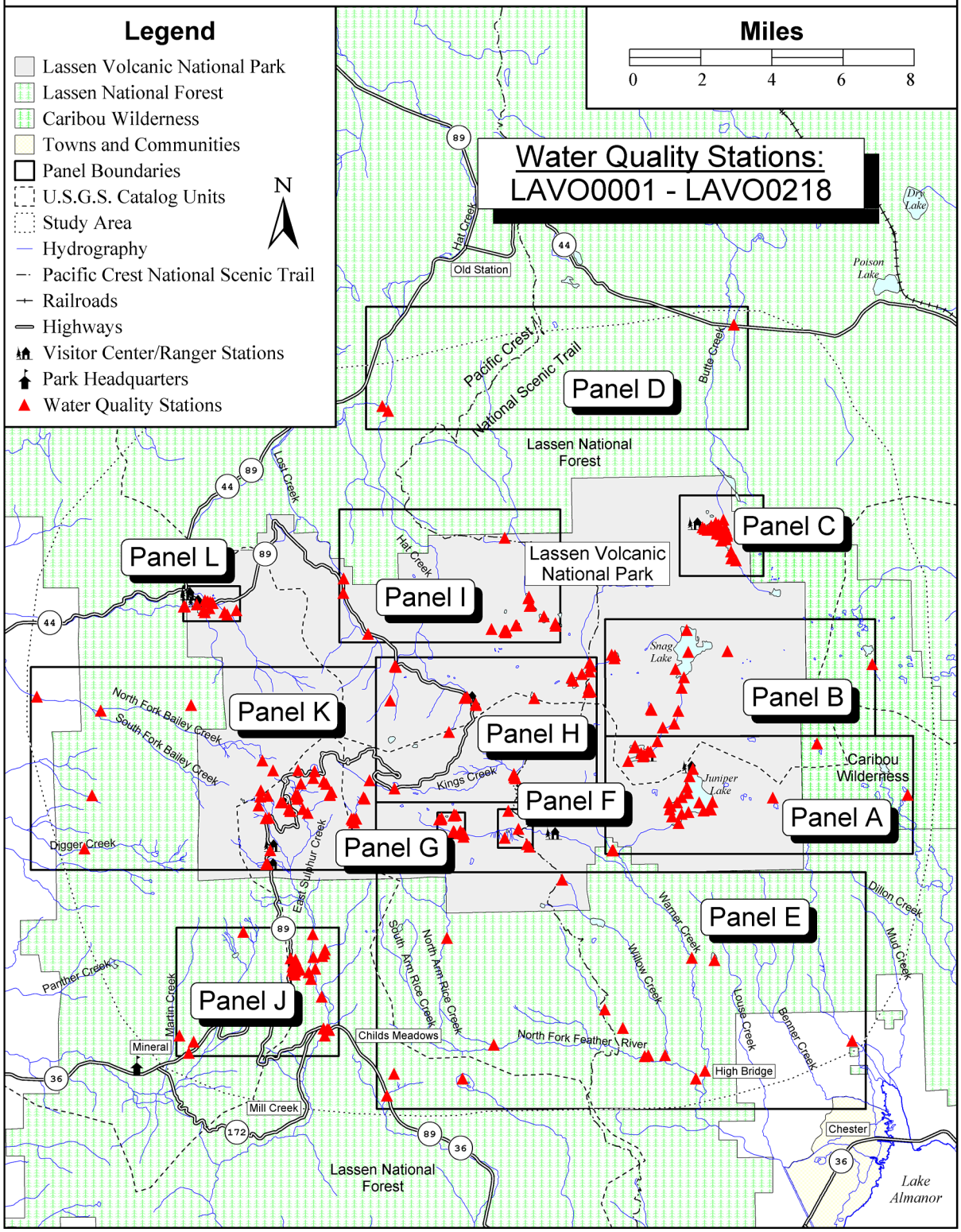
Lassen Volcanic National Park

Regional Location Map



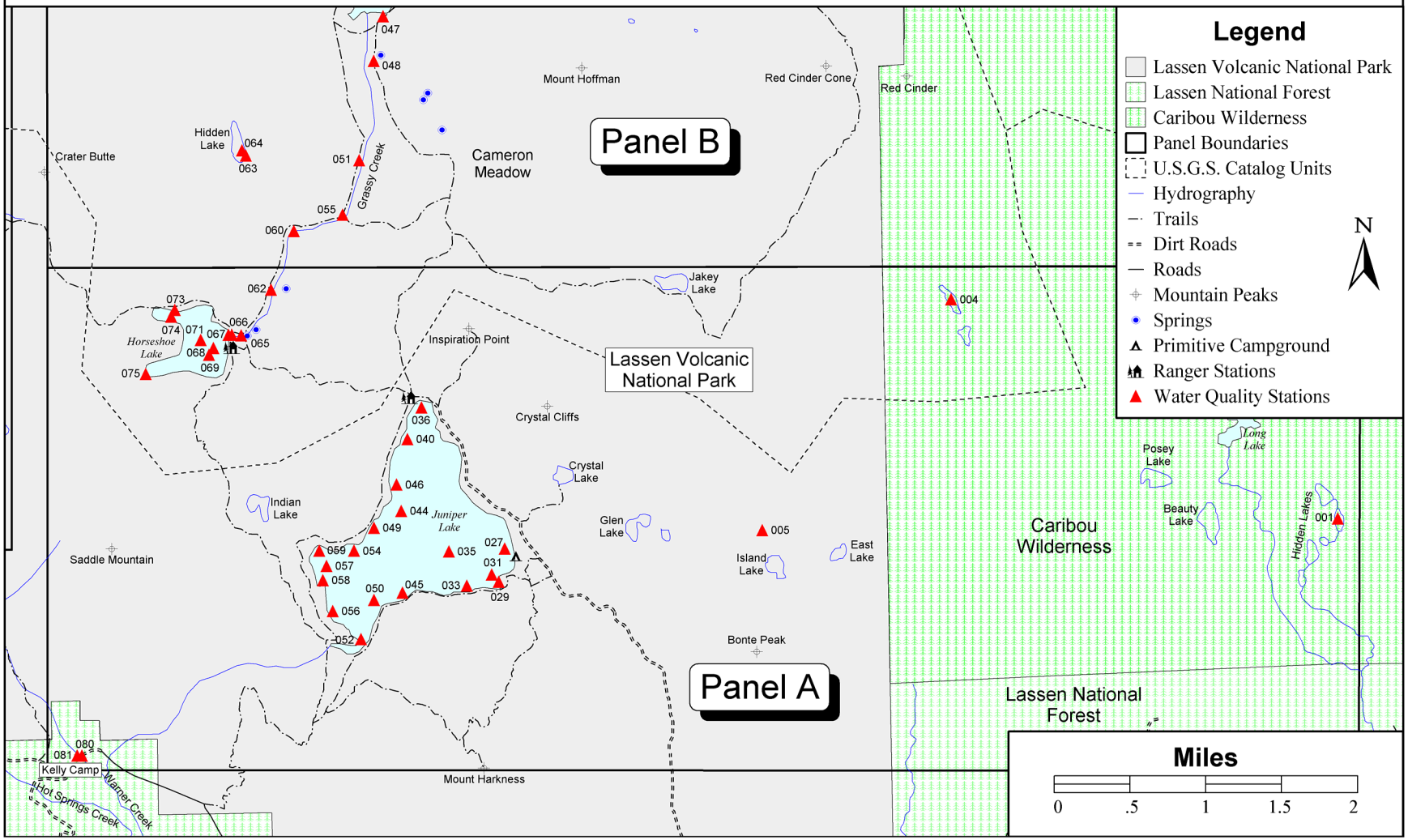
Lassen Volcanic National Park

Water Quality Monitoring Locations
Graphic Panel Index



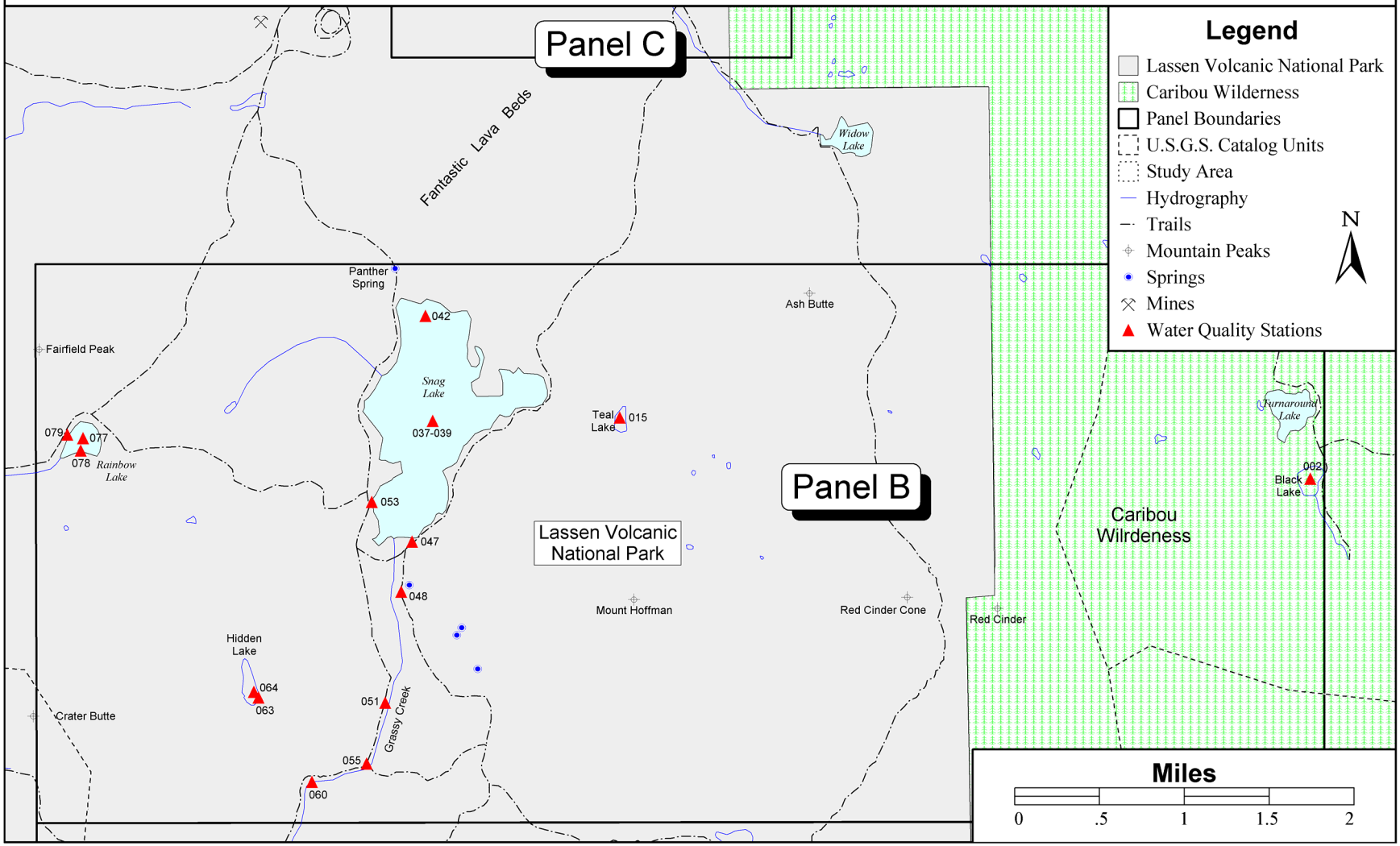
Lassen Volcanic National Park

Water Quality Monitoring Locations



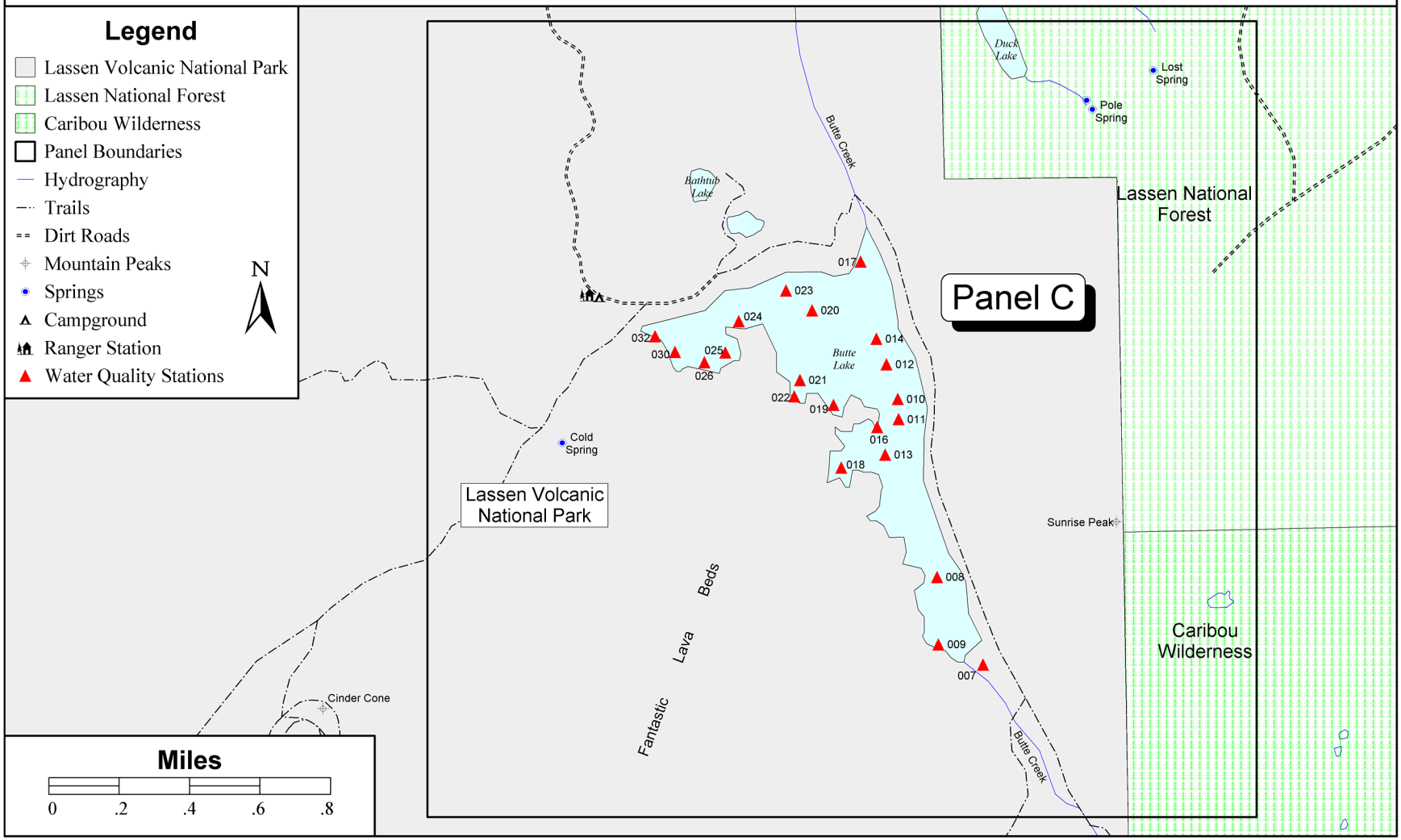
Lassen Volcanic National Park

Water Quality Monitoring Locations



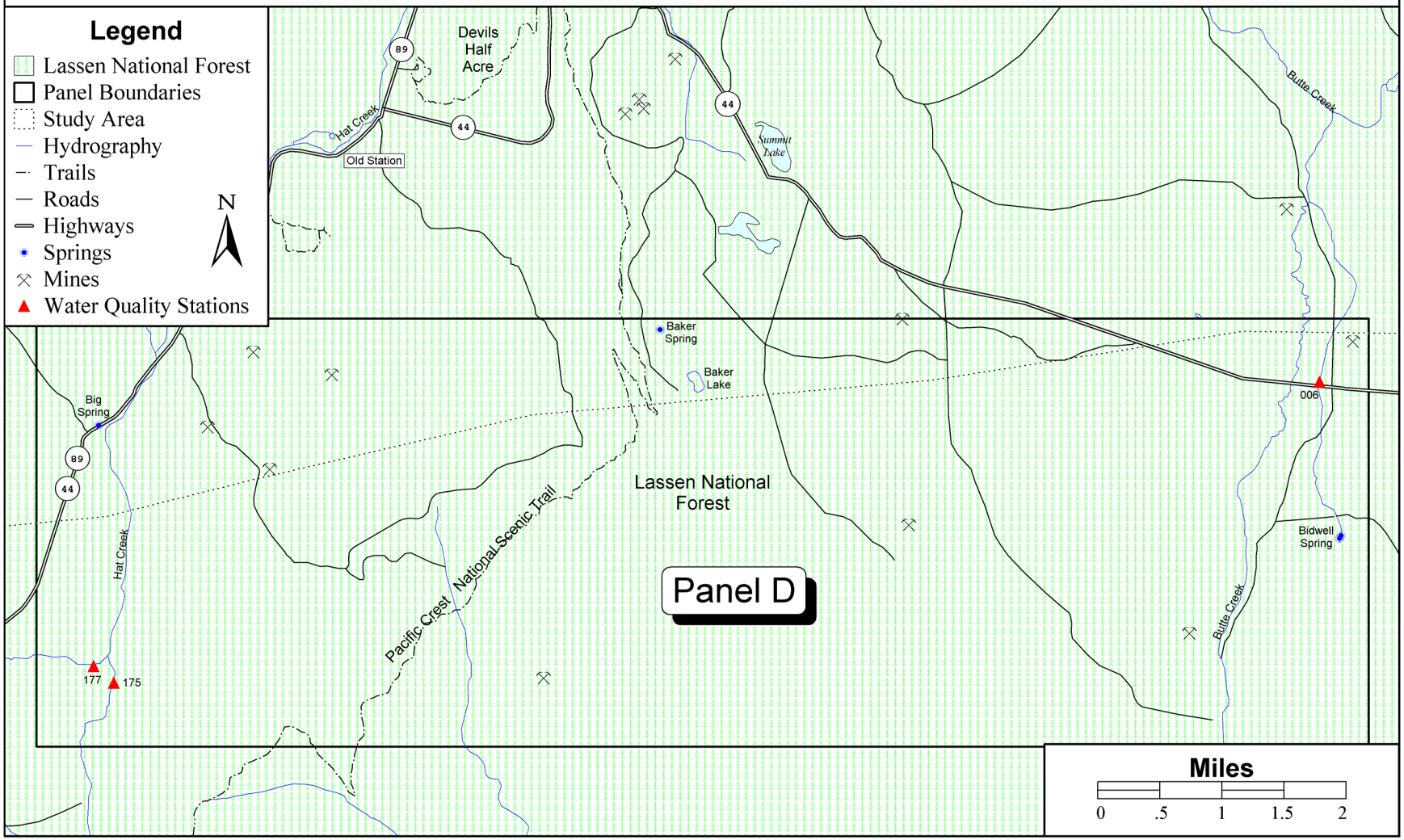
Lassen Volcanic National Park

Water Quality Monitoring Locations



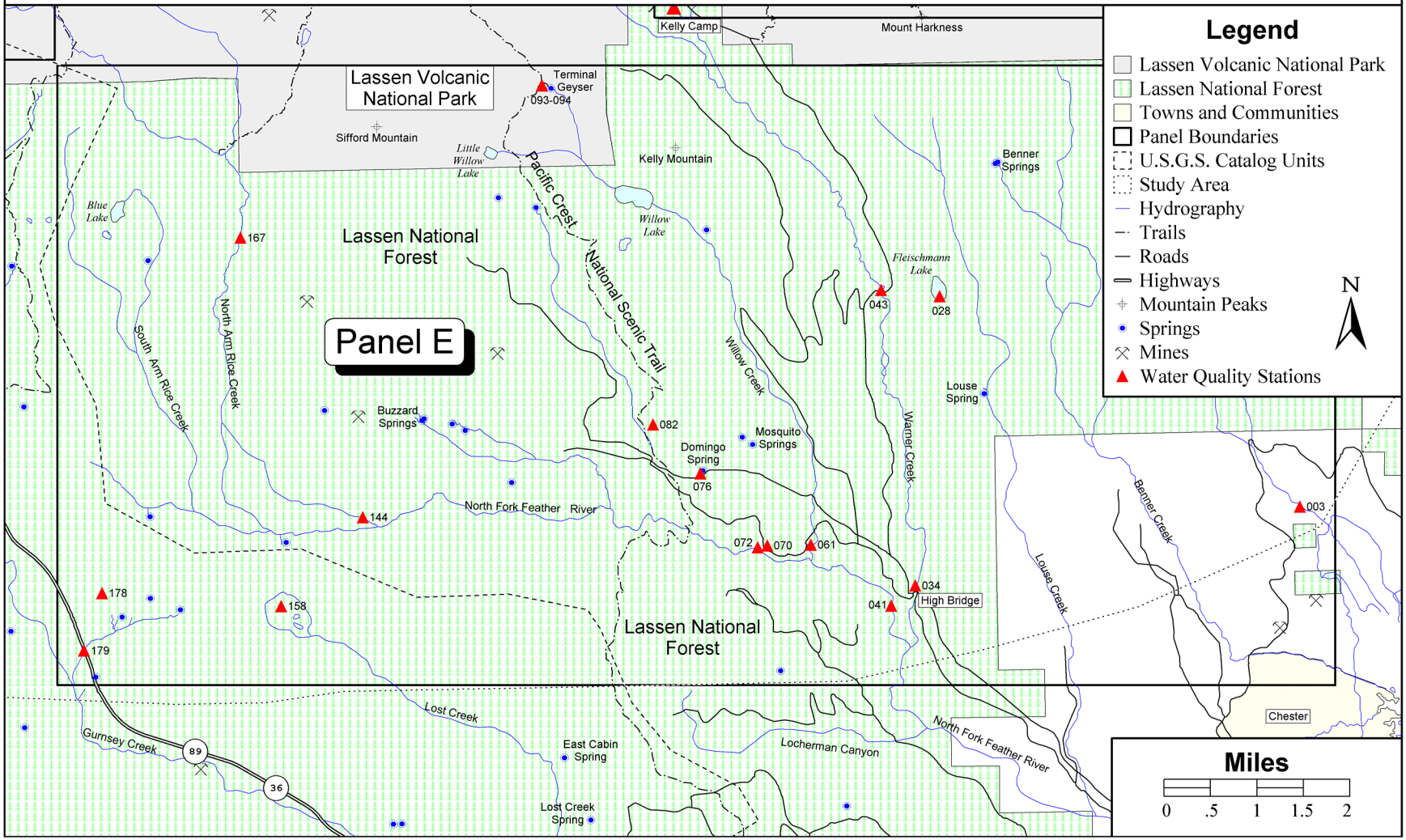
Lassen Volcanic National Park

Water Quality Monitoring Locations



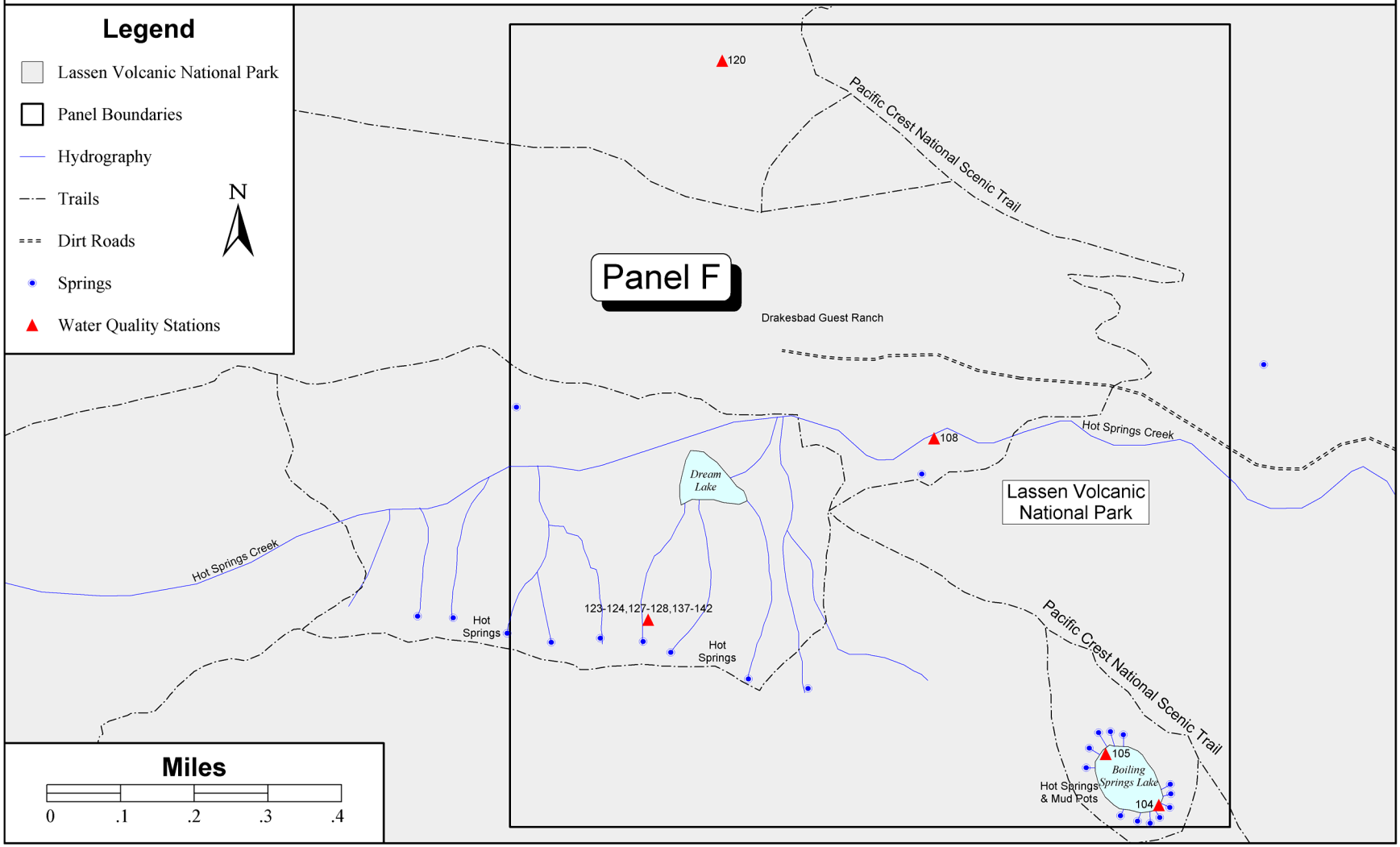
Lassen Volcanic National Park

Water Quality Monitoring Locations



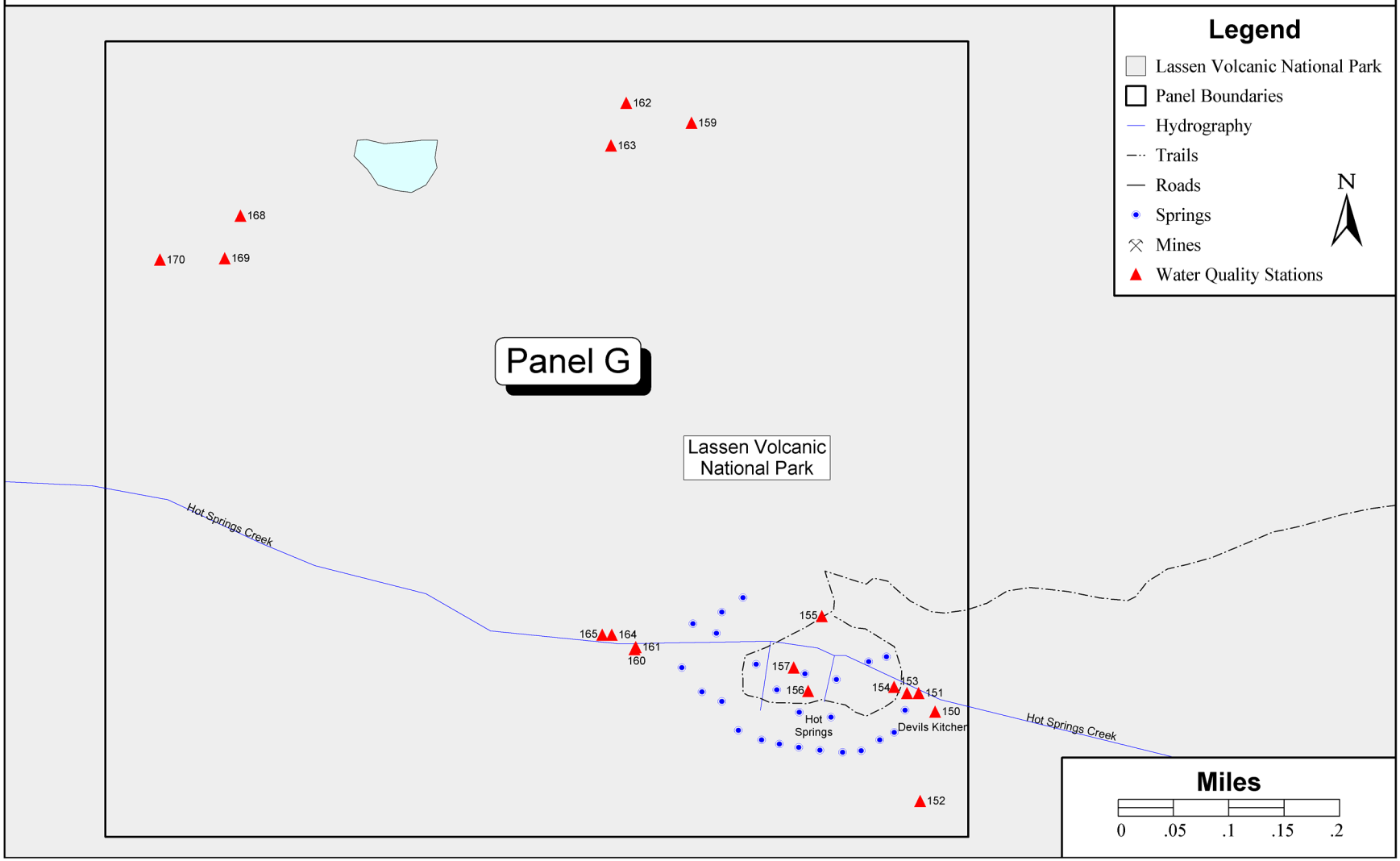
Lassen Volcanic National Park

Water Quality Monitoring Locations



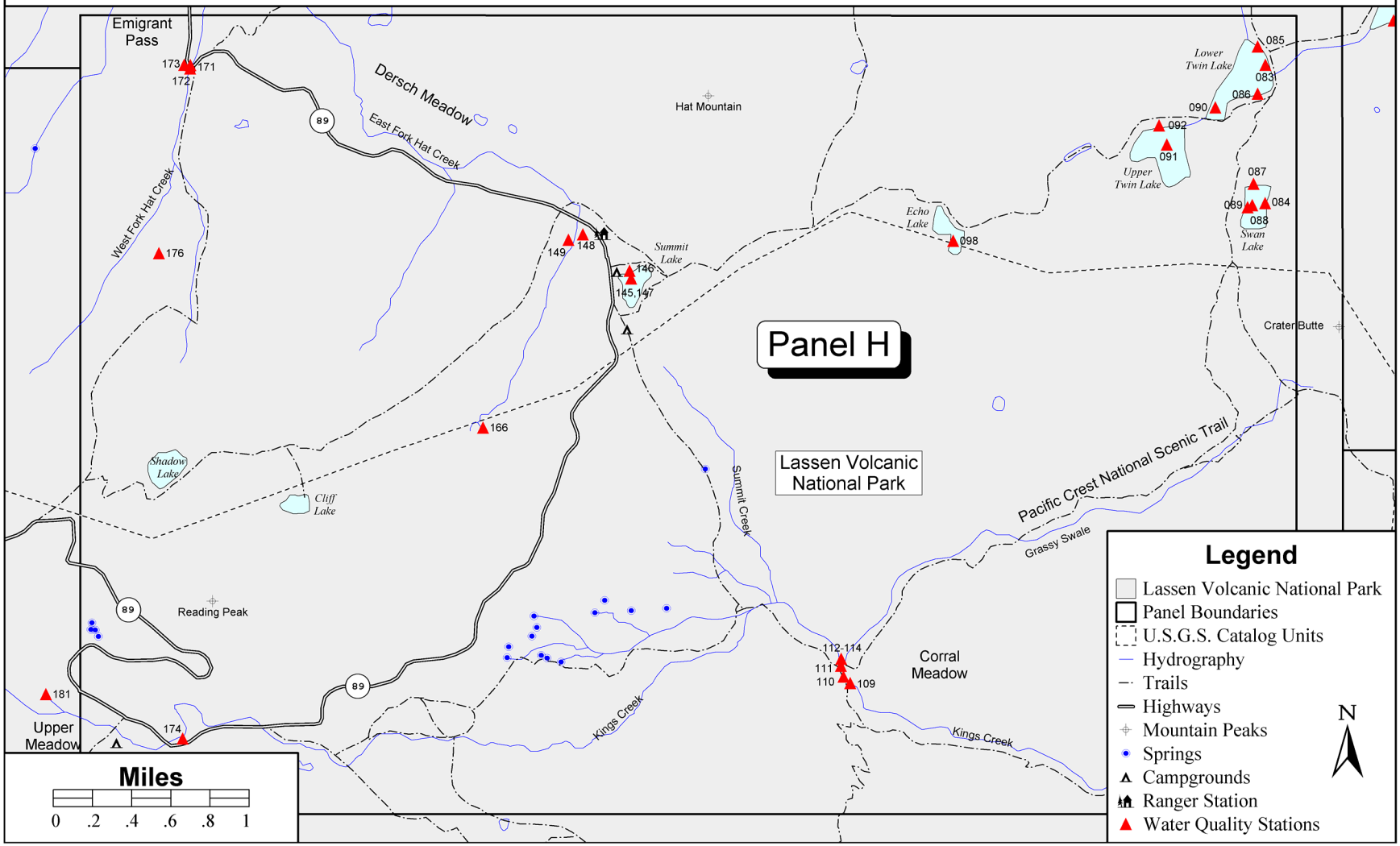
Lassen Volcanic National Park

Water Quality Monitoring Locations



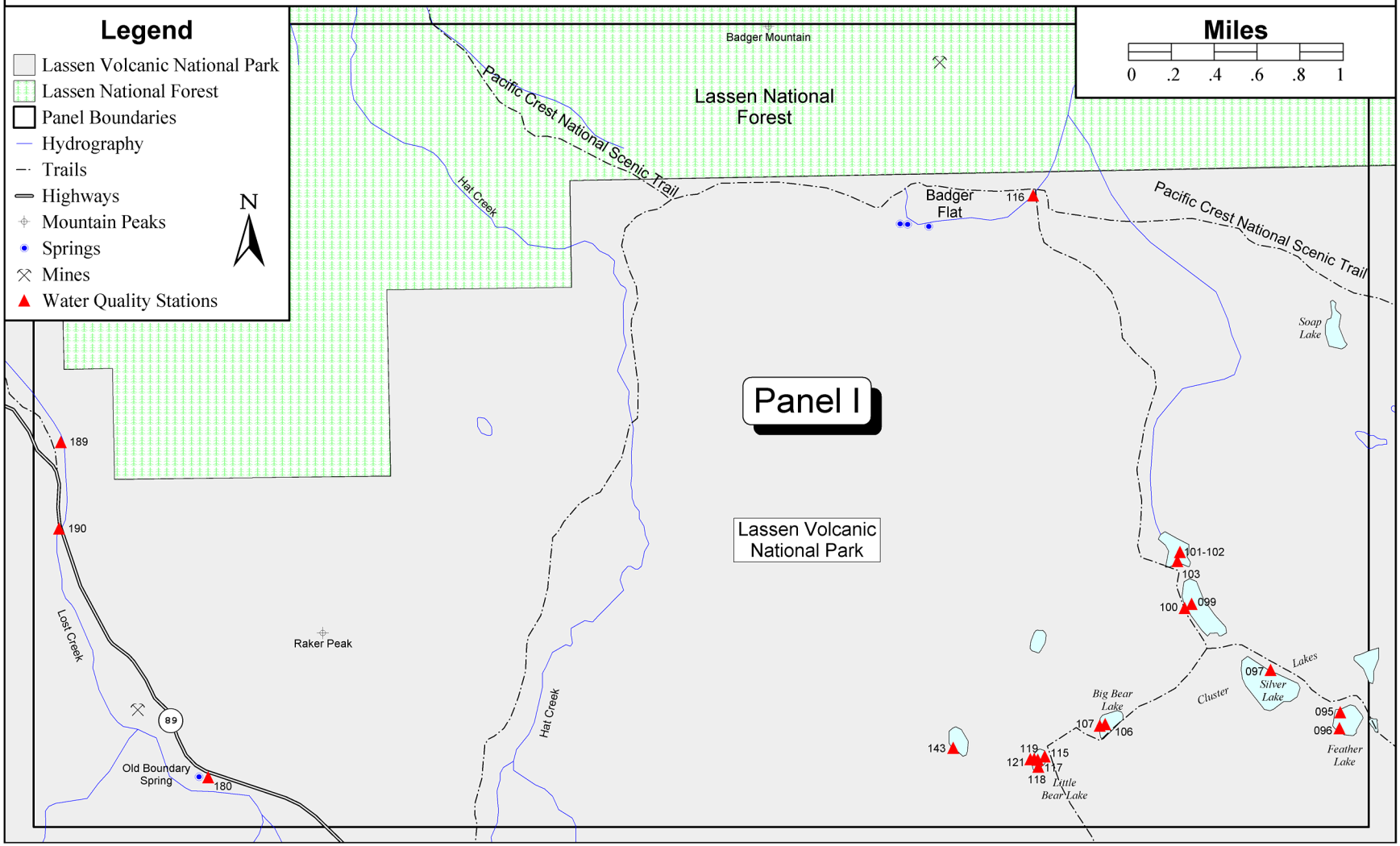
Lassen Volcanic National Park

Water Quality Monitoring Locations



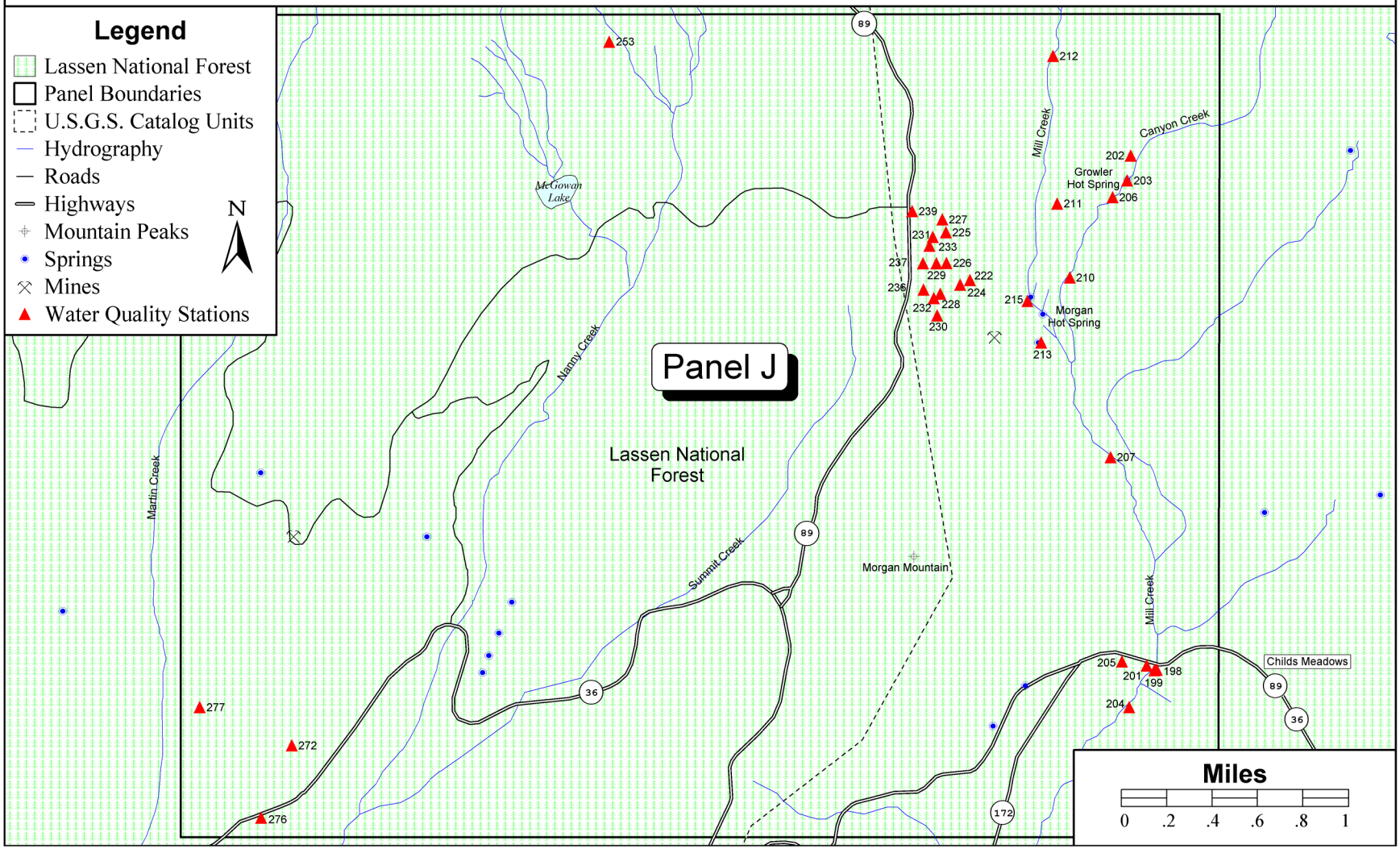
Lassen Volcanic National Park

Water Quality Monitoring Locations



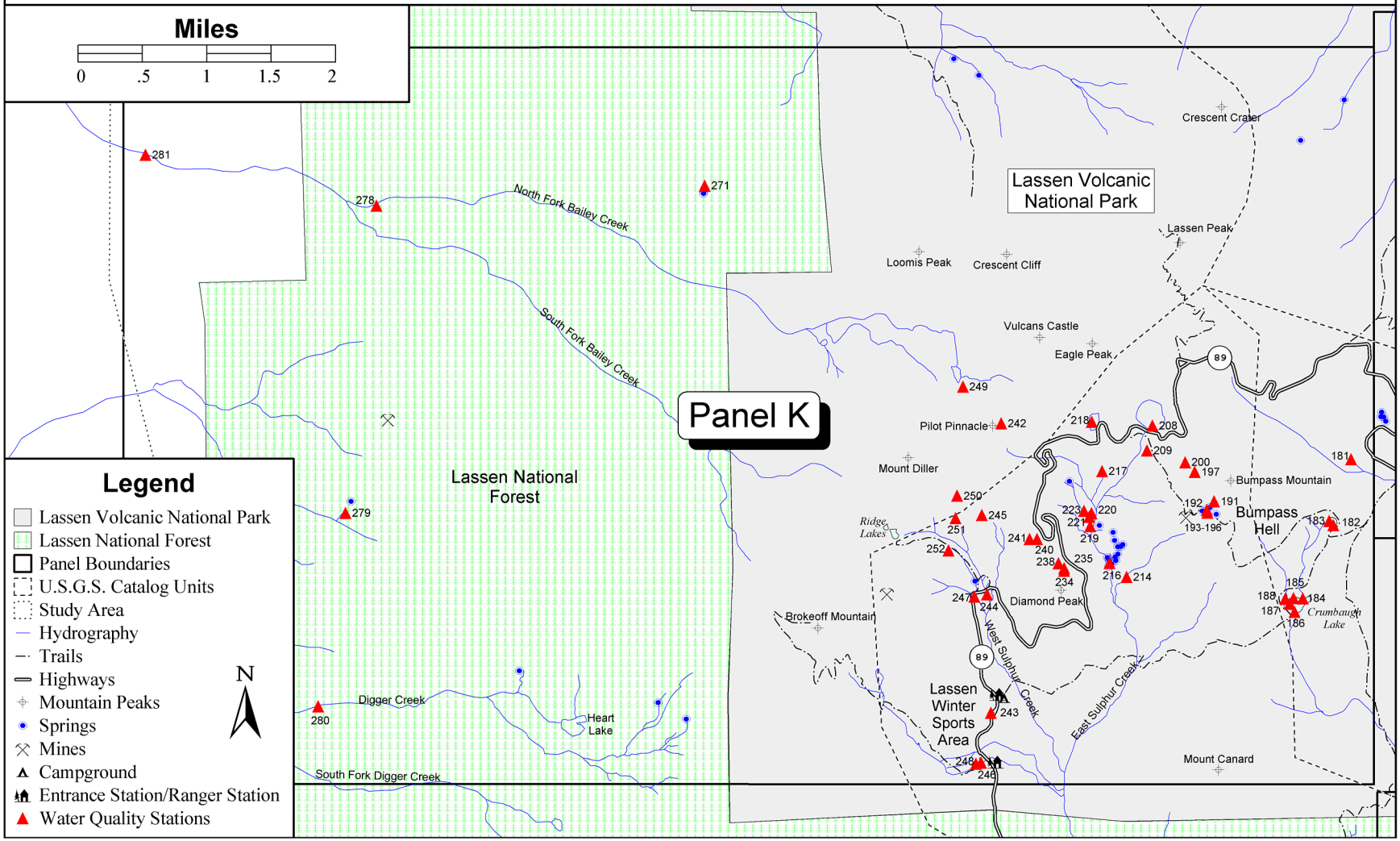
Lassen Volcanic National Park

Water Quality Monitoring Locations



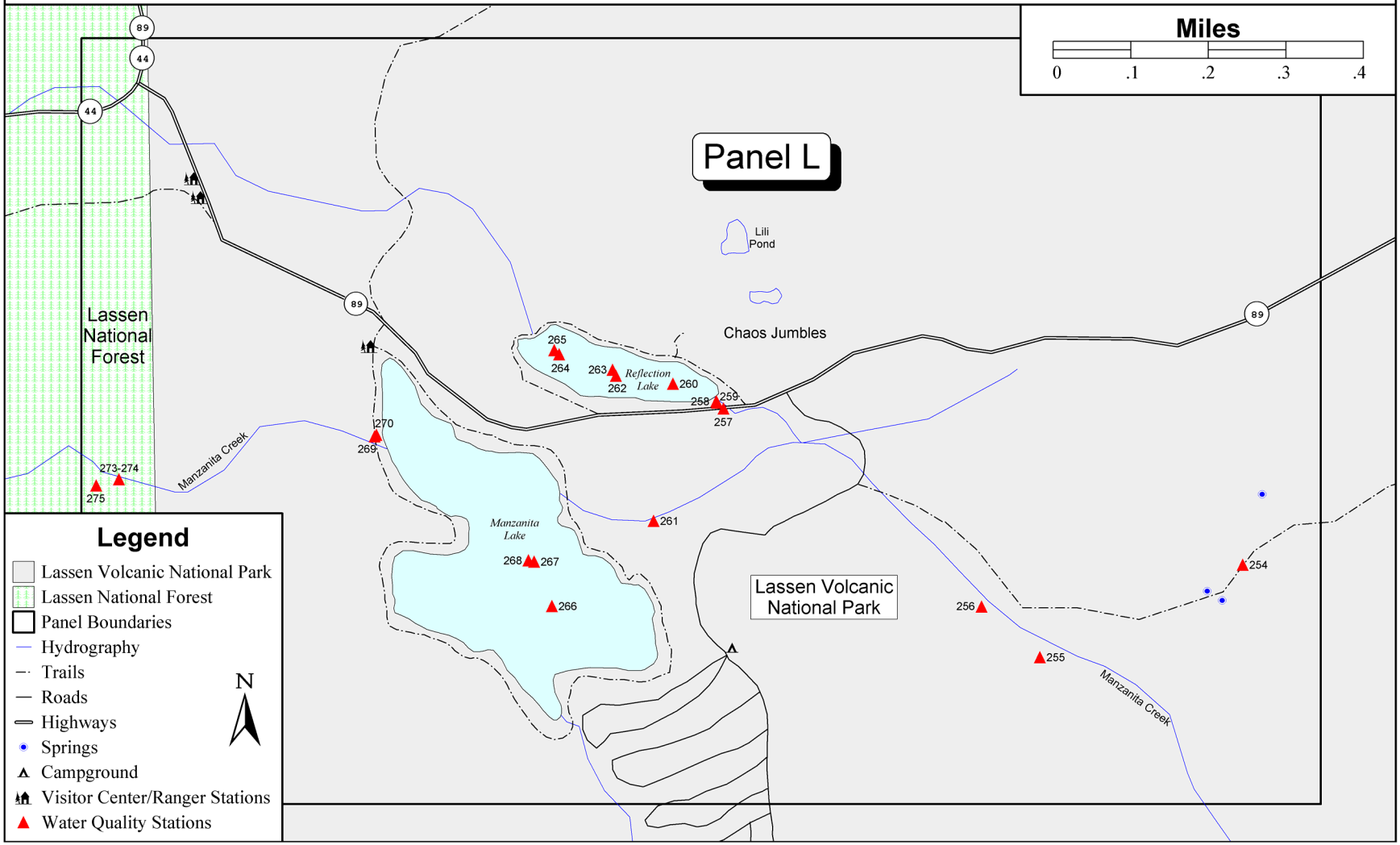
Lassen Volcanic National Park

Water Quality Monitoring Locations



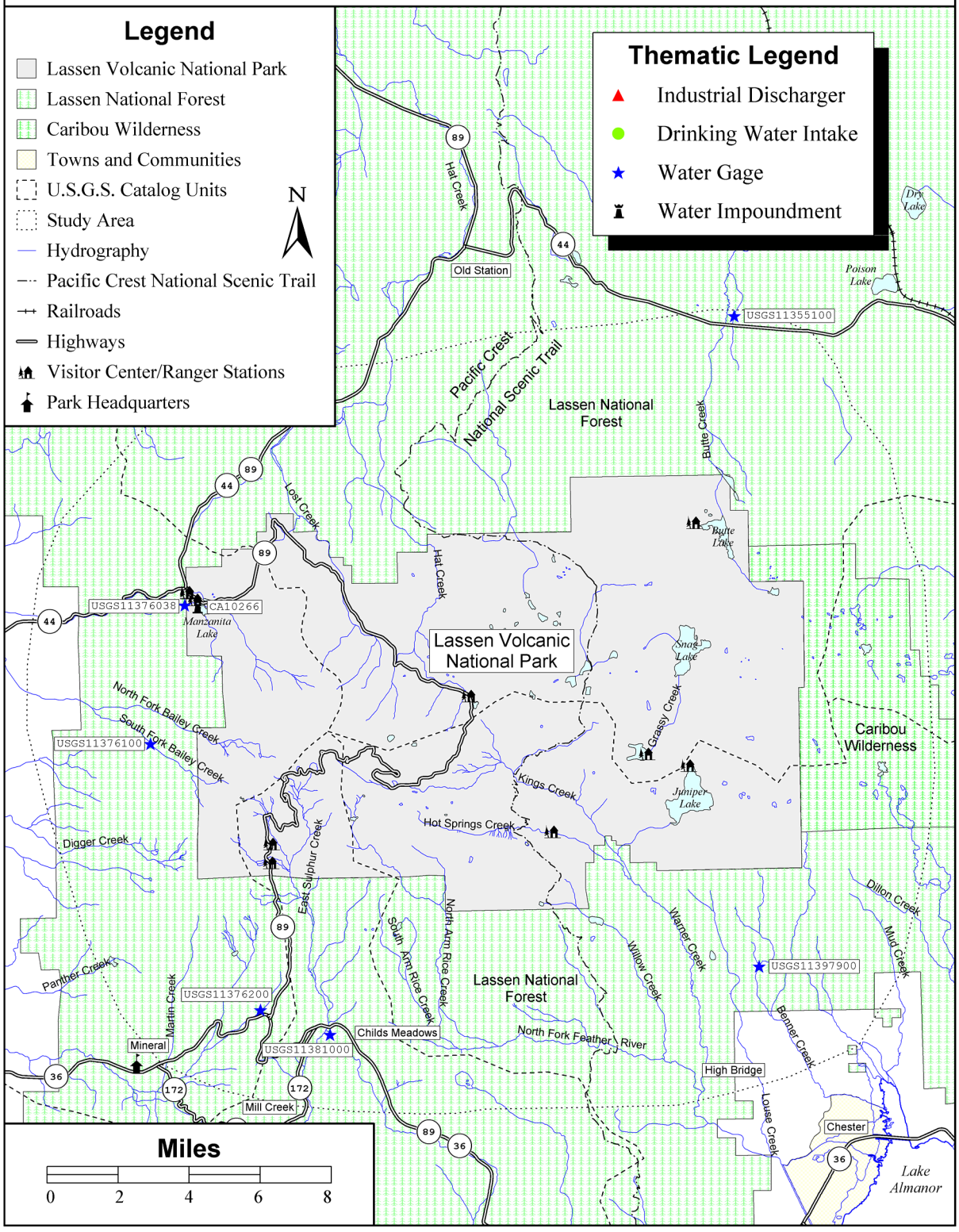
Lassen Volcanic National Park

Water Quality Monitoring Locations



Lassen Volcanic National Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



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

Industrial Facility Discharges

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

No IFD sites available for this study area.

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)

No drinking water intakes available for this study area.

Water Gages

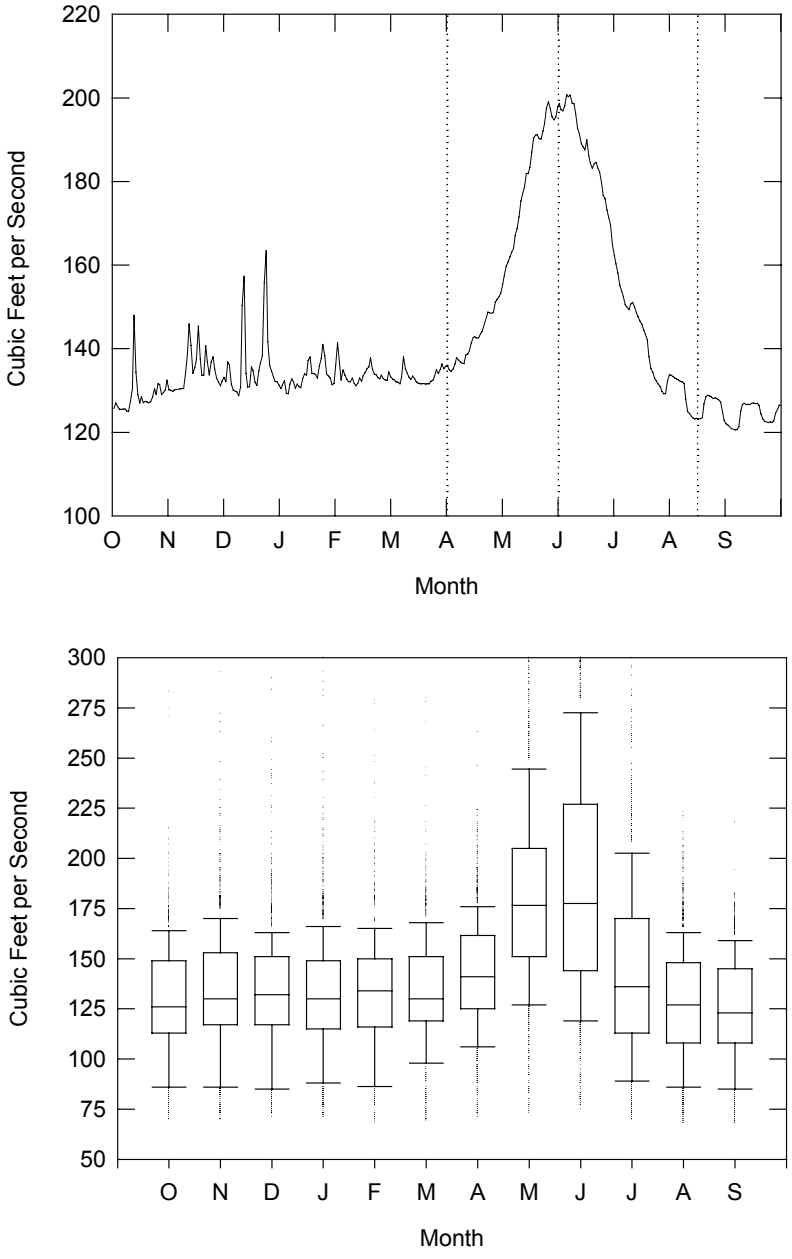
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS11355100	BUTTE CR TRIB NR OLD		515.00		
USGS11376100	SOUTH FORK BAILEY CR	Stream	3.67		
USGS11376200	SUMMIT CR NR MINERAL		180.00		
USGS11397900	BENNER CREEK NEAR CH	Stream	7.67		
USGS11376038	MANZANITA CREEK AT PARK BOUNDARY NR MANZANITA LK	Stream	11.60	1979	1981
USGS11381000	MILL C NR MINERAL CA	Stream	21.20	1929	1932

Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
CA10266	MANZANITA LAKE DAM.HIS.STR.003	DOI NPS WR LAVO	Supply	Earth	Low	1911

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

LASSEN VOLCANIC NATIONAL PARK
Hat Creek near Hat Creek, CA
11355500, 60 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 Lassen Volcanic National Park are: Aug. 15 to Mar. 31, Apr. 1 to May 31, and Jun. 1 to Aug. 14.

CONTACTS FOR AGENCY CODES RETRIEVED FOR LAVO

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
21CAL-1	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
21CAL-3	LOWELL, SUZANNE	CA WATER RES CONTROL BRD	(916)657-1830	
12WLS1	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(541)754-4427	

QUANTITY OF DATA RETRIEVED FOR LAVO 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
21CAL-1	CA WATER RES CONTROL BRD	01/01/01-10/24/68	01/01/01-10/24/68	14	2	0	0	2	0	97	25	21	20
112WRD	US GEOLOGICAL SURVEY	10/24/79-09/23/81	06/16/81-09/11/81	27	14	0	0	0	0	2243	994	82	61
11NPSWRD	NATIONAL PARK SERVICE	06/15/60-08/17/94	06/15/60-08/17/94	223	190	3	2	0	0	9252	6494	94	91
21CAL-3	CA WATER RES CONTROL BRD	06/26/74-02/19/87	06/26/74-02/19/87	6	5	0	0	0	0	505	362	59	59
12WLS1	EPA ENVIRONMENTAL RES LAB	10/17/85-10/24/85	10/24/85-10/24/85	11	7	0	0	0	0	285	181	26	26
Totals		01/01/01-08/17/94	01/01/01-08/17/94	281	218	3	2	2	0	12382	8056	192	180

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

Station Period of Record Tabulation
From 01/01/01 To 08/17/94

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75
LAVO0001	HIDDEN LAKES (EASTERN)	No	26	26	0	0
LAVO0002	BLACK LAKE	No	26	26	0	0
LAVO0003	LAST CHANCE CREEK NEAR CHESTER	No	8	0	0	8
LAVO0004	(NO NAME)	No	26	26	0	0
LAVO0005	GLEN LAKE	Yes	26	26	0	0
LAVO0006	BUTTE C TRIB NR OLD STA	No	1	0	0	1
LAVO0007	BUTTE LAKE STATION 18	Yes	5	0	0	5
LAVO0008	BUTTE LAKE STATION 19	Yes	14	0	0	14
LAVO0009	BUTTE LAKE STATION 17	Yes	6	0	0	6
LAVO0010	BUTTE LAKE STATION 9	Yes	8	0	0	8
LAVO0011	BUTTE LAKE STATION 10	Yes	6	0	0	6
LAVO0012	BUTTE LAKE STATION 5	Yes	188	0	0	188
LAVO0013	BUTTE LAKE STATION 13	Yes	7	0	0	7
LAVO0014	BUTTE LAKE STATION 16	Yes	8	0	0	8
LAVO0015	TEAL LAKE	Yes	23	0	0	23
LAVO0016	BUTTE LAKE STATION 11	Yes	7	0	0	7
LAVO0017	BUTTE LAKE STATION 15	Yes	14	0	0	14
LAVO0018	BUTTE LAKE STATION 12	Yes	5	0	0	5
LAVO0019	BUTTE LAKE STATION 8	Yes	5	0	0	5
LAVO0020	BUTTE LK NR OLD STATION CA	Yes	114	0	114	0
LAVO0021	BUTTE LAKE STATION 6	Yes	16	0	0	16
LAVO0022	BUTTE LAKE STATION 7	Yes	13	0	0	13
LAVO0023	18-500 BUTTE LAKE	Yes	46	16	17	13
LAVO0024	BUTTE LAKE STATION 4	Yes	16	0	0	16
LAVO0025	BUTTE LAKE STATION 3	Yes	6	0	0	6
LAVO0026	BUTTE LAKE STATION 2	Yes	7	0	0	7
LAVO0027	JUNIPER LAKE STATION 17	Yes	14	0	0	14
LAVO0028	BLUE LAKE	No	26	26	0	0
LAVO0029	JUNIPER LK A CG NR CHESTER	Yes	7	0	0	7
LAVO0030	BUTTE LAKE STATION 1	Yes	6	0	0	6
LAVO0031	JUNIPER LAKE STATION 16	Yes	14	0	0	14
LAVO0032	BUTTE LAKE STATION 14	Yes	7	0	0	7
LAVO0033	JUNIPER LAKE STATION 15	Yes	15	0	0	15
LAVO0034	WARNER CREEK AT HIGH BRIDGE	No	8	0	0	8
LAVO0035	JUNIPER LAKE STATION 19	Yes	104	0	0	104
LAVO0036	JUNIPER LAKE STATION 1	Yes	11	0	0	11
LAVO0037	Snag Lake 1b	Yes	31	0	31	0
LAVO0038	Snag Lake 1c	Yes	31	0	31	0
LAVO0039	Snag Lake 1a	Yes	28	0	28	0
LAVO0040	JUNIPER LAKE STATION 2	Yes	15	0	0	15
LAVO0041	FEATHER R NF AT RICE C CAMPGROUND	No	8	0	0	8
LAVO0042	SNAG LAKE STATION 13	Yes	51	0	0	51
LAVO0043	WARNER C AT WARNER VALLEY RD NR CHESTER CA	No	83	0	83	0
LAVO0044	JUNIPER LAKE STATION 4	Yes	15	0	0	15
LAVO0045	JUNIPER LAKE STATION 13	Yes	85	0	0	85
LAVO0046	JUNIPER LAKE STATION 3	Yes	12	0	0	12
LAVO0047	GRASSY CREEK STATION 7	Yes	6	0	0	6
LAVO0048	GRASSY CREEK STATION 6	Yes	3	0	0	3
LAVO0049	JUNIPER LAKE STATION 5	Yes	12	0	0	12
LAVO0050	JUNIPER LAKE STATION 12	Yes	12	0	0	12
LAVO0051	GRASSY CREEK STATION 5	Yes	3	0	0	3
LAVO0052	JUNIPER LAKE STATION 11	Yes	14	0	0	14
LAVO0053	Snag Lake West Shore	Yes	19	0	19	0
LAVO0054	JUNIPER LAKE STATION 6	Yes	14	0	0	14
LAVO0055	GRASSY CREEK STATION 4	Yes	4	0	0	4
LAVO0056	JUNIPER LAKE STATION 10	Yes	12	0	0	12
LAVO0057	JUNIPER LAKE STATION 8	Yes	11	0	0	11
LAVO0058	JUNIPER LAKE STATION 9	Yes	124	0	0	124
LAVO0059	JUNIPER LAKE STATION 7	Yes	10	0	0	10
LAVO0060	GRASSY CREEK STATION 3	Yes	8	0	0	8
LAVO0061	WILLOW C A FEATHER R HOMESITES	No	8	0	0	8
LAVO0062	GRASSY CREEK STATION 2	Yes	4	0	0	4
LAVO0063	Hidden Lake SE Shore	Yes	10	0	10	0
LAVO0064	Hidden Lake South End	Yes	31	0	31	0
LAVO0065	Grassy Creek Discharge Near Bridge	Yes	7	7	0	0
LAVO0066	GRASSY CREEK STATION 1	Yes	6	0	0	6
LAVO0067	Horseshoe Lake Shore Outlet	Yes	20	0	20	0
LAVO0068	Eastern Horseshoe Lake at Trench Area	Yes	90	0	90	0
LAVO0069	HORSESHOE LAKE STATION 15	Yes	183	46	0	137
LAVO0070	DOMINGO C A FEATHER R HOMESITES	No	8	0	0	8
LAVO0071	HORSESHOE LK NR CHESTER CA	Yes	96	0	96	0

Station Period of Record Tabulation
From 01/01/01 To 08/17/94

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75
LAVO0072	FEATHER R NF A FEATHER R HOMESITE	No	8	0	0	8
LAVO0073	Horseshoe Lake North Shore	Yes	10	0	10	0
LAVO0074	Horseshoe Lake North Arm	Yes	31	0	31	0
LAVO0075	Horseshoe Lake Shore Inlet	Yes	30	0	30	0
LAVO0076	DOMINGO SPRINGS NR CHESTER CA	No	81	0	81	0
LAVO0077	Rainbow Lake	Yes	31	0	31	0
LAVO0078	Rainbow South Shore	Yes	10	0	10	0
LAVO0079	Rainbow Lake West Shore	Yes	10	0	10	0
LAVO0080	KINGS C A WARNER VALLEY RD NR CHESTER CA	No	45	0	45	0
LAVO0081	KINGS CREEK AT KELLY CAMP	No	7	0	0	7
LAVO0082	DOMINGO SPRINGS	No	14	0	14	0
LAVO0083	Lower Twin Northeast	Yes	30	0	30	0
LAVO0084	Swan Lake East Shore	Yes	10	0	10	0
LAVO0085	Lower Twin North Shore	Yes	10	0	10	0
LAVO0086	Lower Twin East Shore	Yes	10	0	10	0
LAVO0087	Swan Lake North Shore	Yes	10	0	10	0
LAVO0088	Swan Lake	Yes	31	0	31	0
LAVO0089	SWAN LAKE	Yes	26	26	0	0
LAVO0090	Lower Twin Lake South End	Yes	62	0	62	0
LAVO0091	Southern Bay Upper Twin Lake	Yes	31	0	31	0
LAVO0092	Upper Twin Lake North Shore	Yes	20	0	20	0
LAVO0093	TERMINAL GEYSER	Yes	45	0	45	0
LAVO0094	TERMINAL GEYSER	Yes	14	0	14	0
LAVO0095	Feather Lake North Shore	Yes	10	0	10	0
LAVO0096	FEATHER LAKE	Yes	26	26	0	0
LAVO0097	Silver Lake North Shore	Yes	10	0	10	0
LAVO0098	ECHO LAKE	Yes	41	0	0	41
LAVO0099	CLUSTER LAKE #2	Yes	25	0	0	25
LAVO0100	South Cluster Lake West Shore	Yes	10	0	10	0
LAVO0101	North Cluster Lake 3a	Yes	21	0	21	0
LAVO0102	North Cluster Lake 3b	Yes	31	0	31	0
LAVO0103	North Cluster Lake South Shore	Yes	10	0	10	0
LAVO0104	SOUTHEAST END OF BOILING SPRINGS LAKE	Yes	18	0	18	0
LAVO0105	Boiling Springs Lake	Yes	7	0	7	0
LAVO0106	BIG BEAR LAKE	Yes	66	0	0	66
LAVO0107	Big Bear Lake Shore near "Big Bear Lake" Sign	Yes	10	0	10	0
LAVO0108	HOT SPRINGS C NR DRAKESBAD CA	Yes	45	0	45	0
LAVO0109	Corral Meadows 3 Adjacent to Last Camp	Yes	10	0	10	0
LAVO0110	Corral Meadows 2 at Trail Junction	Yes	10	0	10	0
LAVO0111	Corral Meadows 1 Under Bridge	Yes	10	0	10	0
LAVO0112	Grassy Swale 1 near First Sighting of Trail	Yes	10	0	10	0
LAVO0113	Grassy Swale 2 at Trail Junction	Yes	10	0	10	0
LAVO0114	Grassy Swale 3 Near Waterfall	Yes	10	0	10	0
LAVO0115	Little Bear Lake East Shore	Yes	10	0	10	0
LAVO0116	UNNAMED CREEK NEAR BADGER FLAT	Yes	24	0	0	24
LAVO0117	LITTLE BEAR LAKE	Yes	24	0	0	24
LAVO0118	LITTLE BEAR LAKE	Yes	25	25	0	0
LAVO0119	Little Bear Lake SW	Yes	31	0	31	0
LAVO0120	HIGHEST SPRING FEEDING POOL AT DRAKESBAD	Yes	41	0	41	0
LAVO0121	Little Bear Lake West Shore	Yes	10	0	10	0
LAVO0122	DRAKESBAD HOT SPRING 21	Yes	22	0	0	22
LAVO0123	DRAKESBAD HOT SPRING 11	Yes	8	0	0	8
LAVO0124	DRAKESBAD HOT SPRING 6	Yes	49	0	0	49
LAVO0125	DRAKESBAD HOT SPRING 7	Yes	8	0	0	8
LAVO0126	DRAKESBAD HOT SPRING 5	Yes	12	0	0	12
LAVO0127	DRAKESBAD HOT SPRING 3	Yes	7	0	0	7
LAVO0128	DRAKESBAD HOT SPRING 12	Yes	12	0	0	12
LAVO0129	DRAKESBAD HOT SPRING 19	Yes	29	0	0	29
LAVO0130	DRAKESBAD HOT SPRING 4	Yes	8	0	0	8
LAVO0131	DRAKESBAD HOT SPRING 2	Yes	32	0	0	32
LAVO0132	DRAKESBAD HOT SPRING 15	Yes	8	0	0	8
LAVO0133	DRAKESBAD HOT SPRING 13	Yes	18	0	0	18
LAVO0134	DRAKESBAD HOT SPRING 20	Yes	18	0	0	18
LAVO0135	DRAKESBAD HOT SPRING H22	Yes	22	0	0	22
LAVO0136	DRAKESBAD HOT SPRING 17	Yes	8	0	0	8
LAVO0137	DRAKESBAD HOT SPRING 10	Yes	8	0	0	8
LAVO0138	DRAKESBAD HOT SPRING 18	Yes	8	0	0	8
LAVO0139	DRAKESBAD HOT SPRING 8	Yes	8	0	0	8
LAVO0140	DRAKESBAD HOT SPRING 14	Yes	13	0	0	13
LAVO0141	DRAKESBAD HOT SPRING 9	Yes	13	0	0	13
LAVO0142	DRAKESBAD HOT SPRING 16	Yes	24	0	0	24

Station Period of Record Tabulation
From 01/01/01 To 08/17/94

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75
LAVO0143	(NO NAME)	Yes	26	26	0	0
LAVO0144	FEATHER R NF A ROD AND GUN CLUB	No	8	0	0	8
LAVO0145	Summit Lake 1A	Yes	21	0	21	0
LAVO0146	Summit Lake Shore Near Picnic Site	Yes	20	0	20	0
LAVO0147	Summit Lake 1B	Yes	21	0	21	0
LAVO0148	45-501 SUMMIT LAKE (N.FORK HAT CREEK)	Yes	66	22	44	0
LAVO0149	EAST FORK HOT CREEK	Yes	24	0	0	24
LAVO0150	100 FEET BELOW DEVIL'S KITCHEN	Yes	2	2	0	0
LAVO0151	UNNAMED SPRING NEAR HOT CREEK	Yes	16	0	16	0
LAVO0152	BELOW DEVIL'S KITCHEN	Yes	2	2	0	0
LAVO0153	DK #2 10 METERS BELOW BRIDGE ON HOT SPRINGS CK	Yes	6	6	0	0
LAVO0154	HOT SPRINGS CK LOWER BRIDGE IN DEVIL'S KITCHEN	Yes	3	3	0	0
LAVO0155	153 BELOW DEVIL'S KITCHEN	Yes	2	2	0	0
LAVO0156	DEVIL'S KITCHEN	Yes	25	0	25	0
LAVO0157	METEORIC HOT SPRING AT DEVILS KITCHEN	Yes	22	0	0	22
LAVO0158	WILSON LAKE NR MILL CREEK CA	No	60	0	60	0
LAVO0159	DEVIL'S KITCHEN	Yes	53	0	53	0
LAVO0160	HOT SPRINGS CREEK ABOVE DEVIL'S KITCHEN	Yes	3	3	0	0
LAVO0161	DK #1 AT HOT SPRINGS CK BELOW DEVIL'S KITCHEN	Yes	6	6	0	0
LAVO0162	BRANCHES COVERING TOP OF SPRING DEVIL'S KITCHEN	Yes	20	0	20	0
LAVO0163	BEYOND UNNAMED SPRING NEAR DEVIL'S KITCHEN	Yes	32	0	32	0
LAVO0164	20 METERS ABOVE FALLS IN DEVIL'S KITCHEN	Yes	2	2	0	0
LAVO0165	30 METERS ABOVE DEVIL'S KITCHEN FALLS	Yes	2	2	0	0
LAVO0166	CASCADE SPRINGS NR MANZANITA LAKE CA	Yes	82	0	82	0
LAVO0167	RICE C N ARM NR CHESTER	No	8	0	0	8
LAVO0168	LOWEST SPRING IN DEVIL'S KITCHEN	Yes	33	0	33	0
LAVO0169	DEVIL'S KITCHEN	Yes	18	0	18	0
LAVO0170	LARGE FUMAROLE AT DEVIL'S KITCHEN	Yes	17	0	17	0
LAVO0171	Hat Creek Discharge near Hat Street Bridge	Yes	5	5	0	0
LAVO0172	WF HAT C AT HWY 89 NR MANZANITA LAKE CA	Yes	85	0	85	0
LAVO0173	HAT C WF NR MANZANITA LK	Yes	18	0	0	18
LAVO0174	KING CREEK NEAR CAMPGROUND	Yes	24	0	0	24
LAVO0175	HAT C A TWIN BRIDGES RD NR OLD STATION CA	No	44	0	44	0
LAVO0176	SHADOW LAKE	Yes	26	26	0	0
LAVO0177	LOST C A TWIN BRIDGES RD NR OLD STATION CA	No	46	0	46	0
LAVO0178	NORTH SIDE WILSON LAKE ROAD	No	14	0	14	0
LAVO0179	GURNSEY C NR CHILDS MEADOWS	No	0	0	0	0
LAVO0180	OLD BOUNDARY SPRINGS NR MANZANITA LAKE CA	Yes	79	0	79	0
LAVO0181	KINGS SPRINGS NR MINERAL CA	Yes	44	0	44	0
LAVO0182	Small Gas Pool South Side Boiling Lake	Yes	48	48	0	0
LAVO0183	Cold Boiling Lake Near Outlet	Yes	96	96	0	0
LAVO0184	Inlet Stream to Crumbaugh Lake	Yes	96	96	0	0
LAVO0185	Crumbaugh Lake Near Center North Shore	Yes	66	66	0	0
LAVO0186	Outlet to Crumbaugh Lake	Yes	54	54	0	0
LAVO0187	CRUMBAUGH LAKE	Yes	34	0	0	34
LAVO0188	Crumbaugh Lake Near Inlet	Yes	96	96	0	0
LAVO0189	45-510 LOST CREEK	Yes	58	16	42	0
LAVO0190	LOST C A HWY 89 NR MANZANITA LK CA	Yes	83	0	83	0
LAVO0191	UNNAMED SPRING AT BUMPASS HELL	Yes	12	0	12	0
LAVO0192	BUMPASS HELL	Yes	25	0	25	0
LAVO0193	WEST PYRITE POOL BUMPASS HELL AREA	Yes	5	5	0	0
LAVO0194	EAST TRIBUTARY AT BUMPASS HELL AREA	Yes	5	5	0	0
LAVO0195	BUMPASS HELL WEIR	Yes	4	4	0	0
LAVO0196	BIG BOILER AT CENTRAL TRIBUTARY AT BUMPASS HELL	Yes	5	5	0	0
LAVO0197	MAIN AREA COMPOSITE AT BUMPASS HELL	Yes	19	0	19	0
LAVO0198	MILL C A HWY 89 & 36 NR MILL C CA	No	87	0	87	0
LAVO0199	MILL CREEK 100 FEET BELOW BRIDGE AT HIGHWAY 36	No	3	0	3	0
LAVO0200	UNNAMED SPRING AT BUMPASS HELL	Yes	17	0	17	0
LAVO0201	MILL C NR MINERAL	No	0	0	0	0
LAVO0202	CANYON CREEK 150 FEET ABOVE GROWLER HOT SPRING	No	3	0	3	0
LAVO0203	GROWLER HOT SPRINGS	No	25	0	25	0
LAVO0204	ONE QUARTER MILE SOUTH OF MILL CREEK BRIDGE	No	15	0	15	0
LAVO0205	MILL CREEK TRIBUTARY FROM MORGAN MTN AT HWY. 36	No	3	0	3	0
LAVO0206	CANYON CREEK 100 FEET BELOW GROWLER HOT SPRING	No	3	0	3	0
LAVO0207	MILL CREEK BELOW CONFLUENCE WITH CANYON CREEK	No	3	0	3	0
LAVO0208	LAKE HELEN NR MINERAL CA	Yes	57	0	57	0
LAVO0209	UNNAMED SPRING NORTHERN SECTION OF BUMPASS HELL	Yes	17	0	17	0
LAVO0210	CANYON CREEK ABOVE CONFLUENCE WITH MILL CREEK	No	3	0	3	0
LAVO0211	MILL CREEK 0.6 MILES ABOVE BRIDGE MORGAN MEADOWS	No	3	0	3	0
LAVO0212	GROWLER HOT SPRING	No	50	0	50	0
LAVO0213	MORGAN HOT SPRINGS	No	24	0	24	0

Station Period of Record Tabulation
From 01/01/01 To 08/17/94

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75
LAVO0214	LITTLE HOT SPRINGS VALLEY	Yes	37	0	37	0
LAVO0215	MILL CREEK BELOW BRIDGE MORGAN MEADOWS	No	6	0	6	0
LAVO0216	LITTLE HOT SPRINGS VALLEY	Yes	19	0	19	0
LAVO0217	BIG BOILER AT OUTLET AT BUMPASS HELL	Yes	19	0	19	0
LAVO0218	EMERALD LAKE	Yes	26	26	0	0
LAVO0219	LITTLE HOT SPRINGS VALLEY	Yes	21	0	21	0
LAVO0220	LITTLE HOT SPRINGS VALLEY	Yes	20	0	20	0
LAVO0221	LITTLE HOT SPRINGS VALLEY	Yes	21	0	0	21
LAVO0222	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	15	0	15	0
LAVO0223	DEPOSITING SPRING AT LITTLE HOT SPRINGS VALLEY	Yes	39	0	39	0
LAVO0224	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	15	0	15	0
LAVO0225	LITTLE GROWLER AT GROWLER/MORGAN HOT SPRINGS	No	66	0	66	0
LAVO0226	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	15	0	15	0
LAVO0227[†]	UPSTREAM OF LITTLE GROWLER HOT SPRINGS	No	66	0	66	0
LAVO0228	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	15	0	15	0
LAVO0229	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	16	0	16	0
LAVO0230	HOTTEST SPRING AT GROWLER/MORGAN HOT SPRINGS	No	22	0	22	0
LAVO0231	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	16	0	16	0
LAVO0232	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	15	0	15	0
LAVO0233	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	16	0	16	0
LAVO0234[†]	EAST SIDE OF CREEK AT LITTLE HOT SPRINGS VALLEY	Yes	56	0	56	0
LAVO0235	LITTLE HOT SPRINGS VALLEY	Yes	19	0	19	0
LAVO0236	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	24	0	24	0
LAVO0237	UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS	No	16	0	16	0
LAVO0238	EAST SIDE OF CREEK AT LITTLE HOT SPRINGS VALLEY	Yes	33	0	33	0
LAVO0239	SPRING ACROSS FROM LITTLE GROWLER HOT SPRING	No	23	0	23	0
LAVO0240	CREEK BELOW MUDPOTS AT LITTLE HOT SPRINGS VALLEY	Yes	20	0	20	0
LAVO0241	SMALL WARM SPRING AT LITTLE HOT SPRINGS VALLEY	Yes	18	0	18	0
LAVO0242	FE2 DEPOSITING SPRING AT SULPHUR WORKS	Yes	32	0	32	0
LAVO0243	52-500 FOREST CREEK (CHALET SYSTEM)	Yes	130	74	56	0
LAVO0244	WF SULPHUR C AT SULPHUR WORKS NR MINERAL CA	Yes	86	0	86	0
LAVO0245	TRAVERTINE DEPOSITING SPRING AT SULPHUR WORKS	Yes	38	0	38	0
LAVO0246	UNNAMED CREEK	Yes	24	0	0	24
LAVO0247	SULFUR WORKS	Yes	16	0	16	0
LAVO0248	CREEK OFF BROKEOFF MOUNTAIN	Yes	13	0	13	0
LAVO0249	SODA SPRINGS NR SODA LAKE NR MINERAL CA	Yes	44	0	44	0
LAVO0250	MAIN HOT AREA OF SULPHUR WORKS	Yes	34	0	34	0
LAVO0251	FES2 DEPOSITING SPRING AT SULPHUR WORKS	Yes	40	0	40	0
LAVO0252	NO NAME SPRINGS NR SULPHUR WORKS NR MINERAL CA	Yes	44	0	44	0
LAVO0253	HEADWATERS OF NANNY CREEK	No	14	0	14	0
LAVO0254	MANZANITA LAKE SPRINGS NR MANZANITA LAKE CA	Yes	44	0	44	0
LAVO0255	45-509 MANZANITA CREEK (MANZANITA LAKE)	Yes	62	21	41	0
LAVO0256	MANZANITA CREEK	Yes	24	0	0	24
LAVO0257	REFLECTION LAKE OUTLET #4 10 FT BELOW SEWER LINE	Yes	169	169	0	0
LAVO0258	Reflection Lake Culvert Outlet	Yes	91	91	0	0
LAVO0259	REFLECTION LK OUTLET #2 UPSTREAM OF SEWER LINE	Yes	161	161	0	0
LAVO0260	Reflection Lake Center of West Third	Yes	16	16	0	0
LAVO0261[†]	Manzanita Creek Lower Bridge	Yes	653	653	0	0
LAVO0262	Reflection Lake Center Third	Yes	20	20	0	0
LAVO0263	Reflection Lake Near Main Sewer Line	Yes	666	666	0	0
LAVO0264	Reflection Lake Center of East Third	Yes	18	18	0	0
LAVO0265	REFLECTION LAKE	Yes	117	0	0	117
LAVO0266	MANZANITA LK NR MANZANITA LK CA	Yes	91	0	91	0
LAVO0267	MANZANITA LAKE	Yes	207	0	0	207
LAVO0268	Manzanita Lake Hubell Test Site	Yes	143	143	0	0
LAVO0269	Manzanita Lake Spillway	Yes	11	11	0	0
LAVO0270	Manzanita Creek Discharge	Yes	116	116	0	0
LAVO0271	ONION SPRINGS NR VIOLA CA	No	44	0	44	0
LAVO0272	BODINES SPRING	No	24	0	0	24
LAVO0273	MANZANITA CREEK NEAR MANZANITA LAKE	No	2023	0	2023	0
LAVO0274	MANZANITA CREEK AT PARK BOUNDARY NR MANZANITA LK	No	542	0	542	0
LAVO0275	Manzanita Creek USGS Gage	No	164	164	0	0
LAVO0276	UNNAMED SPRING	No	24	0	0	24
LAVO0277	52-501 MINERAL HEADQUARTERS (MARTIN CREEK)	No	143	40	103	0
LAVO0278	NF BAILEY C A RD 17 NR VIOLA CA	No	44	0	44	0
LAVO0279	CABIN SPRINGS NR MINERAL CA	No	44	0	44	0
LAVO0280	NF DIGGER C A RD 17 NR MINERAL CA	No	46	0	46	0
LAVO0281	BAILEY C A BROKEOFF MDWS RD NR VIOLA CA	No	83	0	83	0

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

Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Parameter Code	Name	Total Obs	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	875	476	258	141	205	156
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	432	15	0	417	64	55
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	251	251	0	0	23	22
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	24	0	0	24	21	21
00025	BAROMETRIC PRESSURE (MM OF HG)	23	0	23	0	18	8
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	20	2	7	11	13	3
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	78	10	67	1	33	19
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	12	0	0	12	12	2
00055	VELOCITY, STREAM FT/SEC	30	30	0	0	7	7
00058	FLOW, RATE GALLONS/MIN	47	0	47	0	34	23
00061	FLOW, STREAM, INSTANTANEOUS CFS	241	170	62	9	43	22
00064	DEPTH OF STREAM, MEAN (FT)	53	53	0	0	3	3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	33	33	0	0	1	1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	30	0	30	0	21	10
00078	TRANSPARENCY, SECCHI DISC (METERS)	52	29	23	0	32	27
00080	COLOR (PLATINUM-COBALT UNITS)	18	13	5	0	17	12
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	833	182	641	10	26	15
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	229	90	106	33	77	57
00098	SAMPLING STATION LOCATION VERTICAL (METERS)	36	0	36	0	5	4
00154	SULFATE (AS S) WHOLE WATER, MG/L	11	11	0	0	11	7
00300	OXYGEN, DISSOLVED MG/L	749	250	161	338	135	114
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	76	76	0	0	6	6
00400	PH (STANDARD UNITS)	294	15	93	186	57	33
00403	PH, LAB, STANDARD UNITS SU	138	19	117	2	92	55
00405	CARBON DIOXIDE (MG/L AS CO2)	260	75	89	96	72	71
00406	PH, FIELD, STANDARD UNITS SU	586	285	144	157	135	122
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	11	11	0	0	11	7
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	138	41	62	35	42	27
00411	ALKALINITY,METHYLORANGE MG/L	186	21	0	165	29	29
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	167	20	0	147	25	25
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	7	0	0	7	7	5
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1	0	1	0	1	1
00440	BICARBONATE ION (MG/L AS HCO3)	106	8	89	9	69	47
00445	CARBONATE ION (MG/L AS CO3)	37	7	12	18	23	20
00600	NITROGEN, TOTAL (MG/L AS N)	36	0	36	0	27	14
00602	NITROGEN, DISSOLVED (MG/L AS N)	41	0	41	0	27	14
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	36	0	36	0	27	14
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	41	0	41	0	27	14
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	43	0	43	0	27	14
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	64	24	40	0	29	16
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	7	0	7	0	1	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5	0	5	0	5	4
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	8	0	8	0	1	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	5	0	5	0	5	4
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	42	0	42	0	27	14
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	41	0	41	0	27	14
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	43	0	43	0	27	14
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	43	0	43	0	27	14
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	50	0	43	7	34	19
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	164	71	87	6	52	52
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	13	0	13	0	6	4
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	11	11	0	0	11	7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	42	0	42	0	27	14
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	43	0	43	0	27	14
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	13	0	13	0	6	4
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	30	0	30	0	21	10
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	16	11	5	0	16	11
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	4	0	4	0	4	4
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	11	11	0	0	11	7
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	5	0	4	1	2	1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	202	44	142	16	92	76
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	53	0	38	15	37	23
00910	CALCIUM (MG/L AS CACO3)	11	11	0	0	11	7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	138	0	119	19	100	64
00916	CALCIUM, TOTAL (MG/L AS CA)	108	8	99	1	48	47
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	149	11	119	19	111	71
00927	MAGNESIUM, TOTAL (MG/L AS MG)	108	8	99	1	48	47
00929	SODIUM, TOTAL (MG/L AS NA)	21	8	13	0	6	5
00930	SODIUM, DISSOLVED (MG/L AS NA)	139	11	112	16	102	64
00931	SODIUM ADSORPTION RATIO	50	0	43	7	34	19
00932	SODIUM, PERCENT	50	0	43	7	34	19

Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Parameter Code	Name	Total Obs	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00933	SODIUM,PLUS POTASSIUM (MG/L)	2	0	2	0	1	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	149	11	119	19	111	71
00937	POTASSIUM, TOTAL MG/L AS K)	22	8	13	1	6	5
00940	CHLORIDE,TOTAL IN WATER MG/L	98	32	65	1	43	21
00941	CHLORIDE, DISSOLVED IN WATER MG/L	116	11	76	29	94	58
00945	SULFATE, TOTAL (MG/L AS SO4)	117	61	55	1	36	22
00946	SULFATE, DISSOLVED (MG/L AS SO4)	94	0	75	19	72	49
00950	FLUORIDE, DISSOLVED (MG/L AS F)	149	11	119	19	111	71
00951	FLUORIDE, TOTAL (MG/L AS F)	25	8	16	1	6	5
00955	SILICA, DISSOLVED (MG/L AS SI02)	176	41	118	17	110	70
00956	SILICA, TOTAL (MG/L AS SI02)	87	0	87	0	43	43
01000	ARSENIC, DISSOLVED (UG/L AS AS)	13	0	13	0	10	2
01002	ARSENIC, TOTAL (UG/L AS AS)	9	0	4	5	6	5
01005	BARIUM, DISSOLVED (UG/L AS BA)	26	0	26	0	18	10
01007	BARIUM, TOTAL (UG/L AS BA)	4	0	4	0	1	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	1	0	0	1	1	1
01017	BISMUTH, TOTAL (UG/L AS BI)	1	0	0	1	1	1
01020	BORON, DISSOLVED (UG/L AS B)	116	0	88	28	87	54
01027	CADMIUM, TOTAL (UG/L AS CD)	5	0	4	1	2	1
01034	CHROMIUM, TOTAL (UG/L AS CR)	8	3	4	1	3	2
01037	COBALT, TOTAL (UG/L AS CO)	1	0	0	1	1	1
01042	COPPER, TOTAL (UG/L AS CU)	9	4	4	1	3	2
01044	IRON, SUSPENDED (UG/L AS FE)	3	0	3	0	1	0
01045	IRON, TOTAL (UG/L AS FE)	22	10	4	8	10	7
01046	IRON, DISSOLVED (UG/L AS FE)	57	0	49	8	45	35
01051	LEAD, TOTAL (UG/L AS PB)	5	0	4	1	2	1
01055	MANGANESE, TOTAL (UG/L AS MN)	12	7	4	1	3	2
01056	MANGANESE, DISSOLVED (UG/L AS MN)	50	11	39	0	45	34
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	1	0	0	1	1	1
01067	NICKEL, TOTAL (UG/L AS NI)	1	0	0	1	1	1
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	30	0	24	6	23	15
01090	ZINC, DISSOLVED (UG/L AS ZN)	3	0	3	0	3	0
01092	ZINC, TOTAL (UG/L AS ZN)	5	0	4	1	2	1
01105	ALUMINUM, TOTAL (UG/L AS AL)	13	12	0	1	13	9
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20	0	20	0	18	13
01115	CESIUM, DISSOLVED (UG/L AS CS)	38	0	38	0	28	11
01122	GALLIUM, TOTAL (UG/L AS GA)	1	0	0	1	1	1
01127	GERMANIUM, TOTAL (UG/L AS GE)	1	0	0	1	1	1
01130	LITHIUM, DISSOLVED (UG/L AS LI)	84	0	76	8	63	42
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	38	0	38	0	28	11
01152	TITANIUM, TOTAL (UG/L AS TI)	1	0	0	1	1	1
01501	ALPHA, TOTAL	8	1	7	0	2	1
01502	ALPHA, TOTAL, COUNTING ERROR	8	1	7	0	2	1
03501	BETA, TOTAL	7	0	7	0	2	1
03502	BETA, TOTAL, COUNTING ERROR	7	0	7	0	2	1
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	15	0	15	0	1	0
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	16	0	16	0	1	0
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	1	1	0	0	1	1
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	1	1	0	0	1	1
32104	BROMOFORM,WHOLE WATER,UG/L	1	1	0	0	1	1
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	1	1	0	0	1	1
32106	CHLOROFORM,WHOLE WATER,UG/L	1	1	0	0	1	1
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	1	0	0	1	1
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	1	0	0	1	1
34301	CHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34311	CHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34371	ETHYLBENZENE TOTWUG/L	1	1	0	0	1	1
34418	METHYL CHLORIDE TOTWUG/L	1	1	0	0	1	1
34423	METHYLENE CHLORIDE TOTWUG/L	1	1	0	0	1	1
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	1	1	0	0	1	1
34496	1,1-DICHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34501	1,1-DICHLOROETHYLENE TOTWUG/L	1	1	0	0	1	1
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34531	1,2-DICHLOROETHANE TOTWUG/L	1	1	0	0	1	1
34536	1,2-DICHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34541	1,2-DICHLOROPROPANE TOTWUG/L	1	1	0	0	1	1
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	1	1	0	0	1	1
34566	1,3-DICHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34571	1,4-DICHLOROBENZENE TOTWUG/L	1	1	0	0	1	1
34668	DICHLORODIFUOROMETHANE TOTWUG/L	1	1	0	0	1	1

Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Parameter Code	Name	Total Obs	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	1	1	0	0	1	1
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	21	8	13	0	6	5
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	1	0	0	1	1	1
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	9	4	5	0	5	4
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	1	1	0	0	1	1
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	1	1	0	0	1	1
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	9	4	5	0	5	4
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	9	4	5	0	5	4
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	9	4	5	0	5	4
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	9	4	5	0	5	4
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	9	4	5	0	5	4
49130	CHLORINE, TOTAL AVAILABLE, DISSOLVED MG/L	22	22	0	0	2	2
49701	TRANSPARENCY, SECCHI DISK, WATER FT	18	0	0	18	15	15
50040	ELEVATION OF WATER LEVEL WITH REF.TO MEAN SEA L FT	89	89	0	0	2	2
50064	CHLORINE, FREE AVAILABLE (MG/L)	22	22	0	0	2	2
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	11	11	0	0	11	7
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	7	0	0	7	7	5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	133	84	48	1	38	25
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	48	0	42	6	33	20
70302	SOLIDS, DISSOLVED-TONS PER DAY	26	0	26	0	13	4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	38	0	31	7	25	13
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	5	0	5	0	5	4
71814	LANGELIER INDEX, CORROSIVITY, WATER, INDEX NUMBER	3	0	3	0	3	3
71825	ACIDITY, TOTAL (MG/L AS H)	1	0	1	0	1	1
71830	HYDROXIDE ION (MG/L AS OH)	5	2	3	0	3	2
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	6	0	6	0	1	0
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	70	0	70	0	49	29
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	112	8	103	1	49	48
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	90	72	8	10	24	19
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	64	57	7	0	4	3
71875	HYDROGEN SULFIDE (MG/L)	37	10	27	0	24	17
71885	IRON (UG/L AS FE)	11	11	0	0	11	7
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	43	0	43	0	27	14
71887	NITROGEN, TOTAL, AS NO3 - MG/L	36	0	36	0	27	14
71900	MERCURY, TOTAL (UG/L AS HG)	4	0	4	0	1	0
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	128	128	0	0	15	11
74073	FLOW LITERS/MIN	7	0	7	0	7	5
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	11	11	0	0	11	7
81551	XYLENE WHL WATER SMPL UG/L	1	1	0	0	1	1
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	84	0	0	84	35	35
82039	DISSOLVED-SODIUM UG/L (AS NA)	7	0	7	0	7	5
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	13	0	13	0	11	11
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	11	11	0	0	11	7
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	28	0	28	0	27	14
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11	11	0	0	11	7
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	13	0	13	0	10	2
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	19	0	19	0	19	11
84001	AQUIFER NAME CODE (SEE USGS CATALOG)	19	0	19	0	19	11
85334	TEMPERATURE-DEG F, MINIMUM WATER	691	0	691	0	1	0
85335	TEMPERATURE- DEG F , MAXIMUM WATER	691	0	691	0	1	0

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/85-10/23/85	0	1	
LAVO0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0004	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/81-06/17/81	0	16	
LAVO0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/85-10/17/85	0	1	
LAVO0037	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	3	
LAVO0039	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/79-07/16/79	0	3	
LAVO0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/81-09/10/81	0	2	
LAVO0053	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/79-08/04/79	0	2	
LAVO0063	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/79-07/30/79	0	3	
LAVO0065	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/89-06/15/89	0	1	
LAVO0067	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-08/25/79	0	9	
LAVO0071	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-06/18/81	0	10	
LAVO0073	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-08/03/79	0	3	
LAVO0076	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/81-09/10/81	0	2	
LAVO0077	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/79-08/23/79	0	3	
LAVO0078	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/79-08/23/79	0	1	
LAVO0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/81-06/23/81	0	1	
LAVO0082	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0083	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/79-07/14/79	0	3	
LAVO0089	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0090	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/79-07/12/79	0	2	
LAVO0093	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-08/15/76	0	1	
LAVO0095	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/79-06/29/79	0	1	
LAVO0096	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0097	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/79-06/29/79	0	1	
LAVO0100	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/79-06/29/79	0	1	
LAVO0104	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/79-07/31/79	0	1	
LAVO0105	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/26/79-08/26/79	0	1	
LAVO0107	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/79-07/01/79	0	1	
LAVO0108	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/81-06/23/81	0	1	
LAVO0109	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/79-07/22/79	0	1	
LAVO0112	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/79-07/31/79	0	1	
LAVO0116	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/73-08/24/73	0	1	
LAVO0118	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0119	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/79-07/31/79	0	3	
LAVO0120	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/01/76	0	2	
LAVO0121	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/79-07/01/79	0	1	
LAVO0122	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/64-09/05/64	0	1	
LAVO0123	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0124	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-10/18/64	0	8	
LAVO0125	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0126	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0127	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0128	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0129	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-10/18/64	0	8	
LAVO0130	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0131	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/64-09/05/64	0	1	
LAVO0132	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0133	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0134	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0135	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/64-09/06/64	0	1	
LAVO0136	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0137	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0138	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0139	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0140	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0141	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	0	7	
LAVO0142	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-10/18/64	0	8	
LAVO0143	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0145	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/79-08/06/79	0	2	
LAVO0149	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/73-08/23/73	0	1	
LAVO0150	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/94-08/17/94	0	1	
LAVO0151	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	0	1	
LAVO0152	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/13/93-10/13/93	0	1	
LAVO0153	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/86-06/08/88	1	3	
LAVO0154	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/89-07/27/89	0	1	
LAVO0155	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/94-06/02/94	0	1	
LAVO0156	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/64-09/05/64	0	1	
LAVO0158	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-06/18/81	0	3	
LAVO0160	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/89-07/27/89	0	1	
LAVO0161	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/86-06/08/88	1	3	
LAVO0162	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/75-07/17/75	0	1	
LAVO0164	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/13/93-10/13/93	0	1	
LAVO0165	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/94-06/02/94	0	1	
LAVO0166	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/81-09/09/81	0	2	
LAVO0168	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/75-07/17/75	0	1	
LAVO0171	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/89-04/13/89	0	1	
LAVO0172	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/81-09/11/81	0	2	
LAVO0174	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/73-11/26/73	0	1	
LAVO0175	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/81-06/24/81	0	1	
LAVO0176	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0177	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/81-06/24/81	0	1	
LAVO0178	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0180	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/81-06/30/81	0	1	
LAVO0182	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/93-09/29/93	0	8	
LAVO0183	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/93-09/29/93	0	16	
LAVO0184	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/93-09/29/93	0	16	
LAVO0185	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/93-09/24/93	0	11	
LAVO0186	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/93-09/24/93	0	9	
LAVO0188	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/93-09/29/93	0	16	
LAVO0190	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/81-09/09/81	0	2	
LAVO0192	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-08/15/79	0	1	
LAVO0193	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/24/89	0	1	
LAVO0194	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/24/89	0	1	
LAVO0195	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/24/89	0	1	
LAVO0196	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/24/89	0	1	
LAVO0197	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/79-08/01/79	0	1	
LAVO0198	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/81-09/08/81	0	2	
LAVO0199	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	0	1	
LAVO0200	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	0	1	
LAVO0202	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/83-08/02/83	0	1	
LAVO0203	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-08/15/79	0	1	
LAVO0204	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/79-08/21/79	0	1	
LAVO0205	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	0	1	
LAVO0206	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/83-08/02/83	0	1	
LAVO0207	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	0	1	
LAVO0208	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/81-06/16/81	0	2	
LAVO0209	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	0	1	
LAVO0210	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	0	1	
LAVO0211	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	0	1	
LAVO0212	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-08/01/76	1	2	
LAVO0213	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/02/76-09/02/76	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0215	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/83-08/04/83	0	2	
LAVO0216	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/79-08/01/79	0	1	
LAVO0218	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	0	1	
LAVO0219	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/64-07/24/64	0	1	
LAVO0222	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-08/15/76	0	1	
LAVO0224	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0225	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/76-08/24/79	3	3	
LAVO0226	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0227	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/76-08/24/79	2	3	
LAVO0228	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0229	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0230	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	0	1	
LAVO0231	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0232	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0233	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/02/76-09/02/76	0	1	
LAVO0236	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/76-09/03/76	0	1	
LAVO0237	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/02/76	0	2	
LAVO0239	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/03/76	0	2	
LAVO0244	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/81-09/09/81	0	2	
LAVO0245	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/73-08/24/73	0	1	
LAVO0247	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/79-08/22/79	0	1	
LAVO0249	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/81-07/02/81	0	1	
LAVO0250	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/03/76	0	2	
LAVO0252	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/81-06/30/81	0	1	
LAVO0253	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/79-08/22/79	0	1	
LAVO0254	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/18/73-10/18/73	0	1	
LAVO0257	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/86-08/31/86	0	12	
LAVO0258	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/24/89-11/01/89	0	18	
LAVO0259	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/86-08/31/86	0	12	
LAVO0260	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/89-09/06/89	0	8	
LAVO0261	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/05/86-12/17/92	6	121	
LAVO0262	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/89-09/06/89	0	10	
LAVO0263	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/88-10/11/89	1	86	
LAVO0264	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/89-09/06/89	0	9	
LAVO0266	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/81-06/16/81	0	9	
LAVO0268	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/86-08/23/86	0	30	
LAVO0269	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/02/89-10/11/89	0	3	
LAVO0270	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/89-11/06/89	0	21	
LAVO0271	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/81-07/01/81	0	1	
LAVO0272	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/73-11/05/73	0	1	
LAVO0274	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/79-09/23/81	1	23	
LAVO0275	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/89-03/10/92	2	40	
LAVO0276	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/73-08/23/73	0	1	
LAVO0278	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/81-06/25/81	0	1	
LAVO0279	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/81-07/01/81	0	1	
LAVO0280	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/81-06/25/81	0	1	
LAVO0281	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/81-09/10/81	0	2	
LAVO0003	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0007	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/27/60-06/27/60	0	1	
LAVO0008	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/27/60-06/30/60	0	4	
LAVO0009	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/26/60-06/26/60	0	2	
LAVO0010	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	2	
LAVO0011	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	2	
LAVO0012	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-09/17/60	0	46	
LAVO0013	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	2	
LAVO0014	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/23/60-06/23/60	0	2	
LAVO0015	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/07/60-07/07/60	0	6	
LAVO0016	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0017	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/23/60-06/27/60	0	3	
LAVO0018	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	1	
LAVO0019	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	2	
LAVO0021	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/26/60	0	4	
LAVO0022	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/26/60	0	4	
LAVO0024	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-06/15/60	0	2	
LAVO0025	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-06/15/60	0	2	
LAVO0026	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-06/15/60	0	2	
LAVO0027	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	0	2	
LAVO0029	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0030	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-06/15/60	0	2	
LAVO0031	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	0	2	
LAVO0032	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/17/60-06/17/60	0	2	
LAVO0033	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	0	2	
LAVO0034	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0035	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/10/64-08/15/64	0	33	
LAVO0036	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	2	
LAVO0040	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	2	
LAVO0041	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0042	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/09/63-08/26/63	0	15	
LAVO0044	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	0	2	
LAVO0045	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/19/60-09/19/60	0	18	
LAVO0046	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	2	
LAVO0047	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/08/63-08/31/63	0	3	
LAVO0048	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/08/63-08/31/63	0	3	
LAVO0049	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	2	
LAVO0050	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	2	
LAVO0051	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/08/63-08/31/63	0	3	
LAVO0052	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	0	2	
LAVO0054	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	0	2	
LAVO0055	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/22/63-08/31/63	0	4	
LAVO0056	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	2	
LAVO0057	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	2	
LAVO0058	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/17/60-09/08/60	0	42	
LAVO0059	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	2	
LAVO0060	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/22/63-08/31/63	0	4	
LAVO0061	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0062	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/22/63-08/31/63	0	4	
LAVO0066	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/22/63-08/31/63	0	4	
LAVO0069	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/02/63-07/16/93	30	60	T
LAVO0070	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0072	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0081	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0098	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/27/60-07/27/60	0	11	
LAVO0099	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/07/60-08/07/60	0	5	
LAVO0106	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/02/60-08/02/60	0	11	
LAVO0117	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/31/60-07/31/60	0	4	
LAVO0144	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0167	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	0	1	
LAVO0173	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/28/56-07/28/56	0	1	
LAVO0187	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/12/60-08/12/60	0	8	
LAVO0265	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/20/61-09/05/61	0	24	
LAVO0267	Yes	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/24/61-09/05/61	0	44	
LAVO0065	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/15/89-06/15/89	0	1	
LAVO0150	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/94-08/17/94	0	1	
LAVO0152	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/13/93-10/13/93	0	1	
LAVO0153	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/86-06/08/88	1	3	
LAVO0154	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/27/89-07/27/89	0	1	
LAVO0155	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/02/94-06/02/94	0	1	
LAVO0160	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/27/89-07/27/89	0	1	
LAVO0161	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/86-06/08/88	1	3	
LAVO0164	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/13/93-10/13/93	0	1	
LAVO0165	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/02/94-06/02/94	0	1	
LAVO0171	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/89-04/13/89	0	1	
LAVO0193	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-07/24/89	0	1	
LAVO0194	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-07/24/89	0	1	
LAVO0195	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-07/24/89	0	1	
LAVO0196	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-07/24/89	0	1	
LAVO0257	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/22/86-08/31/86	0	12	
LAVO0258	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/24/89-11/01/89	0	15	
LAVO0259	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/22/86-08/31/86	0	12	
LAVO0261	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/05/86-12/17/92	6	119	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0263	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/88-10/11/89	1	20	
LAVO0269	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/02/89-10/11/89	0	3	
LAVO0270	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/89-11/06/89	0	14	
LAVO0275	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/89-03/10/92	2	37	
LAVO0008	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/27/60-06/30/60	0	2	
LAVO0010	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	1	
LAVO0014	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/23/60-06/23/60	0	1	
LAVO0016	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	1	
LAVO0017	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/23/60-06/23/60	0	1	
LAVO0021	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/16/60-06/16/60	0	1	
LAVO0024	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/15/60-06/26/60	0	2	
LAVO0025	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/15/60-06/15/60	0	1	
LAVO0030	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/15/60-06/15/60	0	1	
LAVO0032	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/17/60-06/17/60	0	1	
LAVO0033	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/19/60-09/19/60	0	1	
LAVO0036	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	1	
LAVO0040	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	1	
LAVO0044	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/19/60-09/19/60	0	1	
LAVO0046	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	1	
LAVO0049	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	1	
LAVO0050	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	1	
LAVO0056	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	1	
LAVO0057	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	1	
LAVO0058	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/17/60-09/08/60	0	2	
LAVO0059	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	0	1	
LAVO0043	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/23/81-06/23/81	0	1	
LAVO0076	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/29/81-06/29/81	0	1	
LAVO0166	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/30/81-06/30/81	0	1	
LAVO0172	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/81-06/24/81	0	1	
LAVO0175	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/81-06/24/81	0	1	
LAVO0177	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/30/81-06/30/81	0	1	
LAVO0181	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/30/81-06/30/81	0	1	
LAVO0244	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/23/81-06/23/81	0	1	
LAVO0249	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00025	BAROMETRIC PRESSURE (MM OF HG)	07/01/81-07/01/81	0	1	
LAVO0271	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/01/81-07/01/81	0	1	
LAVO0274	No	00025	BAROMETRIC PRESSURE (MM OF HG)	05/15/80-09/23/81	1	6	
LAVO0278	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/81-06/25/81	0	1	
LAVO0279	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/01/81-07/01/81	0	1	
LAVO0280	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/81-06/25/81	0	1	
LAVO0281	No	00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/81-06/25/81	0	1	
LAVO0003	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0029	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0034	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0041	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0061	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0070	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0072	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0081	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0144	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0167	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	10/24/68-10/24/68	0	1	
LAVO0173	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/28/56-07/28/56	0	1	
LAVO0243	Yes	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	02/23/84-12/04/86	2	4	
LAVO0277	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	05/23/79-05/01/84	4	5	
LAVO0020	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/17/81-06/17/81	0	1	
LAVO0023	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/26/74-06/30/85	11	3	
LAVO0043	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/18/81-06/18/81	0	1	
LAVO0076	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/29/81-09/10/81	0	2	
LAVO0080	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/23/81-06/23/81	0	1	
LAVO0148	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/23/80-07/28/86	6	4	
LAVO0158	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/24/81-09/11/81	0	2	
LAVO0175	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/24/81-06/24/81	0	1	
LAVO0177	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/30/81-06/30/81	0	1	
LAVO0189	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/23/80-06/30/85	4	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0190	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/24/81-09/09/81	0	2	
LAVO0198	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/16/81-06/16/81	0	1	
LAVO0243	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/10/80-02/19/87	6	9	
LAVO0244	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/01/81-07/01/81	0	1	
LAVO0255	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/20/79-06/30/85	6	4	
LAVO0266	Yes	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/16/81-06/16/81	0	1	
LAVO0271	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/01/81-07/01/81	0	1	
LAVO0274	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	10/24/79-07/21/81	1	9	
LAVO0277	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/12/79-02/19/87	7	11	
LAVO0278	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/25/81-06/25/81	0	1	
LAVO0279	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/01/81-07/01/81	0	1	
LAVO0280	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/25/81-06/25/81	0	1	
LAVO0281	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	06/25/81-09/10/81	0	2	
LAVO0003	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0006	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0029	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0034	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0041	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0061	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0070	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0072	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0081	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0144	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0167	No	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0173	Yes	00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	01/01/01-01/01/01	0	1	
LAVO0065	Yes	00055	VELOCITY, STREAM FT/SEC	06/15/89-06/15/89	0	1	
LAVO0171	Yes	00055	VELOCITY, STREAM FT/SEC	04/13/89-04/13/89	0	1	
LAVO0193	Yes	00055	VELOCITY, STREAM FT/SEC	07/24/89-07/24/89	0	1	
LAVO0194	Yes	00055	VELOCITY, STREAM FT/SEC	07/24/89-07/24/89	0	1	
LAVO0195	Yes	00055	VELOCITY, STREAM FT/SEC	07/24/89-07/24/89	0	1	
LAVO0196	Yes	00055	VELOCITY, STREAM FT/SEC	07/24/89-07/24/89	0	1	
LAVO0261	Yes	00055	VELOCITY, STREAM FT/SEC	03/05/86-12/03/87	1	24	
LAVO0093	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-07/31/79	2	2	
LAVO0104	Yes	00058	FLOW, RATE GALLONS/MIN	07/31/79-07/31/79	0	1	
LAVO0120	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-09/01/76	0	2	
LAVO0162	Yes	00058	FLOW, RATE GALLONS/MIN	07/31/79-07/31/79	0	1	
LAVO0168	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00058	FLOW, RATE GALLONS/MIN	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00058	FLOW, RATE GALLONS/MIN	07/17/75-07/17/75	0	1	
LAVO0197	Yes	00058	FLOW, RATE GALLONS/MIN	08/01/79-08/01/79	0	1	
LAVO0204	No	00058	FLOW, RATE GALLONS/MIN	08/21/79-08/21/79	0	1	
LAVO0209	Yes	00058	FLOW, RATE GALLONS/MIN	07/16/75-07/16/75	0	1	
LAVO0212	No	00058	FLOW, RATE GALLONS/MIN	07/16/75-08/01/76	1	2	
LAVO0214	Yes	00058	FLOW, RATE GALLONS/MIN	09/02/76-09/02/76	0	1	
LAVO0217	Yes	00058	FLOW, RATE GALLONS/MIN	08/01/79-08/01/79	0	1	
LAVO0219	Yes	00058	FLOW, RATE GALLONS/MIN	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00058	FLOW, RATE GALLONS/MIN	09/02/76-09/02/76	0	1	
LAVO0223	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-09/02/76	0	2	
LAVO0225	No	00058	FLOW, RATE GALLONS/MIN	08/01/76-09/03/76	0	2	
LAVO0227	No	00058	FLOW, RATE GALLONS/MIN	09/03/76-08/24/79	2	3	
LAVO0229	No	00058	FLOW, RATE GALLONS/MIN	08/24/79-08/24/79	0	1	
LAVO0230	No	00058	FLOW, RATE GALLONS/MIN	07/16/75-07/16/75	0	1	
LAVO0231	No	00058	FLOW, RATE GALLONS/MIN	08/24/79-08/24/79	0	1	
LAVO0233	No	00058	FLOW, RATE GALLONS/MIN	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-08/01/79	2	2	
LAVO0235	Yes	00058	FLOW, RATE GALLONS/MIN	09/02/76-09/02/76	0	1	
LAVO0236	No	00058	FLOW, RATE GALLONS/MIN	09/03/76-09/03/76	0	1	
LAVO0237	No	00058	FLOW, RATE GALLONS/MIN	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-09/02/76	0	2	
LAVO0239	No	00058	FLOW, RATE GALLONS/MIN	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00058	FLOW, RATE GALLONS/MIN	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00058	FLOW, RATE GALLONS/MIN	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-09/03/76	0	2	
LAVO0245	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-09/02/76	0	2	
LAVO0250	Yes	00058	FLOW, RATE GALLONS/MIN	07/17/75-07/17/75	0	1	
LAVO0251	Yes	00058	FLOW, RATE GALLONS/MIN	08/15/76-09/03/76	0	2	
LAVO0043	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/81-09/10/81	0	2	
LAVO0047	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/03/63-08/31/63	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0060	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/17/63-08/31/63	0	4	
LAVO0065	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/15/89-06/15/89	0	1	
LAVO0066	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/22/63-08/31/63	0	2	
LAVO0076	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/29/81-09/10/81	0	2	
LAVO0080	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/81-06/23/81	0	1	
LAVO0166	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/30/81-09/09/81	0	2	
LAVO0171	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/13/89-04/13/89	0	1	
LAVO0172	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/81-09/11/81	0	2	
LAVO0175	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/81-06/24/81	0	1	
LAVO0177	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/81-09/09/81	0	2	
LAVO0193	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-07/24/89	0	1	
LAVO0194	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-07/24/89	0	1	
LAVO0195	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-07/24/89	0	1	
LAVO0196	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-07/24/89	0	1	
LAVO0198	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/22/81-09/08/81	0	2	
LAVO0199	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	0	1	
LAVO0202	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/02/83-08/02/83	0	1	
LAVO0205	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	0	1	
LAVO0206	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/02/83-08/02/83	0	1	
LAVO0207	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	0	1	
LAVO0210	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	0	1	
LAVO0211	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	0	1	
LAVO0215	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/02/83-08/04/83	0	2	
LAVO0244	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/01/81-07/01/81	0	1	
LAVO0258	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/24/89-05/11/89	0	9	
LAVO0261	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/05/86-03/06/90	4	96	
LAVO0270	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/10/89-11/06/89	0	23	
LAVO0271	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/01/81-07/01/81	0	1	
LAVO0274	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/24/79-09/23/81	1	23	
LAVO0275	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	05/03/89-03/08/91	1	36	
LAVO0278	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/81-06/25/81	0	1	
LAVO0279	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/01/81-07/01/81	0	1	
LAVO0280	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/81-06/25/81	0	1	
LAVO0281	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/81-09/10/81	0	2	
LAVO0065	Yes	00064	DEPTH OF STREAM, MEAN (FT)	06/15/89-06/15/89	0	1	
LAVO0171	Yes	00064	DEPTH OF STREAM, MEAN (FT)	04/13/89-04/13/89	0	1	
LAVO0261	Yes	00064	DEPTH OF STREAM, MEAN (FT)	03/05/86-08/28/89	3	51	T
LAVO0263	Yes	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/12/88-10/25/88	0	33	
LAVO0043	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/81-09/10/81	0	2	
LAVO0076	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/29/81-09/10/81	0	2	
LAVO0080	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/81-06/23/81	0	1	
LAVO0166	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/81-09/11/81	0	2	
LAVO0175	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/81-06/24/81	0	1	
LAVO0177	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/81-09/09/81	0	2	
LAVO0198	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/81-09/08/81	0	2	
LAVO0244	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/01/81-07/01/81	0	1	
LAVO0271	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/01/81-07/01/81	0	1	
LAVO0278	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/25/81-06/25/81	0	1	
LAVO0279	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/01/81-07/01/81	0	1	
LAVO0280	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/25/81-06/25/81	0	1	
LAVO0281	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/25/81-09/10/81	0	2	
LAVO0001	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/23/85-10/23/85	0	1	
LAVO0002	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	0	1	
LAVO0004	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/17/81-06/17/81	0	1	
LAVO0028	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/17/85-10/17/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0037	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/04/79-08/04/79	0	1	
LAVO0038	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/24/79-08/24/79	0	1	
LAVO0039	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/16/79-07/16/79	0	1	
LAVO0064	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/30/79-07/30/79	0	1	
LAVO0068	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/08/79-08/25/79	0	3	
LAVO0071	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/18/81-06/18/81	0	1	
LAVO0074	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/03/79-08/03/79	0	1	
LAVO0077	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/23/79-08/23/79	0	1	
LAVO0088	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/79-07/14/79	0	1	
LAVO0089	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	0	1	
LAVO0090	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/79-08/16/79	0	2	
LAVO0091	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/79-07/12/79	0	1	
LAVO0096	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	0	1	
LAVO0101	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/27/79-07/27/79	0	1	
LAVO0102	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/11/79-08/11/79	0	1	
LAVO0119	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/31/79-07/31/79	0	1	
LAVO0143	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	0	1	
LAVO0145	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/24/79-07/24/79	0	1	
LAVO0147	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/06/79-08/06/79	0	1	
LAVO0158	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/18/81-06/18/81	0	1	
LAVO0176	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	0	1	
LAVO0208	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/16/81-06/16/81	0	1	
LAVO0218	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	0	1	
LAVO0263	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/06/88-10/25/88	0	16	
LAVO0266	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/16/81-06/16/81	0	1	
LAVO0268	Yes	00078	TRANSPARENCY, SECCHI DISC (METERS)	06/26/86-08/23/86	0	3	
LAVO0001	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/23/85-10/23/85	0	1	
LAVO0002	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0004	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/17/81-06/17/81	0	1	
LAVO0028	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/17/85-10/17/85	0	1	
LAVO0071	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/18/81-06/18/81	0	1	
LAVO0089	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0143	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0158	No	00080	COLOR (PLATINUM-COBALT UNITS)	06/18/81-06/18/81	0	1	
LAVO0176	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0208	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/16/81-06/16/81	0	1	
LAVO0218	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	0	1	
LAVO0263	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	08/30/88-10/25/88	0	2	
LAVO0266	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	06/16/81-06/16/81	0	1	
LAVO0003	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0029	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0034	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0041	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0061	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0065	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/89-06/15/89	0	1	
LAVO0070	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0072	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0081	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0144	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0154	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/89-07/27/89	0	1	
LAVO0160	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/89-07/27/89	0	1	
LAVO0167	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	0	1	
LAVO0182	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/93-09/29/93	0	8	
LAVO0183	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/93-09/29/93	0	16	
LAVO0184	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/93-09/29/93	0	16	
LAVO0185	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/24/93-09/24/93	0	11	
LAVO0186	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/24/93-09/24/93	0	9	
LAVO0188	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/93-09/29/93	0	16	
LAVO0258	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/23/89-10/30/89	0	8	
LAVO0261	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/89-12/17/92	3	45	T
LAVO0263	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/11/89-10/11/89	0	4	
LAVO0269	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/10/89-10/11/89	0	2	
LAVO0270	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/10/89-11/06/89	0	20	
LAVO0273	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/79-09/30/81	1	641	
LAVO0275	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/10/89-03/10/92	2	24	
LAVO0001	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/85-10/23/85	0	1	
LAVO0002	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	0	1	
LAVO0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	10/24/85-10/24/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0005	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/81-06/17/81	0	16	
LAVO0023	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/80-06/30/85	4	2	
LAVO0028	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/85-10/17/85	0	1	
LAVO0043	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/81-06/18/81	0	10	
LAVO0076	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/81-09/10/81	0	2	
LAVO0080	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/81-06/23/81	0	1	
LAVO0089	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	0	1	
LAVO0108	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/73-08/24/73	0	1	
LAVO0118	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	0	1	
LAVO0122	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/64-09/05/64	0	1	
LAVO0123	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0124	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/64-10/18/64	0	2	
LAVO0125	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0126	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0128	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0129	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/64-10/18/64	0	2	
LAVO0130	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0131	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/64-09/05/64	0	1	
LAVO0132	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0133	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0134	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0135	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/06/64-09/06/64	0	1	
LAVO0136	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0137	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0138	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0139	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0140	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0141	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	0	1	
LAVO0142	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/64-10/18/64	0	2	
LAVO0143	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	0	1	
LAVO0148	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/80-07/28/86	6	3	
LAVO0149	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/73-08/23/73	0	1	
LAVO0157	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/64-09/05/64	0	1	
LAVO0158	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/81-06/18/81	0	3	
LAVO0166	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/26/73-11/26/73	0	1	
LAVO0175	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/81-06/24/81	0	1	
LAVO0176	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	0	1	
LAVO0177	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/81-06/30/81	0	1	
LAVO0189	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/80-06/30/85	4	3	
LAVO0190	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/81-09/09/81	0	2	
LAVO0198	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/81-06/16/81	0	2	
LAVO0218	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	0	1	
LAVO0221	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/64-07/24/64	0	1	
LAVO0243	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/80-02/19/87	6	4	
LAVO0244	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/81-09/09/81	0	2	
LAVO0246	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/73-08/24/73	0	1	
LAVO0249	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/81-07/01/81	0	1	
LAVO0255	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/20/79-06/30/85	6	3	
LAVO0256	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/73-10/18/73	0	1	
LAVO0257	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/86-08/31/86	0	12	
LAVO0259	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/86-08/31/86	0	12	
LAVO0263	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/88-10/25/88	0	47	
LAVO0266	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/81-06/16/81	0	9	
LAVO0271	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/81-07/01/81	0	1	
LAVO0272	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/73-11/05/73	0	1	
LAVO0274	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/79-09/23/81	1	23	
LAVO0276	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/73-08/23/73	0	1	
LAVO0277	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/79-02/19/87	7	6	
LAVO0278	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/81-06/25/81	0	1	
LAVO0279	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM 25C)	07/01/81-07/01/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0280	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/81-06/25/81	0	1	
LAVO0281	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	06/17/81-06/17/81	0	15	
LAVO0071	Yes	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	06/18/81-06/18/81	0	9	
LAVO0158	No	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	06/18/81-06/18/81	0	2	
LAVO0208	Yes	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	06/16/81-06/16/81	0	2	
LAVO0266	Yes	00098	SAMPLING STATION LOCATION VERTICAL (METERS)	06/16/81-06/16/81	0	8	
LAVO0001	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/23/85-10/23/85	0	1	
LAVO0002	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0004	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0028	No	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/17/85-10/17/85	0	1	
LAVO0089	Yes	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0096	Yes	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0118	Yes	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0143	Yes	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0176	Yes	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0218	Yes	00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	0	1	
LAVO0003	No	00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	0	1	
LAVO0007	Yes	00300	OXYGEN, DISSOLVED MG/L	06/27/60-06/27/60	0	1	
LAVO0008	Yes	00300	OXYGEN, DISSOLVED MG/L	06/27/60-06/30/60	0	2	
LAVO0009	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/60-06/26/60	0	1	
LAVO0010	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	0	2	
LAVO0011	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	0	1	
LAVO0012	Yes	00300	OXYGEN, DISSOLVED MG/L	06/15/60-09/17/60	0	40	
LAVO0013	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	0	2	
LAVO0014	Yes	00300	OXYGEN, DISSOLVED MG/L	06/23/60-06/23/60	0	2	
LAVO0015	Yes	00300	OXYGEN, DISSOLVED MG/L	07/07/60-07/07/60	0	6	
LAVO0016	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	0	1	
LAVO0017	Yes	00300	OXYGEN, DISSOLVED MG/L	06/23/60-06/27/60	0	3	
LAVO0018	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	0	1	
LAVO0020	Yes	00300	OXYGEN, DISSOLVED MG/L	06/17/81-06/17/81	0	4	
LAVO0021	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/26/60	0	4	
LAVO0022	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/26/60	0	3	
LAVO0024	Yes	00300	OXYGEN, DISSOLVED MG/L	06/15/60-06/26/60	0	4	
LAVO0025	Yes	00300	OXYGEN, DISSOLVED MG/L	06/15/60-06/15/60	0	1	
LAVO0026	Yes	00300	OXYGEN, DISSOLVED MG/L	06/15/60-06/15/60	0	2	
LAVO0027	Yes	00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	0	2	
LAVO0030	Yes	00300	OXYGEN, DISSOLVED MG/L	06/15/60-06/15/60	0	1	
LAVO0031	Yes	00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	0	2	
LAVO0032	Yes	00300	OXYGEN, DISSOLVED MG/L	06/17/60-06/17/60	0	2	
LAVO0033	Yes	00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	0	2	
LAVO0034	No	00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	0	1	
LAVO0035	Yes	00300	OXYGEN, DISSOLVED MG/L	07/10/64-08/15/64	0	33	
LAVO0036	Yes	00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	0	2	
LAVO0037	Yes	00300	OXYGEN, DISSOLVED MG/L	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00300	OXYGEN, DISSOLVED MG/L	08/24/79-08/24/79	0	3	
LAVO0040	Yes	00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	0	2	
LAVO0041	No	00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	0	1	
LAVO0042	Yes	00300	OXYGEN, DISSOLVED MG/L	08/09/63-08/26/63	0	15	
LAVO0043	No	00300	OXYGEN, DISSOLVED MG/L	06/23/81-09/10/81	0	2	
LAVO0044	Yes	00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	0	2	
LAVO0045	Yes	00300	OXYGEN, DISSOLVED MG/L	08/19/60-09/19/60	0	14	
LAVO0046	Yes	00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	0	2	
LAVO0049	Yes	00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	0	2	
LAVO0050	Yes	00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	0	2	
LAVO0052	Yes	00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	0	2	
LAVO0053	Yes	00300	OXYGEN, DISSOLVED MG/L	08/04/79-08/04/79	0	1	
LAVO0054	Yes	00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	0	2	
LAVO0056	Yes	00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	0	2	
LAVO0057	Yes	00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	0	2	
LAVO0058	Yes	00300	OXYGEN, DISSOLVED MG/L	08/17/60-09/08/60	0	22	
LAVO0059	Yes	00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	0	2	
LAVO0061	No	00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	0	1	
LAVO0063	Yes	00300	OXYGEN, DISSOLVED MG/L	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00300	OXYGEN, DISSOLVED MG/L	07/30/79-07/30/79	0	3	
LAVO0067	Yes	00300	OXYGEN, DISSOLVED MG/L	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00300	OXYGEN, DISSOLVED MG/L	07/20/79-08/25/79	0	6	
LAVO0069	Yes	00300	OXYGEN, DISSOLVED MG/L	07/02/63-07/16/93	30	60	T
LAVO0070	No	00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	0	1	
LAVO0071	Yes	00300	OXYGEN, DISSOLVED MG/L	06/18/81-06/18/81	0	10	
LAVO0072	No	00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0073	Yes	00300	OXYGEN, DISSOLVED MG/L	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00300	OXYGEN, DISSOLVED MG/L	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00300	OXYGEN, DISSOLVED MG/L	07/08/79-08/03/79	0	3	
LAVO0076	No	00300	OXYGEN, DISSOLVED MG/L	06/29/81-09/10/81	0	2	
LAVO0077	Yes	00300	OXYGEN, DISSOLVED MG/L	08/23/79-08/23/79	0	3	
LAVO0078	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00300	OXYGEN, DISSOLVED MG/L	08/23/79-08/23/79	0	1	
LAVO0080	No	00300	OXYGEN, DISSOLVED MG/L	06/23/81-06/23/81	0	1	
LAVO0083	Yes	00300	OXYGEN, DISSOLVED MG/L	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00300	OXYGEN, DISSOLVED MG/L	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00300	OXYGEN, DISSOLVED MG/L	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00300	OXYGEN, DISSOLVED MG/L	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00300	OXYGEN, DISSOLVED MG/L	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00300	OXYGEN, DISSOLVED MG/L	07/14/79-07/14/79	0	3	
LAVO0090	Yes	00300	OXYGEN, DISSOLVED MG/L	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00300	OXYGEN, DISSOLVED MG/L	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00300	OXYGEN, DISSOLVED MG/L	06/27/79-07/12/79	0	2	
LAVO0095	Yes	00300	OXYGEN, DISSOLVED MG/L	06/29/79-06/29/79	0	1	
LAVO0097	Yes	00300	OXYGEN, DISSOLVED MG/L	06/29/79-06/29/79	0	1	
LAVO0098	Yes	00300	OXYGEN, DISSOLVED MG/L	07/27/60-07/27/60	0	6	
LAVO0099	Yes	00300	OXYGEN, DISSOLVED MG/L	08/07/60-08/07/60	0	5	
LAVO0100	Yes	00300	OXYGEN, DISSOLVED MG/L	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00300	OXYGEN, DISSOLVED MG/L	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00300	OXYGEN, DISSOLVED MG/L	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00300	OXYGEN, DISSOLVED MG/L	06/29/79-06/29/79	0	1	
LAVO0105	Yes	00300	OXYGEN, DISSOLVED MG/L	08/26/79-08/26/79	0	1	
LAVO0106	Yes	00300	OXYGEN, DISSOLVED MG/L	08/02/60-08/02/60	0	11	
LAVO0107	Yes	00300	OXYGEN, DISSOLVED MG/L	07/01/79-07/01/79	0	1	
LAVO0108	Yes	00300	OXYGEN, DISSOLVED MG/L	06/23/81-06/23/81	0	1	
LAVO0109	Yes	00300	OXYGEN, DISSOLVED MG/L	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00300	OXYGEN, DISSOLVED MG/L	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00300	OXYGEN, DISSOLVED MG/L	07/22/79-07/22/79	0	1	
LAVO0112	Yes	00300	OXYGEN, DISSOLVED MG/L	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00300	OXYGEN, DISSOLVED MG/L	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00300	OXYGEN, DISSOLVED MG/L	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00300	OXYGEN, DISSOLVED MG/L	07/31/79-07/31/79	0	1	
LAVO0117	Yes	00300	OXYGEN, DISSOLVED MG/L	07/31/60-07/31/60	0	4	
LAVO0119	Yes	00300	OXYGEN, DISSOLVED MG/L	07/31/79-07/31/79	0	3	
LAVO0121	Yes	00300	OXYGEN, DISSOLVED MG/L	07/01/79-07/01/79	0	1	
LAVO0144	No	00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	0	1	
LAVO0145	Yes	00300	OXYGEN, DISSOLVED MG/L	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00300	OXYGEN, DISSOLVED MG/L	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00300	OXYGEN, DISSOLVED MG/L	08/06/79-08/06/79	0	2	
LAVO0158	No	00300	OXYGEN, DISSOLVED MG/L	06/18/81-06/18/81	0	3	
LAVO0166	Yes	00300	OXYGEN, DISSOLVED MG/L	06/30/81-09/09/81	0	2	
LAVO0167	No	00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	0	1	
LAVO0172	Yes	00300	OXYGEN, DISSOLVED MG/L	06/24/81-09/11/81	0	2	
LAVO0175	No	00300	OXYGEN, DISSOLVED MG/L	06/24/81-06/24/81	0	1	
LAVO0177	No	00300	OXYGEN, DISSOLVED MG/L	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00300	OXYGEN, DISSOLVED MG/L	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00300	OXYGEN, DISSOLVED MG/L	06/30/81-06/30/81	0	1	
LAVO0182	Yes	00300	OXYGEN, DISSOLVED MG/L	09/29/93-09/29/93	0	8	
LAVO0183	Yes	00300	OXYGEN, DISSOLVED MG/L	09/29/93-09/29/93	0	16	
LAVO0184	Yes	00300	OXYGEN, DISSOLVED MG/L	09/29/93-09/29/93	0	16	
LAVO0185	Yes	00300	OXYGEN, DISSOLVED MG/L	09/24/93-09/24/93	0	11	
LAVO0186	Yes	00300	OXYGEN, DISSOLVED MG/L	09/24/93-09/24/93	0	9	
LAVO0187	Yes	00300	OXYGEN, DISSOLVED MG/L	08/12/60-08/12/60	0	6	
LAVO0188	Yes	00300	OXYGEN, DISSOLVED MG/L	09/29/93-09/29/93	0	16	
LAVO0190	Yes	00300	OXYGEN, DISSOLVED MG/L	06/24/81-09/09/81	0	2	
LAVO0198	No	00300	OXYGEN, DISSOLVED MG/L	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/81-06/16/81	0	2	
LAVO0244	Yes	00300	OXYGEN, DISSOLVED MG/L	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00300	OXYGEN, DISSOLVED MG/L	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00300	OXYGEN, DISSOLVED MG/L	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00300	OXYGEN, DISSOLVED MG/L	07/01/81-07/01/81	0	1	
LAVO0257	Yes	00300	OXYGEN, DISSOLVED MG/L	07/05/86-08/31/86	0	10	
LAVO0259	Yes	00300	OXYGEN, DISSOLVED MG/L	07/05/86-08/31/86	0	10	
LAVO0260	Yes	00300	OXYGEN, DISSOLVED MG/L	09/05/89-09/06/89	0	8	
LAVO0262	Yes	00300	OXYGEN, DISSOLVED MG/L	09/05/89-09/06/89	0	10	
LAVO0263	Yes	00300	OXYGEN, DISSOLVED MG/L	07/06/88-10/25/88	0	82	
LAVO0264	Yes	00300	OXYGEN, DISSOLVED MG/L	09/05/89-09/06/89	0	9	
LAVO0265	Yes	00300	OXYGEN, DISSOLVED MG/L	06/20/61-09/05/61	0	23	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0266	Yes	00300	OXYGEN, DISSOLVED MG/L	06/16/81-06/16/81	0	9	
LAVO0267	Yes	00300	OXYGEN, DISSOLVED MG/L	06/24/61-09/05/61	0	39	
LAVO0268	Yes	00300	OXYGEN, DISSOLVED MG/L	06/26/86-08/23/86	0	30	
LAVO0271	No	00300	OXYGEN, DISSOLVED MG/L	07/01/81-07/01/81	0	1	
LAVO0274	No	00300	OXYGEN, DISSOLVED MG/L	10/24/79-09/23/81	1	23	
LAVO0278	No	00300	OXYGEN, DISSOLVED MG/L	06/25/81-06/25/81	0	1	
LAVO0279	No	00300	OXYGEN, DISSOLVED MG/L	07/01/81-07/01/81	0	1	
LAVO0280	No	00300	OXYGEN, DISSOLVED MG/L	06/25/81-06/25/81	0	1	
LAVO0281	No	00300	OXYGEN, DISSOLVED MG/L	06/25/81-09/10/81	0	2	
LAVO0182	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/29/93-09/29/93	0	8	
LAVO0183	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/29/93-09/29/93	0	16	
LAVO0184	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/29/93-09/29/93	0	16	
LAVO0185	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/24/93-09/24/93	0	11	
LAVO0186	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/24/93-09/24/93	0	9	
LAVO0188	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/29/93-09/29/93	0	16	
LAVO0003	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0020	Yes	00400	PH (STANDARD UNITS)	06/17/81-06/17/81	0	16	
LAVO0029	Yes	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0034	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0035	Yes	00400	PH (STANDARD UNITS)	07/10/64-08/15/64	0	33	
LAVO0041	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0042	Yes	00400	PH (STANDARD UNITS)	08/09/63-08/26/63	0	15	
LAVO0043	No	00400	PH (STANDARD UNITS)	06/23/81-09/10/81	0	2	
LAVO0061	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0069	Yes	00400	PH (STANDARD UNITS)	07/02/63-07/16/93	30	60	T
LAVO0070	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0071	Yes	00400	PH (STANDARD UNITS)	06/18/81-06/18/81	0	10	
LAVO0072	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0076	No	00400	PH (STANDARD UNITS)	06/29/81-09/10/81	0	2	
LAVO0080	No	00400	PH (STANDARD UNITS)	06/23/81-06/23/81	0	1	
LAVO0081	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0108	Yes	00400	PH (STANDARD UNITS)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00400	PH (STANDARD UNITS)	08/24/73-08/24/73	0	1	
LAVO0122	Yes	00400	PH (STANDARD UNITS)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00400	PH (STANDARD UNITS)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00400	PH (STANDARD UNITS)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00400	PH (STANDARD UNITS)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	00400	PH (STANDARD UNITS)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00400	PH (STANDARD UNITS)	08/24/64-08/24/64	0	1	
LAVO0144	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0149	Yes	00400	PH (STANDARD UNITS)	08/23/73-08/23/73	0	1	
LAVO0157	Yes	00400	PH (STANDARD UNITS)	09/05/64-09/05/64	0	1	
LAVO0158	No	00400	PH (STANDARD UNITS)	06/18/81-06/18/81	0	3	
LAVO0166	Yes	00400	PH (STANDARD UNITS)	06/30/81-09/09/81	0	2	
LAVO0167	No	00400	PH (STANDARD UNITS)	10/24/68-10/24/68	0	1	
LAVO0172	Yes	00400	PH (STANDARD UNITS)	06/24/81-09/11/81	0	2	
LAVO0174	Yes	00400	PH (STANDARD UNITS)	11/26/73-11/26/73	0	1	
LAVO0175	No	00400	PH (STANDARD UNITS)	06/24/81-06/24/81	0	1	
LAVO0177	No	00400	PH (STANDARD UNITS)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00400	PH (STANDARD UNITS)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00400	PH (STANDARD UNITS)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00400	PH (STANDARD UNITS)	06/24/81-09/09/81	0	2	
LAVO0198	No	00400	PH (STANDARD UNITS)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00400	PH (STANDARD UNITS)	06/16/81-06/16/81	0	2	
LAVO0221	Yes	00400	PH (STANDARD UNITS)	07/24/64-07/24/64	0	1	
LAVO0244	Yes	00400	PH (STANDARD UNITS)	06/23/81-09/09/81	0	2	
LAVO0246	Yes	00400	PH (STANDARD UNITS)	08/24/73-08/24/73	0	1	
LAVO0249	Yes	00400	PH (STANDARD UNITS)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00400	PH (STANDARD UNITS)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00400	PH (STANDARD UNITS)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00400	PH (STANDARD UNITS)	10/18/73-10/18/73	0	1	
LAVO0265	Yes	00400	PH (STANDARD UNITS)	06/20/61-09/05/61	0	24	
LAVO0266	Yes	00400	PH (STANDARD UNITS)	06/16/81-06/16/81	0	9	
LAVO0267	Yes	00400	PH (STANDARD UNITS)	06/24/61-09/05/61	0	44	
LAVO0271	No	00400	PH (STANDARD UNITS)	07/01/81-07/01/81	0	1	
LAVO0272	No	00400	PH (STANDARD UNITS)	11/05/73-11/05/73	0	1	
LAVO0274	No	00400	PH (STANDARD UNITS)	10/24/79-09/23/81	1	23	
LAVO0276	No	00400	PH (STANDARD UNITS)	08/23/73-08/23/73	0	1	
LAVO0278	No	00400	PH (STANDARD UNITS)	06/25/81-06/25/81	0	1	
LAVO0279	No	00400	PH (STANDARD UNITS)	07/01/81-07/01/81	0	1	
LAVO0280	No	00400	PH (STANDARD UNITS)	06/25/81-06/25/81	0	1	
LAVO0281	No	00400	PH (STANDARD UNITS)	06/25/81-09/10/81	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0001	No	00403	PH, LAB, STANDARD UNITS SU	10/23/85-10/23/85	0	1	
LAVO0002	No	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0004	No	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00403	PH, LAB, STANDARD UNITS SU	06/17/81-06/17/81	0	1	
LAVO0023	Yes	00403	PH, LAB, STANDARD UNITS SU	06/26/74-06/30/85	11	3	
LAVO0028	No	00403	PH, LAB, STANDARD UNITS SU	10/17/85-10/17/85	0	1	
LAVO0043	No	00403	PH, LAB, STANDARD UNITS SU	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00403	PH, LAB, STANDARD UNITS SU	06/18/81-06/18/81	0	1	
LAVO0076	No	00403	PH, LAB, STANDARD UNITS SU	06/29/81-09/10/81	0	2	
LAVO0080	No	00403	PH, LAB, STANDARD UNITS SU	06/23/81-06/23/81	0	1	
LAVO0082	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0089	Yes	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0093	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-07/31/79	2	2	
LAVO0096	Yes	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0104	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/79-07/31/79	0	1	
LAVO0108	Yes	00403	PH, LAB, STANDARD UNITS SU	06/23/81-06/23/81	0	1	
LAVO0118	Yes	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0120	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/01/76	0	2	
LAVO0143	Yes	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0148	Yes	00403	PH, LAB, STANDARD UNITS SU	07/23/80-07/28/86	6	3	
LAVO0151	Yes	00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0158	No	00403	PH, LAB, STANDARD UNITS SU	06/18/81-06/18/81	0	1	
LAVO0159	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00403	PH, LAB, STANDARD UNITS SU	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00403	PH, LAB, STANDARD UNITS SU	07/17/75-07/31/79	4	2	
LAVO0166	Yes	00403	PH, LAB, STANDARD UNITS SU	06/30/81-09/09/81	0	2	
LAVO0168	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00403	PH, LAB, STANDARD UNITS SU	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00403	PH, LAB, STANDARD UNITS SU	07/17/75-07/17/75	0	1	
LAVO0172	Yes	00403	PH, LAB, STANDARD UNITS SU	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00403	PH, LAB, STANDARD UNITS SU	07/28/56-07/28/56	0	1	
LAVO0175	No	00403	PH, LAB, STANDARD UNITS SU	06/24/81-06/24/81	0	1	
LAVO0176	Yes	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0177	No	00403	PH, LAB, STANDARD UNITS SU	06/24/81-06/24/81	0	1	
LAVO0178	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0180	Yes	00403	PH, LAB, STANDARD UNITS SU	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00403	PH, LAB, STANDARD UNITS SU	06/30/81-06/30/81	0	1	
LAVO0189	Yes	00403	PH, LAB, STANDARD UNITS SU	07/23/80-06/30/85	4	3	
LAVO0190	Yes	00403	PH, LAB, STANDARD UNITS SU	06/24/81-09/09/81	0	2	
LAVO0191	Yes	00403	PH, LAB, STANDARD UNITS SU	07/15/79-07/15/79	0	1	
LAVO0197	Yes	00403	PH, LAB, STANDARD UNITS SU	08/01/79-08/01/79	0	1	
LAVO0198	No	00403	PH, LAB, STANDARD UNITS SU	06/22/81-09/08/81	0	2	
LAVO0200	Yes	00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0204	No	00403	PH, LAB, STANDARD UNITS SU	08/21/79-08/21/79	0	1	
LAVO0208	Yes	00403	PH, LAB, STANDARD UNITS SU	06/16/81-06/16/81	0	1	
LAVO0209	Yes	00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0212	No	00403	PH, LAB, STANDARD UNITS SU	07/16/75-08/01/76	1	2	
LAVO0214	Yes	00403	PH, LAB, STANDARD UNITS SU	09/02/76-09/15/77	1	2	
LAVO0217	Yes	00403	PH, LAB, STANDARD UNITS SU	08/01/79-08/01/79	0	1	
LAVO0218	Yes	00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	0	1	
LAVO0219	Yes	00403	PH, LAB, STANDARD UNITS SU	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00403	PH, LAB, STANDARD UNITS SU	09/02/76-09/02/76	0	1	
LAVO0222	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/02/76	0	2	
LAVO0224	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0225	No	00403	PH, LAB, STANDARD UNITS SU	08/01/76-08/24/79	3	3	
LAVO0226	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0227	No	00403	PH, LAB, STANDARD UNITS SU	09/03/76-08/24/79	2	3	
LAVO0228	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0229	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0230	No	00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0231	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0232	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0233	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00403	PH, LAB, STANDARD UNITS SU	09/02/76-09/02/76	0	1	
LAVO0236	No	00403	PH, LAB, STANDARD UNITS SU	09/03/76-09/03/76	0	1	
LAVO0237	No	00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/02/76	0	2	
LAVO0239	No	00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00403	PH, LAB, STANDARD UNITS SU	08/01/79-08/01/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0241	Yes	00403	PH, LAB, STANDARD UNITS SU	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/03/76	0	2	
LAVO0243	Yes	00403	PH, LAB, STANDARD UNITS SU	03/10/80-02/19/87	6	4	
LAVO0244	Yes	00403	PH, LAB, STANDARD UNITS SU	06/23/81-09/09/81	0	2	
LAVO0245	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/02/76	0	2	
LAVO0249	Yes	00403	PH, LAB, STANDARD UNITS SU	07/02/81-07/02/81	0	1	
LAVO0250	Yes	00403	PH, LAB, STANDARD UNITS SU	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/03/76	0	2	
LAVO0252	Yes	00403	PH, LAB, STANDARD UNITS SU	06/30/81-06/30/81	0	1	
LAVO0253	No	00403	PH, LAB, STANDARD UNITS SU	08/22/79-08/22/79	0	1	
LAVO0254	Yes	00403	PH, LAB, STANDARD UNITS SU	07/01/81-07/01/81	0	1	
LAVO0255	Yes	00403	PH, LAB, STANDARD UNITS SU	03/20/79-06/30/85	6	3	
LAVO0266	Yes	00403	PH, LAB, STANDARD UNITS SU	06/16/81-06/16/81	0	1	
LAVO0271	No	00403	PH, LAB, STANDARD UNITS SU	07/01/81-07/01/81	0	1	
LAVO0274	No	00403	PH, LAB, STANDARD UNITS SU	01/20/81-07/21/81	0	3	
LAVO0277	No	00403	PH, LAB, STANDARD UNITS SU	03/12/79-02/19/87	7	5	
LAVO0278	No	00403	PH, LAB, STANDARD UNITS SU	06/25/81-06/25/81	0	1	
LAVO0279	No	00403	PH, LAB, STANDARD UNITS SU	07/01/81-07/01/81	0	1	
LAVO0280	No	00403	PH, LAB, STANDARD UNITS SU	06/25/81-06/25/81	0	1	
LAVO0281	No	00403	PH, LAB, STANDARD UNITS SU	06/25/81-09/10/81	0	2	
LAVO0012	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/06/60-09/17/60	0	17	
LAVO0015	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/07/60-07/07/60	0	2	
LAVO0027	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	0	2	
LAVO0031	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	0	2	
LAVO0033	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	0	2	
LAVO0036	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	0	1	
LAVO0037	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/24/79-08/24/79	0	3	
LAVO0039	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/16/79-07/16/79	0	3	
LAVO0040	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	0	2	
LAVO0044	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	0	2	
LAVO0045	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/19/60-09/19/60	0	12	
LAVO0046	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	0	1	
LAVO0049	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	0	1	
LAVO0050	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	0	1	
LAVO0052	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	0	2	
LAVO0053	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/16/79-08/04/79	0	2	
LAVO0054	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	0	2	
LAVO0056	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	0	1	
LAVO0057	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	0	1	
LAVO0058	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/17/60-09/08/60	0	9	
LAVO0059	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	0	1	
LAVO0063	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/30/79-07/30/79	0	3	
LAVO0067	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-08/25/79	0	9	
LAVO0073	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-08/03/79	0	3	
LAVO0077	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/23/79-08/23/79	0	3	
LAVO0078	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/23/79-08/23/79	0	1	
LAVO0083	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/14/79-07/14/79	0	3	
LAVO0090	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/27/79-07/12/79	0	2	
LAVO0095	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/79-06/29/79	0	1	
LAVO0097	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/79-06/29/79	0	1	
LAVO0098	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/27/60-07/27/60	0	6	
LAVO0099	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/07/60-08/07/60	0	5	
LAVO0100	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/79-06/29/79	0	1	
LAVO0105	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/26/79-08/26/79	0	1	
LAVO0106	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/02/60-08/02/60	0	11	
LAVO0107	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/01/79-07/01/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0109	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/22/79-07/22/79	0	1	
LAVO0112	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/79-07/31/79	0	1	
LAVO0117	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/60-07/31/60	0	4	
LAVO0119	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/79-07/31/79	0	3	
LAVO0121	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/01/79-07/01/79	0	1	
LAVO0145	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/06/79-08/06/79	0	2	
LAVO0187	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/12/60-08/12/60	0	4	
LAVO0257	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/03/86-08/31/86	0	6	
LAVO0259	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/03/86-08/31/86	0	6	
LAVO0263	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	07/20/88-10/25/88	0	43	
LAVO0265	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	08/10/61-09/05/61	0	5	
LAVO0268	Yes	00405	CARBON DIOXIDE (MG/L AS CO2)	06/26/86-07/11/86	0	20	
LAVO0274	No	00405	CARBON DIOXIDE (MG/L AS CO2)	10/24/79-01/25/80	0	2	
LAVO0007	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/27/60-06/27/60	0	1	
LAVO0008	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/27/60-06/27/60	0	1	
LAVO0009	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/60-06/26/60	0	1	
LAVO0012	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/60-09/17/60	0	46	
LAVO0015	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/07/60-07/07/60	0	3	
LAVO0017	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/27/60-06/27/60	0	2	
LAVO0021	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/60-06/26/60	0	1	
LAVO0022	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/60-06/26/60	0	2	
LAVO0024	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/60-06/26/60	0	2	
LAVO0027	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	0	2	
LAVO0031	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	0	2	
LAVO0033	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	0	2	
LAVO0036	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	0	1	
LAVO0037	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/24/79-08/24/79	0	3	
LAVO0039	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/16/79-07/16/79	0	3	
LAVO0040	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	0	2	
LAVO0044	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	0	2	
LAVO0045	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/19/60-09/19/60	0	14	
LAVO0046	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	0	2	
LAVO0049	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	0	2	
LAVO0050	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	0	2	
LAVO0052	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	0	2	
LAVO0053	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/16/79-08/04/79	0	2	
LAVO0054	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	0	2	
LAVO0056	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	0	2	
LAVO0057	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	0	1	
LAVO0058	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/17/60-09/08/60	0	25	
LAVO0059	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	0	1	
LAVO0063	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/30/79-07/30/79	0	3	
LAVO0065	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/15/89-06/15/89	0	1	
LAVO0067	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/08/79-08/25/79	0	9	
LAVO0073	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/08/79-08/03/79	0	3	
LAVO0077	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/23/79-08/23/79	0	3	
LAVO0078	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/23/79-08/23/79	0	1	
LAVO0082	No	00406	PH, FIELD, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0083	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/14/79-07/14/79	0	3	
LAVO0090	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/27/79-07/12/79	0	2	
LAVO0093	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-07/31/79	2	2	
LAVO0094	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-08/15/76	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0095	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/29/79-06/29/79	0	1	
LAVO0097	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/29/79-06/29/79	0	1	
LAVO0098	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/27/60-07/27/60	0	6	
LAVO0099	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/07/60-08/07/60	0	5	
LAVO0100	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/29/79-06/29/79	0	1	
LAVO0104	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/31/79-07/31/79	0	1	
LAVO0105	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/26/79-08/26/79	0	1	
LAVO0106	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/02/60-08/02/60	0	11	
LAVO0107	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/01/79-07/01/79	0	1	
LAVO0109	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/22/79-07/22/79	0	1	
LAVO0112	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/31/79-07/31/79	0	1	
LAVO0117	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/31/60-07/31/60	0	4	
LAVO0119	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/31/79-07/31/79	0	3	
LAVO0120	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/01/76	0	2	
LAVO0121	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/01/79-07/01/79	0	1	
LAVO0145	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/06/79-08/06/79	0	2	
LAVO0151	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/15/76-09/15/76	0	1	
LAVO0162	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/17/75-07/17/75	0	1	
LAVO0168	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/17/75-07/17/75	0	1	
LAVO0178	No	00406	PH, FIELD, STANDARD UNITS SU	08/24/79-08/24/79	0	1	
LAVO0182	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/29/93-09/29/93	0	8	
LAVO0183	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/29/93-09/29/93	0	16	
LAVO0184	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/29/93-09/29/93	0	16	
LAVO0185	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/24/93-09/24/93	0	11	
LAVO0186	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/24/93-09/24/93	0	9	
LAVO0187	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/12/60-08/12/60	0	8	
LAVO0188	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/29/93-09/29/93	0	16	
LAVO0192	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
LAVO0193	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/24/89-07/24/89	0	1	
LAVO0194	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/24/89-07/24/89	0	1	
LAVO0196	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/24/89-07/24/89	0	1	
LAVO0197	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/01/79-08/01/79	0	1	
LAVO0200	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0203	No	00406	PH, FIELD, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
LAVO0204	No	00406	PH, FIELD, STANDARD UNITS SU	08/21/79-08/21/79	0	1	
LAVO0209	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0212	No	00406	PH, FIELD, STANDARD UNITS SU	07/16/75-08/01/76	1	2	
LAVO0213	No	00406	PH, FIELD, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/02/76-09/02/76	0	1	
LAVO0216	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/01/79-08/01/79	0	1	
LAVO0219	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/02/76-09/02/76	0	1	
LAVO0223	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/02/76	0	2	
LAVO0225	No	00406	PH, FIELD, STANDARD UNITS SU	08/01/76-09/03/76	0	2	
LAVO0227	No	00406	PH, FIELD, STANDARD UNITS SU	09/03/76-08/01/79	2	2	
LAVO0230	No	00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0234	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/02/76-09/02/76	0	1	
LAVO0236	No	00406	PH, FIELD, STANDARD UNITS SU	09/03/76-09/03/76	0	1	
LAVO0238	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/02/76	0	2	
LAVO0239	No	00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/03/76	0	2	
LAVO0245	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/02/76	0	2	
LAVO0247	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/22/79-08/22/79	0	1	
LAVO0250	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/17/75-07/17/75	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0251	Yes	00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/03/76	0	2	
LAVO0253	No	00406	PH, FIELD, STANDARD UNITS SU	08/22/79-08/22/79	0	1	
LAVO0257	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/22/86-08/31/86	0	12	
LAVO0258	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/11/89-10/30/89	0	7	
LAVO0259	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/22/86-08/31/86	0	12	
LAVO0261	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/30/89-12/17/92	3	49	T
LAVO0263	Yes	00406	PH, FIELD, STANDARD UNITS SU	07/06/88-10/11/89	1	54	
LAVO0268	Yes	00406	PH, FIELD, STANDARD UNITS SU	06/26/86-07/11/86	0	20	
LAVO0269	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/10/89-10/11/89	0	2	
LAVO0270	Yes	00406	PH, FIELD, STANDARD UNITS SU	04/10/89-11/06/89	0	22	
LAVO0275	No	00406	PH, FIELD, STANDARD UNITS SU	05/14/90-03/10/92	1	27	
LAVO0001	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/23/85-10/23/85	0	1	
LAVO0002	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0004	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0028	No	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/17/85-10/17/85	0	1	
LAVO0089	Yes	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0096	Yes	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0118	Yes	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0143	Yes	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0176	Yes	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0218	Yes	00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	0	1	
LAVO0023	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/74-07/23/80	6	2	
LAVO0043	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/81-09/10/81	0	2	
LAVO0076	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/81-09/10/81	0	2	
LAVO0080	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/24/73-08/24/73	0	1	
LAVO0124	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-09/04/64	0	4	
LAVO0126	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-09/04/64	0	4	
LAVO0128	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-09/04/64	0	4	
LAVO0129	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-10/18/64	0	5	
LAVO0140	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-10/18/64	0	5	
LAVO0141	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-10/18/64	0	5	
LAVO0148	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/80-08/23/83	3	2	
LAVO0149	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/23/73-08/23/73	0	1	
LAVO0166	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/81-09/11/81	0	2	
LAVO0174	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/26/73-11/26/73	0	1	
LAVO0175	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/81-06/24/81	0	1	
LAVO0177	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/81-06/30/81	0	1	
LAVO0189	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/80-08/22/83	3	2	
LAVO0190	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/81-09/09/81	0	2	
LAVO0198	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/81-09/08/81	0	2	
LAVO0243	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/23/83-02/19/87	3	2	
LAVO0244	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/81-09/09/81	0	2	
LAVO0246	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/24/73-08/24/73	0	1	
LAVO0249	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0255	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/79-03/20/79	0	1	
LAVO0256	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/18/73-10/18/73	0	1	
LAVO0263	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/88-10/25/88	0	39	
LAVO0271	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0272	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/73-11/05/73	0	1	
LAVO0274	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/79-09/23/81	1	22	
LAVO0276	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/23/73-08/23/73	0	1	
LAVO0277	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/12/79-02/19/87	7	4	
LAVO0278	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/81-06/25/81	0	1	
LAVO0279	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0280	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/81-06/25/81	0	1	
LAVO0281	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/81-09/10/81	0	2	
LAVO0012	Yes	00411	ALKALINITY,METHYLORANGE MG/L	07/06/60-09/17/60	0	17	
LAVO0015	Yes	00411	ALKALINITY,METHYLORANGE MG/L	07/07/60-07/07/60	0	3	
LAVO0027	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	0	2	
LAVO0031	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	0	2	
LAVO0033	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	0	2	
LAVO0035	Yes	00411	ALKALINITY,METHYLORANGE MG/L	07/10/64-08/15/64	0	5	
LAVO0036	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	0	1	
LAVO0040	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0042	Yes	00411	ALKALINITY,METHYLORANGE MG/L	08/09/63-08/26/63	0	3	
LAVO0044	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	0	2	
LAVO0045	Yes	00411	ALKALINITY,METHYLORANGE MG/L	08/19/60-09/19/60	0	12	
LAVO0046	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	0	1	
LAVO0049	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	0	1	
LAVO0050	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	0	1	
LAVO0052	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	0	2	
LAVO0054	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	0	2	
LAVO0056	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	0	1	
LAVO0057	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	0	1	
LAVO0058	Yes	00411	ALKALINITY,METHYLORANGE MG/L	08/17/60-09/08/60	0	9	
LAVO0059	Yes	00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	0	1	
LAVO0069	Yes	00411	ALKALINITY,METHYLORANGE MG/L	07/09/63-07/16/93	30	3	
LAVO0098	Yes	00411	ALKALINITY,METHYLORANGE MG/L	07/27/60-07/27/60	0	6	
LAVO0099	Yes	00411	ALKALINITY,METHYLORANGE MG/L	08/07/60-08/07/60	0	5	
LAVO0106	Yes	00411	ALKALINITY,METHYLORANGE MG/L	08/02/60-08/02/60	0	11	
LAVO0117	Yes	00411	ALKALINITY,METHYLORANGE MG/L	07/31/60-07/31/60	0	4	
LAVO0187	Yes	00411	ALKALINITY,METHYLORANGE MG/L	08/12/60-08/12/60	0	4	
LAVO0265	Yes	00411	ALKALINITY,METHYLORANGE MG/L	06/20/61-09/05/61	0	23	
LAVO0267	Yes	00411	ALKALINITY,METHYLORANGE MG/L	06/24/61-09/05/61	0	40	
LAVO0268	Yes	00411	ALKALINITY,METHYLORANGE MG/L	06/26/86-07/11/86	0	20	
LAVO0012	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/06/60-09/17/60	0	17	
LAVO0015	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/07/60-07/07/60	0	3	
LAVO0027	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	0	2	
LAVO0031	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	0	2	
LAVO0033	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	0	2	
LAVO0036	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	0	1	
LAVO0040	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	0	2	
LAVO0042	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/09/63-08/26/63	0	3	
LAVO0044	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	0	2	
LAVO0045	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/19/60-09/19/60	0	12	
LAVO0046	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	0	1	
LAVO0049	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	0	1	
LAVO0050	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	0	1	
LAVO0052	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	0	2	
LAVO0054	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	0	2	
LAVO0056	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	0	1	
LAVO0057	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	0	1	
LAVO0058	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/17/60-09/08/60	0	9	
LAVO0098	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/27/60-07/27/60	0	6	
LAVO0106	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/02/60-08/02/60	0	11	
LAVO0117	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/31/60-07/31/60	0	4	
LAVO0187	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/12/60-08/12/60	0	4	
LAVO0265	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/20/61-09/05/61	0	18	
LAVO0267	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/24/61-09/05/61	0	40	
LAVO0268	Yes	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/26/86-07/11/86	0	20	
LAVO0116	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	08/24/73-08/24/73	0	1	
LAVO0149	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	08/23/73-08/23/73	0	1	
LAVO0174	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	11/26/73-11/26/73	0	1	
LAVO0246	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	08/24/73-08/24/73	0	1	
LAVO0256	Yes	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	10/18/73-10/18/73	0	1	
LAVO0272	No	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	11/05/73-11/05/73	0	1	
LAVO0276	No	00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	08/23/73-08/23/73	0	1	
LAVO0208	Yes	00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/16/81-06/16/81	0	1	
LAVO0023	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	06/26/74-06/30/85	11	3	
LAVO0082	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0093	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-08/15/76	0	1	
LAVO0104	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/31/79-07/31/79	0	1	
LAVO0120	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/64-08/24/64	0	1	
LAVO0148	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/23/80-07/28/86	6	3	
LAVO0151	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/05/64-09/05/64	0	1	
LAVO0159	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/31/79-07/31/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0163	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/17/75-07/31/79	4	2	
LAVO0168	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/17/75-07/17/75	0	1	
LAVO0178	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0189	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/23/80-06/30/85	4	3	
LAVO0191	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/15/79-07/15/79	0	1	
LAVO0192	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/01/79-08/01/79	0	1	
LAVO0200	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	0	1	
LAVO0203	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/79-08/15/79	0	1	
LAVO0204	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/21/79-08/21/79	0	1	
LAVO0209	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	0	1	
LAVO0212	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-08/01/76	1	2	
LAVO0213	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/01/79-08/01/79	0	1	
LAVO0219	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/24/64-07/24/64	0	1	
LAVO0222	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/02/76	0	2	
LAVO0224	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0225	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/01/76-08/24/79	3	3	
LAVO0226	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0227	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/03/76-08/24/79	2	3	
LAVO0228	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0229	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0230	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	0	1	
LAVO0231	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0232	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0233	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	09/02/76-09/02/76	0	1	
LAVO0236	No	00440	BICARBONATE ION (MG/L AS HCO3)	09/03/76-09/03/76	0	1	
LAVO0237	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/02/76	0	2	
LAVO0239	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/03/76	0	2	
LAVO0243	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	03/10/80-02/19/87	6	4	
LAVO0245	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/02/76	0	2	
LAVO0247	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/22/79-08/22/79	0	1	
LAVO0250	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/03/76	0	2	
LAVO0253	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/22/79-08/22/79	0	1	
LAVO0255	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	03/20/79-06/30/85	6	3	
LAVO0277	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/12/79-02/19/87	7	6	
LAVO0023	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/23/80-06/30/85	4	2	
LAVO0116	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/24/73-08/24/73	0	1	
LAVO0122	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/06/64-09/06/64	0	1	
LAVO0134	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/24/64-08/24/64	0	1	
LAVO0148	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/23/80-07/28/86	6	3	
LAVO0149	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/23/73-08/23/73	0	1	
LAVO0157	Yes	00445	CARBONATE ION (MG/L AS CO3)	09/05/64-09/05/64	0	1	
LAVO0174	Yes	00445	CARBONATE ION (MG/L AS CO3)	11/26/73-11/26/73	0	1	
LAVO0189	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/23/80-06/30/85	4	3	
LAVO0221	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/24/64-07/24/64	0	1	
LAVO0243	Yes	00445	CARBONATE ION (MG/L AS CO3)	03/10/80-02/19/87	6	4	
LAVO0246	Yes	00445	CARBONATE ION (MG/L AS CO3)	08/24/73-08/24/73	0	1	
LAVO0255	Yes	00445	CARBONATE ION (MG/L AS CO3)	07/23/80-07/23/80	0	1	
LAVO0256	Yes	00445	CARBONATE ION (MG/L AS CO3)	10/18/73-10/18/73	0	1	
LAVO0272	No	00445	CARBONATE ION (MG/L AS CO3)	11/05/73-11/05/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0276	No	00445	CARBONATE ION (MG/L AS CO3)	08/23/73-08/23/73	0	1	
LAVO0277	No	00445	CARBONATE ION (MG/L AS CO3)	03/12/79-02/19/87	7	6	
LAVO0020	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0071	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/29/81-06/29/81	0	1	
LAVO0080	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0172	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0175	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0198	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0249	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/24/79-07/21/81	1	8	
LAVO0278	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0020	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0175	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0181	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	1	7	
LAVO0278	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0071	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/29/81-06/29/81	0	1	
LAVO0080	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0175	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0244	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/24/79-07/21/81	1	5	
LAVO0278	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0020	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0175	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0181	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	1	7	
LAVO0278	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0175	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	1	8	
LAVO0278	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0166	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0175	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0257	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/86-08/31/86	0	12	
LAVO0259	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/86-08/31/86	0	12	
LAVO0266	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/79-07/21/81	1	5	
LAVO0278	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0274	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	1	7	
LAVO0020	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0158	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0208	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0266	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0274	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	1	8	
LAVO0020	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0158	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0208	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0266	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0020	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0175	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	1	7	
LAVO0278	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0175	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/24/81-06/24/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0180	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0181	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/24/79-07/21/81	1	7	
LAVO0278	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0175	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/24/79-07/21/81	1	8	
LAVO0278	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0158	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0175	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0274	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/24/79-07/21/81	1	8	
LAVO0278	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/17/81-06/17/81	0	1	
LAVO0043	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/23/81-09/10/81	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0071	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0076	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/29/81-09/10/81	0	2	
LAVO0080	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/73-08/24/73	0	1	
LAVO0149	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/23/73-08/23/73	0	1	
LAVO0158	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/81-09/11/81	0	2	
LAVO0174	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/26/73-11/26/73	0	1	
LAVO0175	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0177	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/81-09/09/81	0	2	
LAVO0198	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/23/81-09/09/81	0	2	
LAVO0246	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/73-08/24/73	0	1	
LAVO0249	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/18/73-10/18/73	0	1	
LAVO0266	Yes	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/16/81-06/16/81	0	1	
LAVO0271	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0272	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/73-11/05/73	0	1	
LAVO0274	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/24/79-07/21/81	1	8	
LAVO0276	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/23/73-08/23/73	0	1	
LAVO0278	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0279	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/01/81-07/01/81	0	1	
LAVO0280	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/81-06/25/81	0	1	
LAVO0281	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/81-09/10/81	0	2	
LAVO0037	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/24/79-08/24/79	0	3	
LAVO0039	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/16/79-07/16/79	0	3	
LAVO0053	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/16/79-08/04/79	0	2	
LAVO0063	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/30/79-07/30/79	0	3	
LAVO0067	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-08/25/79	0	9	
LAVO0073	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-08/03/79	0	3	
LAVO0077	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/23/79-08/23/79	0	3	
LAVO0078	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/23/79-08/23/79	0	1	
LAVO0083	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/14/79-07/14/79	0	3	
LAVO0090	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/27/79-07/12/79	0	2	
LAVO0095	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/29/79-06/29/79	0	1	
LAVO0097	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/29/79-06/29/79	0	1	
LAVO0100	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/29/79-06/29/79	0	1	
LAVO0105	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/26/79-08/26/79	0	1	
LAVO0107	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/01/79-07/01/79	0	1	
LAVO0109	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/22/79-07/22/79	0	1	
LAVO0112	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/31/79-07/31/79	0	1	
LAVO0119	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/31/79-07/31/79	0	3	
LAVO0121	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/01/79-07/01/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0122	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/06/64-09/06/64	0	1	
LAVO0145	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/06/79-08/06/79	0	2	
LAVO0157	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/05/64-09/05/64	0	1	
LAVO0221	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/24/64-07/24/64	0	1	
LAVO0257	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/86-08/31/86	0	21	
LAVO0259	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/86-08/31/86	0	13	
LAVO0263	Yes	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/20/88-10/25/88	0	37	
LAVO0020	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/18/81-06/18/81	0	1	
LAVO0158	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/18/81-06/18/81	0	1	
LAVO0208	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/16/81-06/16/81	0	1	
LAVO0266	Yes	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/16/81-06/16/81	0	1	
LAVO0274	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/24/79-07/21/81	1	8	
LAVO0001	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/23/85-10/23/85	0	1	
LAVO0002	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0004	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0028	No	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/17/85-10/17/85	0	1	
LAVO0089	Yes	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0096	Yes	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0118	Yes	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0143	Yes	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0176	Yes	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0218	Yes	00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/81-06/17/81	0	1	
LAVO0043	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/18/81-06/18/81	0	1	
LAVO0076	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/29/81-09/10/81	0	2	
LAVO0080	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/81-06/23/81	0	1	
LAVO0158	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/81-09/11/81	0	2	
LAVO0175	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/81-06/24/81	0	1	
LAVO0177	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/81-09/09/81	0	2	
LAVO0198	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/16/81-06/16/81	0	1	
LAVO0271	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/01/81-07/01/81	0	1	
LAVO0274	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/24/79-07/21/81	1	7	
LAVO0278	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/81-06/25/81	0	1	
LAVO0279	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/01/81-07/01/81	0	1	
LAVO0280	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/81-06/25/81	0	1	
LAVO0281	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/17/81-06/17/81	0	1	
LAVO0043	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/18/81-06/18/81	0	1	
LAVO0076	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/29/81-09/10/81	0	2	
LAVO0080	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/81-06/23/81	0	1	
LAVO0158	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/24/81-09/11/81	0	2	
LAVO0175	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/24/81-06/24/81	0	1	
LAVO0177	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/24/81-09/09/81	0	2	
LAVO0198	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/16/81-06/16/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0244	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/16/81-06/16/81	0	1	
LAVO0271	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/81-07/01/81	0	1	
LAVO0274	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/24/79-07/21/81	1	8	
LAVO0278	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/25/81-06/25/81	0	1	
LAVO0279	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/81-07/01/81	0	1	
LAVO0280	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/25/81-06/25/81	0	1	
LAVO0281	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-06/18/81	0	1	
LAVO0158	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-06/18/81	0	1	
LAVO0208	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/16/81-06/16/81	0	1	
LAVO0266	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/16/81-06/16/81	0	1	
LAVO0274	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/24/79-07/21/81	1	8	
LAVO0043	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/23/81-09/10/81	0	2	
LAVO0076	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/29/81-09/10/81	0	2	
LAVO0080	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/23/81-06/23/81	0	1	
LAVO0166	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/24/81-09/11/81	0	2	
LAVO0175	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/24/81-06/24/81	0	1	
LAVO0177	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/24/81-09/09/81	0	2	
LAVO0198	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/22/81-09/08/81	0	2	
LAVO0244	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/01/81-07/01/81	0	1	
LAVO0271	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/01/81-07/01/81	0	1	
LAVO0278	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/25/81-06/25/81	0	1	
LAVO0279	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/01/81-07/01/81	0	1	
LAVO0280	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/25/81-06/25/81	0	1	
LAVO0281	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/25/81-09/10/81	0	2	
LAVO0001	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/23/85-10/23/85	0	1	
LAVO0002	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0004	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/17/81-06/17/81	0	1	
LAVO0028	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/17/85-10/17/85	0	1	
LAVO0071	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/18/81-06/18/81	0	1	
LAVO0089	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0143	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0158	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/18/81-06/18/81	0	1	
LAVO0176	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0208	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/16/81-06/16/81	0	1	
LAVO0218	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0266	Yes	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/16/81-06/16/81	0	1	
LAVO0020	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/18/81-06/18/81	0	1	
LAVO0208	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/16/81-06/16/81	0	1	
LAVO0266	Yes	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/16/81-06/16/81	0	1	
LAVO0001	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/23/85-10/23/85	0	1	
LAVO0002	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0004	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0028	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/17/85-10/17/85	0	1	
LAVO0089	Yes	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0143	Yes	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0176	Yes	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0218	Yes	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	0	1	
LAVO0023	Yes	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	06/26/74-06/26/74	0	1	
LAVO0274	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/17/80-07/21/81	1	4	
LAVO0020	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/17/81-06/17/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0023	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/80-06/30/85	4	2	
LAVO0037	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/79-08/24/79	0	3	
LAVO0039	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/16/79-07/16/79	0	3	
LAVO0043	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/81-09/10/81	0	2	
LAVO0053	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/16/79-08/04/79	0	2	
LAVO0063	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/79-07/30/79	0	3	
LAVO0067	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-08/25/79	0	9	
LAVO0071	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-06/18/81	0	1	
LAVO0073	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-08/03/79	0	3	
LAVO0076	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/81-09/10/81	0	2	
LAVO0077	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/79-08/23/79	0	3	
LAVO0078	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/79-08/23/79	0	1	
LAVO0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/81-06/23/81	0	1	
LAVO0083	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/79-07/14/79	0	3	
LAVO0090	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/27/79-07/12/79	0	2	
LAVO0095	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/79-06/29/79	0	1	
LAVO0097	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/79-06/29/79	0	1	
LAVO0100	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/79-06/29/79	0	1	
LAVO0107	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/79-07/01/79	0	1	
LAVO0108	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/81-06/23/81	0	1	
LAVO0109	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/79-07/22/79	0	1	
LAVO0112	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/79-07/31/79	0	1	
LAVO0116	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/73-08/24/73	0	1	
LAVO0119	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/79-07/31/79	0	3	
LAVO0121	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/79-07/01/79	0	1	
LAVO0122	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/64-08/24/64	0	1	
LAVO0145	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/79-08/06/79	0	2	
LAVO0148	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/80-07/28/86	6	3	
LAVO0149	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/73-08/23/73	0	1	
LAVO0157	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/05/64-09/05/64	0	1	
LAVO0158	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/26/73-11/26/73	0	1	
LAVO0175	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/81-06/24/81	0	1	
LAVO0177	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-06/30/81	0	1	
LAVO0189	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/80-06/30/85	4	3	
LAVO0190	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/81-09/09/81	0	2	
LAVO0198	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/16/81-06/16/81	0	1	
LAVO0221	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/64-07/24/64	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0243	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/80-02/19/87	6	4	
LAVO0244	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/81-09/09/81	0	2	
LAVO0246	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/73-08/24/73	0	1	
LAVO0249	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0255	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/20/79-06/30/85	6	3	
LAVO0256	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/18/73-10/18/73	0	1	
LAVO0263	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/12/88-10/17/88	0	36	
LAVO0266	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/16/81-06/16/81	0	1	
LAVO0271	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0272	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/73-11/05/73	0	1	
LAVO0274	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/24/79-07/21/81	1	8	
LAVO0276	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/73-08/23/73	0	1	
LAVO0277	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/12/79-02/19/87	7	6	
LAVO0278	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/81-06/25/81	0	1	
LAVO0279	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0280	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/81-06/25/81	0	1	
LAVO0281	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/81-09/10/81	0	2	
LAVO0043	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/23/81-09/10/81	0	2	
LAVO0076	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/29/81-09/10/81	0	2	
LAVO0080	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/73-08/24/73	0	1	
LAVO0122	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/64-08/24/64	0	1	
LAVO0149	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/23/73-08/23/73	0	1	
LAVO0157	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/05/64-09/05/64	0	1	
LAVO0166	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/81-09/11/81	0	2	
LAVO0174	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/26/73-11/26/73	0	1	
LAVO0175	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/81-06/24/81	0	1	
LAVO0177	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/81-09/09/81	0	2	
LAVO0198	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/22/81-09/08/81	0	2	
LAVO0221	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/24/64-07/24/64	0	1	
LAVO0244	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/23/81-09/09/81	0	2	
LAVO0246	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/73-08/24/73	0	1	
LAVO0249	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/18/73-10/18/73	0	1	
LAVO0271	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0272	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/05/73-11/05/73	0	1	
LAVO0274	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/24/79-07/21/81	1	8	
LAVO0276	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/23/73-08/23/73	0	1	
LAVO0278	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/81-06/25/81	0	1	
LAVO0279	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/01/81-07/01/81	0	1	
LAVO0280	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/81-06/25/81	0	1	
LAVO0281	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/81-09/10/81	0	2	
LAVO0001	No	00910	CALCIUM (MG/L AS CACO3)	10/23/85-10/23/85	0	1	
LAVO0002	No	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0004	No	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0028	No	00910	CALCIUM (MG/L AS CACO3)	10/17/85-10/17/85	0	1	
LAVO0089	Yes	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0143	Yes	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0176	Yes	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0218	Yes	00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/17/81-06/17/81	0	1	
LAVO0043	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/18/81-06/18/81	0	1	
LAVO0076	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/81-09/10/81	0	2	
LAVO0080	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/81-06/23/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0082	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0093	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-08/15/76	0	1	
LAVO0104	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/79-07/31/79	0	1	
LAVO0108	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/73-08/24/73	0	1	
LAVO0120	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/06/64-09/06/64	0	1	
LAVO0134	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/64-08/24/64	0	1	
LAVO0149	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/23/73-08/23/73	0	1	
LAVO0151	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/05/64-09/05/64	0	1	
LAVO0158	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/75-07/31/79	4	2	
LAVO0166	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/30/81-09/09/81	0	2	
LAVO0168	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/75-07/17/75	0	1	
LAVO0172	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/26/73-11/26/73	0	1	
LAVO0175	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/81-06/24/81	0	1	
LAVO0177	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/81-06/24/81	0	1	
LAVO0178	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0180	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/81-09/09/81	0	2	
LAVO0191	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/15/79-07/15/79	0	1	
LAVO0192	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/79-08/01/79	0	1	
LAVO0198	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/81-09/08/81	0	2	
LAVO0200	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	0	1	
LAVO0203	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/79-08/15/79	0	1	
LAVO0204	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/21/79-08/21/79	0	1	
LAVO0208	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/16/81-06/16/81	0	1	
LAVO0209	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	0	1	
LAVO0212	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-08/01/76	1	2	
LAVO0213	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/79-08/01/79	0	1	
LAVO0219	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/64-07/24/64	0	1	
LAVO0222	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/02/76	0	2	
LAVO0224	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0225	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/76-08/24/79	3	3	
LAVO0226	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0227	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/03/76-08/24/79	2	3	
LAVO0228	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0229	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0230	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	0	1	
LAVO0231	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0232	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0233	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/76-09/02/76	0	1	
LAVO0236	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/03/76-09/03/76	0	1	
LAVO0237	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/02/76	0	2	
LAVO0239	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/79-08/01/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0241	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/03/76	0	2	
LAVO0244	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/81-09/09/81	0	2	
LAVO0245	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/73-08/24/73	0	1	
LAVO0247	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/79-08/22/79	0	1	
LAVO0249	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/02/81-07/02/81	0	1	
LAVO0250	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/03/76	0	2	
LAVO0252	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/30/81-06/30/81	0	1	
LAVO0253	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/79-08/22/79	0	1	
LAVO0254	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/18/73-10/18/73	0	1	
LAVO0266	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/16/81-06/16/81	0	1	
LAVO0271	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/81-07/01/81	0	1	
LAVO0272	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/73-11/05/73	0	1	
LAVO0274	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/24/79-07/21/81	1	8	
LAVO0276	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/23/73-08/23/73	0	1	
LAVO0278	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/81-06/25/81	0	1	
LAVO0279	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/81-07/01/81	0	1	
LAVO0280	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/81-06/25/81	0	1	
LAVO0281	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/81-09/10/81	0	2	
LAVO0023	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/26/74-06/30/85	11	3	
LAVO0037	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/24/79-08/24/79	0	3	
LAVO0039	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/16/79-07/16/79	0	3	
LAVO0053	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/16/79-08/04/79	0	2	
LAVO0063	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/79-07/30/79	0	3	
LAVO0067	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-08/25/79	0	9	
LAVO0073	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-08/03/79	0	3	
LAVO0077	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/23/79-08/23/79	0	3	
LAVO0078	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/23/79-08/23/79	0	1	
LAVO0083	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/14/79-07/14/79	0	3	
LAVO0090	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/27/79-07/12/79	0	2	
LAVO0095	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/29/79-06/29/79	0	1	
LAVO0097	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/29/79-06/29/79	0	1	
LAVO0100	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	06/29/79-06/29/79	0	1	
LAVO0107	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/01/79-07/01/79	0	1	
LAVO0109	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/79-07/22/79	0	1	
LAVO0112	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/31/79-07/31/79	0	1	
LAVO0119	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/31/79-07/31/79	0	3	
LAVO0121	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/01/79-07/01/79	0	1	
LAVO0145	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	08/06/79-08/06/79	0	2	
LAVO0148	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/80-07/28/86	6	3	
LAVO0189	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/80-06/30/85	4	3	
LAVO0243	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	03/10/80-02/19/87	6	4	
LAVO0255	Yes	00916	CALCIUM, TOTAL (MG/L AS CA)	03/20/79-06/30/85	6	3	
LAVO0277	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/12/79-02/19/87	7	6	
LAVO0001	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/23/85-10/23/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0002	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0004	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/17/81-06/17/81	0	1	
LAVO0028	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/85-10/17/85	0	1	
LAVO0043	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/18/81-06/18/81	0	1	
LAVO0076	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/81-09/10/81	0	2	
LAVO0080	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/81-06/23/81	0	1	
LAVO0082	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0089	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0093	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-08/15/76	0	1	
LAVO0096	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0104	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/79-07/31/79	0	1	
LAVO0108	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/73-08/24/73	0	1	
LAVO0118	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0120	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/06/64-09/06/64	0	1	
LAVO0134	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/64-08/24/64	0	1	
LAVO0143	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0149	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/23/73-08/23/73	0	1	
LAVO0151	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/05/64-09/05/64	0	1	
LAVO0158	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/75-07/31/79	4	2	
LAVO0166	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/30/81-09/09/81	0	2	
LAVO0168	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/75-07/17/75	0	1	
LAVO0172	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/26/73-11/26/73	0	1	
LAVO0175	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/81-06/24/81	0	1	
LAVO0176	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0177	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/81-06/24/81	0	1	
LAVO0178	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0180	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/81-09/09/81	0	2	
LAVO0191	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/15/79-07/15/79	0	1	
LAVO0192	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/79-08/01/79	0	1	
LAVO0198	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/81-09/08/81	0	2	
LAVO0200	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	0	1	
LAVO0203	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/79-08/15/79	0	1	
LAVO0204	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/21/79-08/21/79	0	1	
LAVO0208	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/16/81-06/16/81	0	1	
LAVO0209	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	0	1	
LAVO0212	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-08/01/76	1	2	
LAVO0213	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/79-08/01/79	0	1	
LAVO0218	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	0	1	
LAVO0219	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/64-07/24/64	0	1	
LAVO0222	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/02/76	0	2	
LAVO0224	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0225	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/76-08/24/79	3	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0226	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0227	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/03/76-08/24/79	2	3	
LAVO0228	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0229	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0230	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	0	1	
LAVO0231	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0232	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0233	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/76-09/02/76	0	1	
LAVO0236	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/03/76-09/03/76	0	1	
LAVO0237	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/02/76	0	2	
LAVO0239	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/03/76	0	2	
LAVO0244	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/81-09/09/81	0	2	
LAVO0245	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/73-08/24/73	0	1	
LAVO0247	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/79-08/22/79	0	1	
LAVO0249	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/02/81-07/02/81	0	1	
LAVO0250	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/03/76	0	2	
LAVO0252	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/30/81-06/30/81	0	1	
LAVO0253	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/79-08/22/79	0	1	
LAVO0254	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/18/73-10/18/73	0	1	
LAVO0266	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/16/81-06/16/81	0	1	
LAVO0271	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-07/01/81	0	1	
LAVO0272	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/73-11/05/73	0	1	
LAVO0274	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/79-07/21/81	1	8	
LAVO0276	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/23/73-08/23/73	0	1	
LAVO0278	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/81-06/25/81	0	1	
LAVO0279	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-07/01/81	0	1	
LAVO0280	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/81-06/25/81	0	1	
LAVO0281	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/81-09/10/81	0	2	
LAVO0023	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/26/74-06/30/85	11	3	
LAVO0037	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/24/79-08/24/79	0	3	
LAVO0039	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/16/79-07/16/79	0	3	
LAVO0053	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/16/79-08/04/79	0	2	
LAVO0063	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/79-07/30/79	0	3	
LAVO0067	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-08/25/79	0	9	
LAVO0073	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-08/03/79	0	3	
LAVO0077	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/23/79-08/23/79	0	3	
LAVO0078	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/23/79-08/23/79	0	1	
LAVO0083	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/14/79-07/14/79	0	3	
LAVO0090	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/27/79-07/12/79	0	2	
LAVO0095	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/29/79-06/29/79	0	1	
LAVO0097	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/29/79-06/29/79	0	1	
LAVO0100	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/29/79-06/29/79	0	1	
LAVO0107	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/01/79-07/01/79	0	1	
LAVO0109	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/79-07/22/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0112	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/31/79-07/31/79	0	1	
LAVO0119	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/31/79-07/31/79	0	3	
LAVO0121	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/01/79-07/01/79	0	1	
LAVO0145	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/06/79-08/06/79	0	2	
LAVO0148	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/80-07/28/86	6	3	
LAVO0189	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/80-06/30/85	4	3	
LAVO0243	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/10/80-02/19/87	6	4	
LAVO0255	Yes	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/20/79-06/30/85	6	3	
LAVO0277	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/12/79-02/19/87	7	6	
LAVO0023	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	07/23/80-06/30/85	4	2	
LAVO0148	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	07/23/80-07/28/86	6	3	
LAVO0189	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	07/23/80-06/30/85	4	3	
LAVO0243	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	03/10/80-02/19/87	6	4	
LAVO0255	Yes	00929	SODIUM, TOTAL (MG/L AS NA)	03/20/79-06/30/85	6	3	
LAVO0277	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/12/79-02/19/87	7	6	
LAVO0001	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/23/85-10/23/85	0	1	
LAVO0002	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0004	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/17/81-06/17/81	0	1	
LAVO0028	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/85-10/17/85	0	1	
LAVO0043	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/18/81-06/18/81	0	1	
LAVO0076	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/81-09/10/81	0	2	
LAVO0080	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/23/81-06/23/81	0	1	
LAVO0082	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0089	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0093	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/25/81	5	3	
LAVO0096	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0104	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/79-07/31/79	0	1	
LAVO0108	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/73-08/24/73	0	1	
LAVO0118	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0120	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/64-08/24/64	0	1	
LAVO0143	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0149	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/23/73-08/23/73	0	1	
LAVO0151	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	0	1	
LAVO0157	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/05/64-09/05/64	0	1	
LAVO0158	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/75-07/31/79	4	2	
LAVO0166	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/30/81-09/09/81	0	2	
LAVO0168	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/75-07/17/75	0	1	
LAVO0172	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/26/73-11/26/73	0	1	
LAVO0175	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/81-06/24/81	0	1	
LAVO0176	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0177	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/81-06/24/81	0	1	
LAVO0178	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0180	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/81-09/09/81	0	2	
LAVO0191	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/15/79-07/15/79	0	1	
LAVO0197	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/79-08/01/79	0	1	
LAVO0198	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/22/81-09/08/81	0	2	
LAVO0200	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	0	1	
LAVO0204	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/21/79-08/21/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0208	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/16/81-06/16/81	0	1	
LAVO0209	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	0	1	
LAVO0212	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-08/01/76	1	2	
LAVO0214	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/76-09/15/77	1	2	
LAVO0217	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/79-08/01/79	0	1	
LAVO0218	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	0	1	
LAVO0219	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/64-07/24/64	0	1	
LAVO0222	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/02/76	0	2	
LAVO0224	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0225	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/76-08/24/79	3	3	
LAVO0226	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0227	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/03/76-08/24/79	2	3	
LAVO0228	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0229	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0230	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	0	1	
LAVO0231	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0232	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0233	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/76-09/02/76	0	1	
LAVO0236	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/03/76-09/03/76	0	1	
LAVO0237	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/02/76	0	2	
LAVO0239	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/03/76	0	2	
LAVO0244	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/23/81-09/09/81	0	2	
LAVO0245	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/73-08/24/73	0	1	
LAVO0248	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/79-08/22/79	0	1	
LAVO0249	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/02/81-07/02/81	0	1	
LAVO0250	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/03/76	0	2	
LAVO0252	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/30/81-06/30/81	0	1	
LAVO0253	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/79-08/22/79	0	1	
LAVO0254	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/18/73-10/18/73	0	1	
LAVO0266	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/16/81-06/16/81	0	1	
LAVO0271	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-07/01/81	0	1	
LAVO0272	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/73-11/05/73	0	1	
LAVO0274	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/79-07/21/81	1	8	
LAVO0276	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/23/73-08/23/73	0	1	
LAVO0278	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/81-06/25/81	0	1	
LAVO0279	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-07/01/81	0	1	
LAVO0280	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/81-06/25/81	0	1	
LAVO0281	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00931	SODIUM ADSORPTION RATIO	06/17/81-06/17/81	0	1	
LAVO0043	No	00931	SODIUM ADSORPTION RATIO	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00931	SODIUM ADSORPTION RATIO	06/18/81-06/18/81	0	1	
LAVO0076	No	00931	SODIUM ADSORPTION RATIO	06/29/81-09/10/81	0	2	
LAVO0080	No	00931	SODIUM ADSORPTION RATIO	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00931	SODIUM ADSORPTION RATIO	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00931	SODIUM ADSORPTION RATIO	08/24/73-08/24/73	0	1	
LAVO0149	Yes	00931	SODIUM ADSORPTION RATIO	08/23/73-08/23/73	0	1	
LAVO0158	No	00931	SODIUM ADSORPTION RATIO	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00931	SODIUM ADSORPTION RATIO	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00931	SODIUM ADSORPTION RATIO	06/24/81-09/11/81	0	2	
LAVO0174	Yes	00931	SODIUM ADSORPTION RATIO	11/26/73-11/26/73	0	1	
LAVO0175	No	00931	SODIUM ADSORPTION RATIO	06/24/81-06/24/81	0	1	
LAVO0177	No	00931	SODIUM ADSORPTION RATIO	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00931	SODIUM ADSORPTION RATIO	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00931	SODIUM ADSORPTION RATIO	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00931	SODIUM ADSORPTION RATIO	06/24/81-09/09/81	0	2	
LAVO0198	No	00931	SODIUM ADSORPTION RATIO	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00931	SODIUM ADSORPTION RATIO	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00931	SODIUM ADSORPTION RATIO	06/23/81-09/09/81	0	2	
LAVO0246	Yes	00931	SODIUM ADSORPTION RATIO	08/24/73-08/24/73	0	1	
LAVO0249	Yes	00931	SODIUM ADSORPTION RATIO	07/02/81-07/02/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0252	Yes	00931	SODIUM ADSORPTION RATIO	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00931	SODIUM ADSORPTION RATIO	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00931	SODIUM ADSORPTION RATIO	10/18/73-10/18/73	0	1	
LAVO0266	Yes	00931	SODIUM ADSORPTION RATIO	06/16/81-06/16/81	0	1	
LAVO0271	No	00931	SODIUM ADSORPTION RATIO	07/01/81-07/01/81	0	1	
LAVO0272	No	00931	SODIUM ADSORPTION RATIO	11/05/73-11/05/73	0	1	
LAVO0274	No	00931	SODIUM ADSORPTION RATIO	10/24/79-07/21/81	1	8	
LAVO0276	No	00931	SODIUM ADSORPTION RATIO	08/23/73-08/23/73	0	1	
LAVO0278	No	00931	SODIUM ADSORPTION RATIO	06/25/81-06/25/81	0	1	
LAVO0279	No	00931	SODIUM ADSORPTION RATIO	07/01/81-07/01/81	0	1	
LAVO0280	No	00931	SODIUM ADSORPTION RATIO	06/25/81-06/25/81	0	1	
LAVO0281	No	00931	SODIUM ADSORPTION RATIO	06/25/81-09/10/81	0	2	
LAVO0020	Yes	00932	SODIUM, PERCENT	06/17/81-06/17/81	0	1	
LAVO0043	No	00932	SODIUM, PERCENT	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00932	SODIUM, PERCENT	06/18/81-06/18/81	0	1	
LAVO0076	No	00932	SODIUM, PERCENT	06/29/81-09/10/81	0	2	
LAVO0080	No	00932	SODIUM, PERCENT	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00932	SODIUM, PERCENT	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00932	SODIUM, PERCENT	08/24/73-08/24/73	0	1	
LAVO0149	Yes	00932	SODIUM, PERCENT	08/23/73-08/23/73	0	1	
LAVO0158	No	00932	SODIUM, PERCENT	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00932	SODIUM, PERCENT	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00932	SODIUM, PERCENT	06/24/81-09/11/81	0	2	
LAVO0174	Yes	00932	SODIUM, PERCENT	11/26/73-11/26/73	0	1	
LAVO0175	No	00932	SODIUM, PERCENT	06/24/81-06/24/81	0	1	
LAVO0177	No	00932	SODIUM, PERCENT	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00932	SODIUM, PERCENT	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00932	SODIUM, PERCENT	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00932	SODIUM, PERCENT	06/24/81-09/09/81	0	2	
LAVO0198	No	00932	SODIUM, PERCENT	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00932	SODIUM, PERCENT	06/16/81-06/16/81	0	1	
LAVO0244	Yes	00932	SODIUM, PERCENT	06/23/81-09/09/81	0	2	
LAVO0246	Yes	00932	SODIUM, PERCENT	08/24/73-08/24/73	0	1	
LAVO0249	Yes	00932	SODIUM, PERCENT	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00932	SODIUM, PERCENT	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00932	SODIUM, PERCENT	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00932	SODIUM, PERCENT	10/18/73-10/18/73	0	1	
LAVO0266	Yes	00932	SODIUM, PERCENT	06/16/81-06/16/81	0	1	
LAVO0271	No	00932	SODIUM, PERCENT	07/01/81-07/01/81	0	1	
LAVO0272	No	00932	SODIUM, PERCENT	11/05/73-11/05/73	0	1	
LAVO0274	No	00932	SODIUM, PERCENT	10/24/79-07/21/81	1	8	
LAVO0276	No	00932	SODIUM, PERCENT	08/23/73-08/23/73	0	1	
LAVO0278	No	00932	SODIUM, PERCENT	06/25/81-06/25/81	0	1	
LAVO0279	No	00932	SODIUM, PERCENT	07/01/81-07/01/81	0	1	
LAVO0280	No	00932	SODIUM, PERCENT	06/25/81-06/25/81	0	1	
LAVO0281	No	00932	SODIUM, PERCENT	06/25/81-09/10/81	0	2	
LAVO0274	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	10/24/79-01/25/80	0	2	
LAVO0001	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/23/85-10/23/85	0	1	
LAVO0002	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0004	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/17/81-06/17/81	0	1	
LAVO0028	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/85-10/17/85	0	1	
LAVO0043	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/18/81-06/18/81	0	1	
LAVO0076	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/81-09/10/81	0	2	
LAVO0080	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/23/81-06/23/81	0	1	
LAVO0082	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0089	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0093	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-08/15/76	0	1	
LAVO0096	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0104	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/79-07/31/79	0	1	
LAVO0108	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/73-08/24/73	0	1	
LAVO0118	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0120	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/06/64-09/06/64	0	1	

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Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0134	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/64-08/24/64	0	1	
LAVO0143	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0149	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/23/73-08/23/73	0	1	
LAVO0151	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/05/64-09/05/64	0	1	
LAVO0158	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/75-07/31/79	4	2	
LAVO0166	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/30/81-09/09/81	0	2	
LAVO0168	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/75-07/17/75	0	1	
LAVO0172	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/26/73-11/26/73	0	1	
LAVO0175	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/81-06/24/81	0	1	
LAVO0176	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0177	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/81-06/24/81	0	1	
LAVO0178	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0180	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/81-09/09/81	0	2	
LAVO0191	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/15/79-07/15/79	0	1	
LAVO0192	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/79-08/01/79	0	1	
LAVO0198	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/22/81-09/08/81	0	2	
LAVO0200	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	0	1	
LAVO0203	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/79-08/15/79	0	1	
LAVO0204	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/21/79-08/21/79	0	1	
LAVO0208	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/16/81-06/16/81	0	1	
LAVO0209	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	0	1	
LAVO0212	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-08/01/76	1	2	
LAVO0213	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/79-08/01/79	0	1	
LAVO0218	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	0	1	
LAVO0219	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/64-07/24/64	0	1	
LAVO0222	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/02/76	0	2	
LAVO0224	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0225	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/76-08/24/79	3	3	
LAVO0226	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0227	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/03/76-08/24/79	2	3	
LAVO0228	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0229	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0230	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	0	1	
LAVO0231	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0232	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0233	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/76-09/02/76	0	1	
LAVO0236	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/03/76-09/03/76	0	1	
LAVO0237	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/02/76	0	2	
LAVO0239	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/03/76	0	2	
LAVO0244	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/23/81-09/09/81	0	2	
LAVO0245	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/73-08/24/73	0	1	
LAVO0247	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/79-08/22/79	0	1	
LAVO0249	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/02/81-07/02/81	0	1	
LAVO0250	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/75-07/17/75	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0251	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/03/76	0	2	
LAVO0252	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/30/81-06/30/81	0	1	
LAVO0253	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/79-08/22/79	0	1	
LAVO0254	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/73-10/18/73	0	1	
LAVO0266	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/16/81-06/16/81	0	1	
LAVO0271	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-07/01/81	0	1	
LAVO0272	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/73-11/05/73	0	1	
LAVO0274	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/79-07/21/81	1	8	
LAVO0276	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/23/73-08/23/73	0	1	
LAVO0278	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/81-06/25/81	0	1	
LAVO0279	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-07/01/81	0	1	
LAVO0280	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/81-06/25/81	0	1	
LAVO0281	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/81-09/10/81	0	2	
LAVO0023	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	06/26/74-06/30/85	11	3	
LAVO0148	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/80-07/28/86	6	3	
LAVO0189	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	07/23/80-06/30/85	4	3	
LAVO0243	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	03/10/80-02/19/87	6	4	
LAVO0255	Yes	00937	POTASSIUM, TOTAL MG/L AS K)	03/20/79-06/30/85	6	3	
LAVO0277	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/12/79-02/19/87	7	6	
LAVO0020	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/17/81-06/17/81	0	1	
LAVO0023	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/26/74-06/30/85	11	3	
LAVO0043	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-06/18/81	0	1	
LAVO0076	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/29/81-09/10/81	0	2	
LAVO0080	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/81-06/23/81	0	1	
LAVO0148	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/80-07/28/86	6	3	
LAVO0158	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/81-09/11/81	0	2	
LAVO0175	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/81-06/24/81	0	1	
LAVO0177	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/30/81-06/30/81	0	1	
LAVO0189	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/80-06/30/85	4	3	
LAVO0190	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/81-09/09/81	0	2	
LAVO0198	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/81-09/08/81	0	2	
LAVO0199	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	0	1	
LAVO0202	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/83-08/02/83	0	1	
LAVO0205	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	0	1	
LAVO0206	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/83-08/02/83	0	1	
LAVO0207	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	0	1	
LAVO0208	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/16/81-06/16/81	0	1	
LAVO0210	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	0	1	
LAVO0211	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	0	1	
LAVO0215	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/83-08/04/83	0	2	
LAVO0243	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/10/80-02/19/87	6	4	
LAVO0244	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	07/01/81-07/01/81	0	1	
LAVO0255	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	03/20/79-06/30/85	6	3	
LAVO0257	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/86-08/31/86	0	12	
LAVO0259	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/86-08/31/86	0	12	
LAVO0266	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	06/16/81-06/16/81	0	1	
LAVO0271	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/01/81-07/01/81	0	1	
LAVO0274	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/24/79-07/21/81	1	8	
LAVO0277	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/79-02/19/87	7	6	
LAVO0278	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/81-06/25/81	0	1	
LAVO0279	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/01/81-07/01/81	0	1	
LAVO0280	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/81-06/25/81	0	1	
LAVO0281	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/81-09/10/81	0	2	
LAVO0001	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/23/85-10/23/85	0	1	
LAVO0002	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0003	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0004	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0028	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/17/85-10/17/85	0	1	
LAVO0029	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0034	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0041	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0061	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0070	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0072	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0081	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0082	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0089	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0093	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-08/15/76	0	1	
LAVO0096	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0104	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/79-07/31/79	0	1	
LAVO0116	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/73-08/24/73	0	1	
LAVO0118	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0120	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/05/64-09/06/64	0	2	
LAVO0133	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/06/64-09/06/64	0	1	
LAVO0134	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/06/64-09/06/64	0	1	
LAVO0135	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/64-08/24/64	0	1	
LAVO0143	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0144	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0149	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/23/73-08/23/73	0	1	
LAVO0151	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/05/64-09/05/64	0	1	
LAVO0159	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/75-07/31/79	4	2	
LAVO0167	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	0	1	
LAVO0168	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/75-07/17/75	0	1	
LAVO0173	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/26/73-11/26/73	0	1	
LAVO0176	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0178	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0191	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/15/79-07/15/79	0	1	
LAVO0192	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/79-08/15/79	0	1	
LAVO0197	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/79-08/01/79	0	1	
LAVO0200	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	0	1	
LAVO0203	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/79-08/15/79	0	1	
LAVO0204	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/21/79-08/21/79	0	1	
LAVO0209	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	0	1	
LAVO0212	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-08/01/76	1	2	
LAVO0213	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/76-09/15/77	1	2	
LAVO0216	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/79-08/01/79	0	1	
LAVO0218	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	0	1	
LAVO0219	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/24/64-07/24/64	0	1	
LAVO0222	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/02/76	0	2	
LAVO0224	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0225	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/76-08/24/79	3	3	
LAVO0226	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0227	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/03/76-08/24/79	2	3	
LAVO0228	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0229	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0230	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	0	1	
LAVO0231	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0232	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0233	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/76-09/02/76	0	1	
LAVO0236	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/03/76-09/03/76	0	1	
LAVO0237	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/02/76	0	2	
LAVO0239	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0240	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/03/76	0	2	
LAVO0245	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/73-08/24/73	0	1	
LAVO0247	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/22/79-08/22/79	0	1	
LAVO0250	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/03/76	0	2	
LAVO0253	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/22/79-08/22/79	0	1	
LAVO0256	Yes	00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/18/73-10/18/73	0	1	
LAVO0272	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/05/73-11/05/73	0	1	
LAVO0276	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/23/73-08/23/73	0	1	
LAVO0020	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/81-06/17/81	0	1	
LAVO0023	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/26/74-06/30/85	11	3	
LAVO0043	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-06/18/81	0	1	
LAVO0076	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/81-09/10/81	0	2	
LAVO0080	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/81-06/23/81	0	1	
LAVO0148	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/80-07/28/86	6	3	
LAVO0158	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/81-09/11/81	0	2	
LAVO0175	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/81-06/24/81	0	1	
LAVO0177	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/81-06/30/81	0	1	
LAVO0189	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/80-06/30/85	4	3	
LAVO0190	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/81-09/09/81	0	2	
LAVO0198	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/16/81-06/16/81	0	1	
LAVO0243	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/10/80-02/19/87	6	4	
LAVO0244	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/81-07/01/81	0	1	
LAVO0255	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	03/20/79-06/30/85	6	3	
LAVO0257	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/86-08/31/86	0	12	
LAVO0259	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/86-08/31/86	0	12	
LAVO0263	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/88-10/25/88	0	29	
LAVO0266	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	06/16/81-06/16/81	0	1	
LAVO0271	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/81-07/01/81	0	1	
LAVO0274	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/79-07/21/81	1	7	
LAVO0277	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/12/79-02/19/87	7	6	
LAVO0278	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/81-06/25/81	0	1	
LAVO0279	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/81-07/01/81	0	1	
LAVO0280	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/81-06/25/81	0	1	
LAVO0281	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/81-09/10/81	0	2	
LAVO0082	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0093	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-08/15/76	0	1	
LAVO0104	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/79-07/31/79	0	1	
LAVO0116	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/73-08/24/73	0	1	
LAVO0120	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/06/64-09/06/64	0	1	
LAVO0134	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/64-08/24/64	0	1	
LAVO0149	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/23/73-08/23/73	0	1	
LAVO0151	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/05/64-09/05/64	0	1	
LAVO0159	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/75-07/31/79	4	2	
LAVO0168	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/01/76-09/01/76	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0170	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/75-07/17/75	0	1	
LAVO0173	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	11/26/73-11/26/73	0	1	
LAVO0178	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0191	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/15/79-07/15/79	0	1	
LAVO0192	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/79-08/01/79	0	1	
LAVO0200	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-07/16/75	0	1	
LAVO0203	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/79-08/15/79	0	1	
LAVO0204	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/21/79-08/21/79	0	1	
LAVO0212	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-08/01/76	1	2	
LAVO0213	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/79-08/01/79	0	1	
LAVO0219	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/24/64-07/24/64	0	1	
LAVO0222	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/02/76	0	2	
LAVO0224	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0225	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/76-08/24/79	3	3	
LAVO0226	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0227	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/03/76-08/24/79	2	3	
LAVO0228	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0229	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0230	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-07/16/75	0	1	
LAVO0231	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0232	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0233	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/76-09/02/76	0	1	
LAVO0236	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/03/76-09/03/76	0	1	
LAVO0237	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/02/76	0	2	
LAVO0239	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/03/76	0	2	
LAVO0245	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/73-08/24/73	0	1	
LAVO0247	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/22/79-08/22/79	0	1	
LAVO0250	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/03/76	0	2	
LAVO0253	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/22/79-08/22/79	0	1	
LAVO0256	Yes	00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/18/73-10/18/73	0	1	
LAVO0272	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	11/05/73-11/05/73	0	1	
LAVO0276	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/23/73-08/23/73	0	1	
LAVO0001	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/23/85-10/23/85	0	1	
LAVO0002	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0004	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/17/81-06/17/81	0	1	
LAVO0028	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/17/85-10/17/85	0	1	
LAVO0043	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/18/81-06/18/81	0	1	
LAVO0076	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/29/81-09/10/81	0	2	
LAVO0080	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/23/81-06/23/81	0	1	
LAVO0082	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0089	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0093	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-08/15/76	0	1	
LAVO0096	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0104	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/31/79-07/31/79	0	1	
LAVO0108	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/73-08/24/73	0	1	
LAVO0118	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0120	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/64-08/24/64	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0131	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/06/64-09/06/64	0	1	
LAVO0134	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/64-08/24/64	0	1	
LAVO0143	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0149	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/23/73-08/23/73	0	1	
LAVO0151	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/05/64-09/05/64	0	1	
LAVO0158	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/75-07/31/79	4	2	
LAVO0166	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/30/81-09/09/81	0	2	
LAVO0168	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/75-07/17/75	0	1	
LAVO0172	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/26/73-11/26/73	0	1	
LAVO0175	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/81-06/24/81	0	1	
LAVO0176	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0177	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/81-06/24/81	0	1	
LAVO0178	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0180	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/81-09/09/81	0	2	
LAVO0191	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/15/79-07/15/79	0	1	
LAVO0192	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/79-08/01/79	0	1	
LAVO0198	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/22/81-09/08/81	0	2	
LAVO0200	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	0	1	
LAVO0203	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/79-08/15/79	0	1	
LAVO0204	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/21/79-08/21/79	0	1	
LAVO0208	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/16/81-06/16/81	0	1	
LAVO0209	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	0	1	
LAVO0212	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-08/01/76	1	2	
LAVO0213	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/79-08/01/79	0	1	
LAVO0218	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	0	1	
LAVO0219	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/64-07/24/64	0	1	
LAVO0222	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/02/76	0	2	
LAVO0224	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0225	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/76-08/24/79	3	3	
LAVO0226	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0227	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/03/76-08/24/79	2	3	
LAVO0228	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0229	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0230	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	0	1	
LAVO0231	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0232	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0233	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/76-09/02/76	0	1	
LAVO0236	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/03/76-09/03/76	0	1	
LAVO0237	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/02/76	0	2	
LAVO0239	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/03/76	0	2	
LAVO0244	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/23/81-09/09/81	0	2	
LAVO0245	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/73-08/24/73	0	1	
LAVO0247	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/22/79-08/22/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0249	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/02/81-07/02/81	0	1	
LAVO0250	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/03/76	0	2	
LAVO0252	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/30/81-06/30/81	0	1	
LAVO0253	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/22/79-08/22/79	0	1	
LAVO0254	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/73-10/18/73	0	1	
LAVO0266	Yes	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/16/81-06/16/81	0	1	
LAVO0271	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/01/81-07/01/81	0	1	
LAVO0272	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/73-11/05/73	0	1	
LAVO0274	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/79-07/21/81	1	8	
LAVO0276	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/23/73-08/23/73	0	1	
LAVO0278	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/81-06/25/81	0	1	
LAVO0279	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/01/81-07/01/81	0	1	
LAVO0280	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/81-06/25/81	0	1	
LAVO0281	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/81-09/10/81	0	2	
LAVO0023	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	06/26/74-06/30/85	11	3	
LAVO0148	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	07/23/80-07/28/86	6	4	
LAVO0189	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	07/23/80-06/30/85	4	3	
LAVO0243	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	03/10/80-02/19/87	6	5	
LAVO0255	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	03/20/79-06/30/85	6	4	
LAVO0277	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/12/79-02/19/87	7	6	
LAVO0001	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/23/85-10/23/85	0	1	
LAVO0002	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0004	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/17/81-06/17/81	0	1	
LAVO0028	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/17/85-10/17/85	0	1	
LAVO0043	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/18/81-06/18/81	0	1	
LAVO0076	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/29/81-09/10/81	0	2	
LAVO0080	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/23/81-06/23/81	0	1	
LAVO0082	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0089	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0093	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-08/15/76	0	1	
LAVO0096	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0104	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/31/79-07/31/79	0	1	
LAVO0108	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/23/81-06/23/81	0	1	
LAVO0116	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/73-08/24/73	0	1	
LAVO0118	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0120	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/06/64-09/06/64	0	1	
LAVO0134	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/06/64-09/06/64	0	1	
LAVO0143	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0149	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/23/73-08/23/73	0	1	
LAVO0151	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/05/64-09/05/64	0	1	
LAVO0158	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/75-07/31/79	4	2	
LAVO0166	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/30/81-09/09/81	0	2	
LAVO0168	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/01/76-09/01/76	0	1	
LAVO0169	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/75-07/17/75	0	1	
LAVO0172	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/81-09/11/81	0	2	
LAVO0173	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/26/73-11/26/73	0	1	
LAVO0175	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/81-06/24/81	0	1	
LAVO0176	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0177	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/81-06/24/81	0	1	
LAVO0178	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0180	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/81-09/09/81	0	2	
LAVO0191	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/15/79-07/15/79	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0192	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/79-08/01/79	0	1	
LAVO0198	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/22/81-09/08/81	0	2	
LAVO0200	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	0	1	
LAVO0203	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/79-08/15/79	0	1	
LAVO0204	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/21/79-08/21/79	0	1	
LAVO0208	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/16/81-06/16/81	0	1	
LAVO0209	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	0	1	
LAVO0212	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-08/01/76	1	2	
LAVO0213	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/79-08/01/79	0	1	
LAVO0218	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	0	1	
LAVO0219	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/64-07/24/64	0	1	
LAVO0222	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/02/76	0	2	
LAVO0224	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0225	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/76-08/24/79	3	3	
LAVO0226	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0227	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/03/76-08/24/79	2	3	
LAVO0228	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0229	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0230	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	0	1	
LAVO0231	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0232	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0233	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/76-09/02/76	0	1	
LAVO0236	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/03/76-09/03/76	0	1	
LAVO0237	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/02/76	0	2	
LAVO0239	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/03/76	0	2	
LAVO0244	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/23/81-09/09/81	0	2	
LAVO0245	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/02/76	0	2	
LAVO0246	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/73-08/24/73	0	1	
LAVO0247	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/22/79-08/22/79	0	1	
LAVO0249	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/02/81-07/02/81	0	1	
LAVO0250	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/03/76	0	2	
LAVO0252	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/30/81-06/30/81	0	1	
LAVO0253	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/22/79-08/22/79	0	1	
LAVO0254	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/01/81-07/01/81	0	1	
LAVO0256	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/73-10/18/73	0	1	
LAVO0263	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/12/88-10/17/88	0	30	
LAVO0266	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/16/81-06/16/81	0	1	
LAVO0271	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/01/81-07/01/81	0	1	
LAVO0272	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/73-11/05/73	0	1	
LAVO0274	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/79-07/21/81	1	8	
LAVO0276	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/23/73-08/23/73	0	1	
LAVO0278	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/81-06/25/81	0	1	
LAVO0279	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/01/81-07/01/81	0	1	
LAVO0280	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/81-06/25/81	0	1	
LAVO0281	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/81-09/10/81	0	2	
LAVO0037	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/04/79-08/04/79	0	3	
LAVO0038	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/24/79-08/24/79	0	3	
LAVO0039	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/16/79-07/16/79	0	3	
LAVO0053	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/16/79-08/04/79	0	2	
LAVO0063	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/30/79-07/30/79	0	1	
LAVO0064	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/30/79-07/30/79	0	3	
LAVO0067	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-07/20/79	0	2	
LAVO0068	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-08/25/79	0	9	
LAVO0073	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/03/79-07/03/79	0	1	
LAVO0074	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/03/79-08/03/79	0	3	
LAVO0075	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-08/03/79	0	3	
LAVO0077	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/23/79-08/23/79	0	3	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0078	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/28/79-06/28/79	0	1	
LAVO0079	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/23/79-08/23/79	0	1	
LAVO0083	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/13/79-07/13/79	0	3	
LAVO0084	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/28/79-06/28/79	0	1	
LAVO0085	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/27/79-06/27/79	0	1	
LAVO0086	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/16/79-08/16/79	0	1	
LAVO0087	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/14/79-07/14/79	0	1	
LAVO0088	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/14/79-07/14/79	0	3	
LAVO0090	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/28/79-08/16/79	0	6	
LAVO0091	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/12/79-07/12/79	0	3	
LAVO0092	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/27/79-07/12/79	0	2	
LAVO0095	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/29/79-06/29/79	0	1	
LAVO0097	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/29/79-06/29/79	0	1	
LAVO0100	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/29/79-06/29/79	0	1	
LAVO0101	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/27/79-07/27/79	0	2	
LAVO0102	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/11/79-08/11/79	0	3	
LAVO0103	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	06/29/79-06/29/79	0	1	
LAVO0105	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/26/79-08/26/79	0	1	
LAVO0107	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/01/79-07/01/79	0	1	
LAVO0109	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/22/79-07/22/79	0	1	
LAVO0110	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/22/79-07/22/79	0	1	
LAVO0111	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/22/79-07/22/79	0	1	
LAVO0112	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-07/08/79	0	1	
LAVO0113	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-07/08/79	0	1	
LAVO0114	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-07/08/79	0	1	
LAVO0115	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/31/79-07/31/79	0	1	
LAVO0119	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/31/79-07/31/79	0	3	
LAVO0121	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/01/79-07/01/79	0	1	
LAVO0145	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/24/79-07/24/79	0	2	
LAVO0146	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	07/24/79-08/06/79	0	2	
LAVO0147	Yes	00956	SILICA, TOTAL (MG/L AS SI02)	08/06/79-08/06/79	0	2	
LAVO0156	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/76-09/15/76	0	1	
LAVO0192	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/79-08/15/79	0	1	
LAVO0203	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/79-08/15/79	0	1	
LAVO0212	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/16/75-08/01/76	1	2	
LAVO0213	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/79-08/15/79	0	1	
LAVO0225	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/01/76-09/03/76	0	2	
LAVO0227	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/03/76-08/01/79	2	2	
LAVO0230	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/16/75-07/16/75	0	1	
LAVO0236	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/03/76-09/03/76	0	1	
LAVO0239	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/16/75-07/16/75	0	1	
LAVO0122	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/05/64-09/05/64	0	1	
LAVO0131	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/06/64-09/06/64	0	1	
LAVO0157	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	09/05/64-09/05/64	0	1	
LAVO0221	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/64-07/24/64	0	1	
LAVO0274	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/17/80-07/21/81	1	4	
LAVO0120	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/76-09/01/76	0	2	
LAVO0156	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/15/76-09/15/76	0	1	
LAVO0192	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/79-08/15/79	0	1	
LAVO0203	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/79-08/15/79	0	1	
LAVO0212	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/16/75-08/01/76	1	2	
LAVO0213	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/76-09/15/77	1	2	
LAVO0219	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/76-09/02/76	0	1	
LAVO0223	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/76-09/02/76	0	2	
LAVO0225	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/01/76-09/03/76	0	2	
LAVO0227	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/03/76-08/01/79	2	2	
LAVO0230	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/16/75-07/16/75	0	1	
LAVO0234	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/76-09/02/76	0	1	
LAVO0236	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/03/76-09/03/76	0	1	
LAVO0239	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/16/75-07/16/75	0	1	
LAVO0245	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/76-09/02/76	0	2	
LAVO0251	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/76-09/03/76	0	2	
LAVO0274	No	01007	BARIUM, TOTAL (UG/L AS BA)	03/17/80-07/21/81	1	4	
LAVO0124	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/24/64-08/24/64	0	1	
LAVO0124	Yes	01017	BISMUTH, TOTAL (UG/L AS BI)	08/24/64-08/24/64	0	1	
LAVO0003	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0020	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/17/81-06/17/81	0	1	
LAVO0029	Yes	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0034	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0041	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0061	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0070	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0071	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/18/81-06/18/81	0	1	
LAVO0072	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0081	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0082	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0093	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-08/15/76	0	1	
LAVO0104	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/31/79-07/31/79	0	1	
LAVO0116	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/24/73-08/24/73	0	1	
LAVO0120	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/06/64-09/06/64	0	1	
LAVO0134	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/24/64-08/24/64	0	1	
LAVO0144	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0149	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/23/73-08/23/73	0	1	
LAVO0151	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/05/64-09/05/64	0	1	
LAVO0158	No	01020	BORON, DISSOLVED (UG/L AS B)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/17/75-07/31/79	4	2	
LAVO0167	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	0	1	
LAVO0168	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/17/75-07/17/75	0	1	
LAVO0173	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	01020	BORON, DISSOLVED (UG/L AS B)	11/26/73-11/26/73	0	1	
LAVO0178	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0191	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/15/79-07/15/79	0	1	
LAVO0192	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/01/79-08/01/79	0	1	
LAVO0200	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	0	1	
LAVO0203	No	01020	BORON, DISSOLVED (UG/L AS B)	08/15/79-08/15/79	0	1	
LAVO0204	No	01020	BORON, DISSOLVED (UG/L AS B)	08/21/79-08/21/79	0	1	
LAVO0208	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/16/81-06/16/81	0	1	
LAVO0209	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	0	1	
LAVO0212	No	01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-08/01/76	1	2	
LAVO0214	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/01/79-08/01/79	0	1	
LAVO0219	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/02/76-09/02/76	0	1	
LAVO0222	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/02/76	0	2	
LAVO0224	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0225	No	01020	BORON, DISSOLVED (UG/L AS B)	08/01/76-08/24/79	3	3	
LAVO0226	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0227	No	01020	BORON, DISSOLVED (UG/L AS B)	09/03/76-08/24/79	2	3	
LAVO0228	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0229	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0230	No	01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	0	1	
LAVO0231	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0232	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0233	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	01020	BORON, DISSOLVED (UG/L AS B)	09/02/76-09/02/76	0	1	
LAVO0236	No	01020	BORON, DISSOLVED (UG/L AS B)	09/03/76-09/03/76	0	1	
LAVO0237	No	01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/02/76	0	2	
LAVO0239	No	01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/03/76	0	2	
LAVO0245	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/02/76	0	2	

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Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0246	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/24/73-08/24/73	0	1	
LAVO0247	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/22/79-08/22/79	0	1	
LAVO0250	Yes	01020	BORON, DISSOLVED (UG/L AS B)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/03/76	0	2	
LAVO0253	No	01020	BORON, DISSOLVED (UG/L AS B)	08/22/79-08/22/79	0	1	
LAVO0256	Yes	01020	BORON, DISSOLVED (UG/L AS B)	10/18/73-10/18/73	0	1	
LAVO0266	Yes	01020	BORON, DISSOLVED (UG/L AS B)	06/16/81-06/16/81	0	1	
LAVO0272	No	01020	BORON, DISSOLVED (UG/L AS B)	11/05/73-11/05/73	0	1	
LAVO0274	No	01020	BORON, DISSOLVED (UG/L AS B)	10/24/79-07/21/81	1	8	
LAVO0276	No	01020	BORON, DISSOLVED (UG/L AS B)	08/23/73-08/23/73	0	1	
LAVO0124	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	08/24/64-08/24/64	0	1	
LAVO0274	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/17/80-07/21/81	1	4	
LAVO0124	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/24/64-08/24/64	0	1	
LAVO0263	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/11/88-10/11/88	0	3	
LAVO0274	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/17/80-07/21/81	1	4	
LAVO0124	Yes	01037	COBALT, TOTAL (UG/L AS CO)	08/24/64-08/24/64	0	1	
LAVO0124	Yes	01042	COPPER, TOTAL (UG/L AS CU)	08/24/64-08/24/64	0	1	
LAVO0263	Yes	01042	COPPER, TOTAL (UG/L AS CU)	07/12/88-10/11/88	0	4	
LAVO0274	No	01042	COPPER, TOTAL (UG/L AS CU)	03/17/80-07/21/81	1	4	
LAVO0274	No	01044	IRON, SUSPENDED (UG/L AS FE)	07/23/80-07/21/81	0	3	
LAVO0116	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/24/73-08/24/73	0	1	
LAVO0124	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/24/64-08/24/64	0	1	
LAVO0149	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/23/73-08/23/73	0	1	
LAVO0174	Yes	01045	IRON, TOTAL (UG/L AS FE)	11/26/73-11/26/73	0	1	
LAVO0246	Yes	01045	IRON, TOTAL (UG/L AS FE)	08/24/73-08/24/73	0	1	
LAVO0256	Yes	01045	IRON, TOTAL (UG/L AS FE)	10/18/73-10/18/73	0	1	
LAVO0263	Yes	01045	IRON, TOTAL (UG/L AS FE)	07/12/88-10/17/88	0	10	
LAVO0272	No	01045	IRON, TOTAL (UG/L AS FE)	11/05/73-11/05/73	0	1	
LAVO0274	No	01045	IRON, TOTAL (UG/L AS FE)	03/17/80-07/21/81	1	4	
LAVO0276	No	01045	IRON, TOTAL (UG/L AS FE)	08/23/73-08/23/73	0	1	
LAVO0020	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/18/81-06/18/81	0	1	
LAVO0093	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	0	1	
LAVO0104	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	0	1	
LAVO0116	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/24/73-08/24/73	0	1	
LAVO0120	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/01/76-09/01/76	0	1	
LAVO0149	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/23/73-08/23/73	0	1	
LAVO0156	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/15/76-09/15/76	0	1	
LAVO0158	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	0	1	
LAVO0168	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/01/76-09/01/76	0	1	
LAVO0169	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/01/76-09/01/76	0	1	
LAVO0173	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	07/28/56-07/28/56	0	1	
LAVO0174	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	11/26/73-11/26/73	0	1	
LAVO0192	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/79-08/01/79	0	1	
LAVO0203	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/79-08/15/79	0	1	
LAVO0208	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/16/81-06/16/81	0	1	
LAVO0212	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/76-08/01/76	0	1	
LAVO0213	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	0	1	
LAVO0216	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/79-08/01/79	0	1	
LAVO0219	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	0	1	
LAVO0223	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	0	1	
LAVO0225	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/76-09/03/76	0	2	
LAVO0227	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/03/76-08/01/79	2	2	
LAVO0234	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-08/01/79	2	2	
LAVO0235	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	0	1	
LAVO0236	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/03/76-09/03/76	0	1	
LAVO0238	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	0	1	
LAVO0240	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/03/76-09/03/76	0	1	
LAVO0245	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	0	1	
LAVO0246	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	08/24/73-08/24/73	0	1	
LAVO0251	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	09/03/76-09/03/76	0	1	
LAVO0256	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	10/18/73-10/18/73	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0266	Yes	01046	IRON, DISSOLVED (UG/L AS FE)	06/16/81-06/16/81	0	1	
LAVO0272	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/05/73-11/05/73	0	1	
LAVO0274	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/24/79-07/21/81	1	8	
LAVO0276	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/23/73-08/23/73	0	1	
LAVO0124	Yes	01051	LEAD, TOTAL (UG/L AS PB)	08/24/64-08/24/64	0	1	
LAVO0274	No	01051	LEAD, TOTAL (UG/L AS PB)	03/17/80-07/21/81	1	4	
LAVO0124	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	08/24/64-08/24/64	0	1	
LAVO0263	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/88-10/11/88	0	7	
LAVO0274	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/80-07/21/81	1	4	
LAVO0001	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/85-10/23/85	0	1	
LAVO0002	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0004	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/81-06/17/81	0	1	
LAVO0028	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/17/85-10/17/85	0	1	
LAVO0071	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/18/81-06/18/81	0	1	
LAVO0089	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0093	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/79-07/31/79	0	1	
LAVO0096	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0120	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/76-09/01/76	0	1	
LAVO0143	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0156	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/15/76-09/15/76	0	1	
LAVO0158	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/79-07/31/79	0	1	
LAVO0168	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/76-09/01/76	0	1	
LAVO0169	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/76-09/01/76	0	1	
LAVO0176	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0192	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/79-08/01/79	0	1	
LAVO0203	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/79-08/15/79	0	1	
LAVO0208	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/16/81-06/16/81	0	1	
LAVO0212	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/76-08/01/76	0	1	
LAVO0213	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	0	1	
LAVO0216	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/79-08/01/79	0	1	
LAVO0218	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	0	1	
LAVO0219	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	0	1	
LAVO0223	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	0	1	
LAVO0225	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/76-09/03/76	0	2	
LAVO0227	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/03/76-08/01/79	2	2	
LAVO0234	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-08/01/79	2	2	
LAVO0235	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	0	1	
LAVO0236	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/03/76-09/03/76	0	1	
LAVO0238	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	0	1	
LAVO0240	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/03/76-09/03/76	0	1	
LAVO0245	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	0	1	
LAVO0251	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/03/76-09/03/76	0	1	
LAVO0266	Yes	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/16/81-06/16/81	0	1	
LAVO0124	Yes	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/24/64-08/24/64	0	1	
LAVO0124	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	08/24/64-08/24/64	0	1	
LAVO0120	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/06/64-09/06/64	0	1	
LAVO0156	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/05/64-09/05/64	0	1	
LAVO0192	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/79-08/15/79	0	1	
LAVO0203	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/79-08/15/79	0	1	
LAVO0212	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/16/75-08/01/76	1	2	
LAVO0213	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/02/76-09/15/77	1	2	
LAVO0219	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/24/64-07/24/64	0	1	
LAVO0223	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/76-09/02/76	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0225	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/01/76-09/03/76	0	2	
LAVO0227	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/03/76-08/01/79	2	2	
LAVO0230	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/16/75-07/16/75	0	1	
LAVO0234	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/02/76-09/02/76	0	1	
LAVO0236	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/03/76-09/03/76	0	1	
LAVO0239	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/16/75-07/16/75	0	1	
LAVO0251	Yes	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/76-09/03/76	0	2	
LAVO0212	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/01/76-08/01/76	0	1	
LAVO0225	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/01/76-08/01/76	0	1	
LAVO0227	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/01/79-08/01/79	0	1	
LAVO0124	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	08/24/64-08/24/64	0	1	
LAVO0274	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/17/80-07/21/81	1	4	
LAVO0001	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/85-10/23/85	0	1	
LAVO0002	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0004	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0028	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/17/85-10/17/85	0	1	
LAVO0089	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0124	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/64-08/24/64	0	1	
LAVO0143	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0176	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0218	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	0	1	
LAVO0263	Yes	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/88-07/12/88	0	1	
LAVO0093	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	0	1	
LAVO0104	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	0	1	
LAVO0156	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/15/76-09/15/76	0	1	
LAVO0159	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	0	1	
LAVO0192	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	0	1	
LAVO0203	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/79-08/15/79	0	1	
LAVO0212	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/76-08/01/76	0	1	
LAVO0213	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/79-08/15/79	0	1	
LAVO0216	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	0	1	
LAVO0225	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/76-08/01/76	0	1	
LAVO0227	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	0	1	
LAVO0234	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	0	1	
LAVO0240	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	0	1	
LAVO0120	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/76-09/01/76	0	2	
LAVO0156	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	09/15/76-09/15/76	0	1	
LAVO0168	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	09/01/76-09/01/76	0	1	
LAVO0192	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/79-08/15/79	0	1	
LAVO0203	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/79-08/15/79	0	1	
LAVO0212	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	07/16/75-08/01/76	1	2	
LAVO0213	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	09/02/76-09/15/77	1	2	
LAVO0219	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	09/02/76-09/02/76	0	1	
LAVO0222	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/76-09/02/76	0	2	
LAVO0224	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0225	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/01/76-08/24/79	3	3	
LAVO0226	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0227	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	09/03/76-08/24/79	2	3	
LAVO0228	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0229	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0230	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	07/16/75-07/16/75	0	1	
LAVO0231	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0232	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0233	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	09/02/76-09/02/76	0	1	
LAVO0236	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	09/03/76-09/03/76	0	1	
LAVO0237	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	0	1	
LAVO0239	No	01115	CESIUM, DISSOLVED (UG/L AS CS)	07/16/75-07/16/75	0	1	
LAVO0245	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/76-09/02/76	0	2	
LAVO0251	Yes	01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/76-09/03/76	0	2	
LAVO0124	Yes	01122	GALLIUM, TOTAL (UG/L AS GA)	08/24/64-08/24/64	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0124	Yes	01127	GERMANIUM, TOTAL (UG/L AS GE)	08/24/64-08/24/64	0	1	
LAVO0082	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0093	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/25/81	5	3	
LAVO0094	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-08/15/76	0	1	
LAVO0104	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/31/79-07/31/79	0	1	
LAVO0120	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/01/76	0	2	
LAVO0122	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/64-08/24/64	0	1	
LAVO0129	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/06/64-09/06/64	0	1	
LAVO0142	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/64-08/24/64	0	1	
LAVO0151	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/15/76-09/15/76	0	1	
LAVO0157	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/05/64-09/05/64	0	1	
LAVO0159	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/17/75-07/31/79	4	2	
LAVO0168	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/01/76	0	2	
LAVO0169	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/17/75-07/17/75	0	1	
LAVO0178	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0191	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/15/79-07/15/79	0	1	
LAVO0192	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/79-08/15/79	0	1	
LAVO0197	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/79-08/01/79	0	1	
LAVO0200	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	0	1	
LAVO0203	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/79-08/15/79	0	1	
LAVO0204	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/21/79-08/21/79	0	1	
LAVO0209	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	0	1	
LAVO0212	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-08/01/76	1	2	
LAVO0213	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/76-09/15/77	1	2	
LAVO0216	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/79-08/15/79	0	1	
LAVO0217	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/79-08/01/79	0	1	
LAVO0219	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/76-09/02/76	0	1	
LAVO0221	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/24/64-07/24/64	0	1	
LAVO0222	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/02/76	0	2	
LAVO0224	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0225	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/76-08/24/79	3	3	
LAVO0226	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0227	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/03/76-08/24/79	2	3	
LAVO0228	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0229	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0230	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	0	1	
LAVO0231	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0232	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0233	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-08/01/79	2	3	
LAVO0235	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/76-09/02/76	0	1	
LAVO0236	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/03/76-09/03/76	0	1	
LAVO0237	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	0	1	
LAVO0238	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/02/76	0	2	
LAVO0239	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/79-08/01/79	0	1	
LAVO0242	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/03/76	0	2	
LAVO0245	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/02/76	0	2	
LAVO0247	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/15/75-07/15/75	0	1	
LAVO0248	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/22/79-08/22/79	0	1	
LAVO0250	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/17/75-07/17/75	0	2	
LAVO0251	Yes	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/03/76	0	2	
LAVO0253	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/22/79-08/22/79	0	1	
LAVO0120	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/76-09/01/76	0	2	
LAVO0156	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/15/76-09/15/76	0	1	
LAVO0168	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/01/76-09/01/76	0	1	
LAVO0192	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/79-08/15/79	0	1	
LAVO0203	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/79-08/15/79	0	1	
LAVO0212	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	07/16/75-08/01/76	1	2	
LAVO0213	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/79-08/15/79	0	1	
LAVO0214	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/02/76-09/15/77	1	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0219	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/02/76-09/02/76	0	1	
LAVO0220	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/02/76-09/02/76	0	1	
LAVO0222	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0223	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/76-09/02/76	0	2	
LAVO0224	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0225	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/01/76-08/24/79	3	3	
LAVO0226	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0227	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/03/76-08/24/79	2	3	
LAVO0228	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0229	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0230	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	07/16/75-07/16/75	0	1	
LAVO0231	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0232	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0233	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0234	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/02/76-09/02/76	0	1	
LAVO0236	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/03/76-09/03/76	0	1	
LAVO0237	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	0	1	
LAVO0239	No	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	07/16/75-07/16/75	0	1	
LAVO0245	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/76-09/02/76	0	2	
LAVO0251	Yes	01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/76-09/03/76	0	2	
LAVO0124	Yes	01152	TITANIUM, TOTAL (UG/L AS TI)	08/24/64-08/24/64	0	1	
LAVO0243	Yes	01501	ALPHA, TOTAL	02/23/84-12/04/86	2	3	
LAVO0277	No	01501	ALPHA, TOTAL	05/23/79-05/01/84	4	5	
LAVO0243	Yes	01502	ALPHA, TOTAL, COUNTING ERROR	02/23/84-12/04/86	2	3	
LAVO0277	No	01502	ALPHA, TOTAL, COUNTING ERROR	05/23/79-05/01/84	4	5	
LAVO0243	Yes	03501	BETA, TOTAL	02/23/84-05/01/84	0	2	
LAVO0277	No	03501	BETA, TOTAL	05/23/79-05/01/84	4	5	
LAVO0243	Yes	03502	BETA, TOTAL, COUNTING ERROR	02/23/84-05/01/84	0	2	
LAVO0277	No	03502	BETA, TOTAL, COUNTING ERROR	05/23/79-05/01/84	4	5	
LAVO0274	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/24/79-09/23/81	1	15	
LAVO0274	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/24/79-09/23/81	1	16	
LAVO0243	Yes	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	32104	BROMOFORM,WHOLE WATER,UG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	32106	CHLOROFORM,WHOLE WATER,UG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34301	CHLOROBENZENE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34311	CHLOROETHANE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34371	ETHYLBENZENE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34418	METHYL CHLORIDE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34423	METHYLENE CHLORIDE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34496	1,1-DICHLOROETHANE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34501	1,1-DICHLOROETHYLENE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34531	1,2-DICHLOROETHANE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34536	1,2-DICHLOROBENZENE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34541	1,2-DICHLOROPROPANE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34566	1,3-DICHLOROBENZENE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34571	1,4-DICHLOROBENZENE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34668	DICHLORODIFUOROMETHANE TOTWUG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	10/31/86-10/31/86	0	1	
LAVO0023	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/23/80-06/30/85	4	2	
LAVO0148	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/23/80-07/28/86	6	3	
LAVO0189	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/23/80-06/30/85	4	3	
LAVO0243	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/10/80-02/19/87	6	4	
LAVO0255	Yes	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/20/79-06/30/85	6	3	
LAVO0277	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/12/79-02/19/87	7	6	
LAVO0173	Yes	39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	07/28/56-07/28/56	0	1	
LAVO0148	Yes	39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	07/23/80-07/28/86	6	2	
LAVO0189	Yes	39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	07/23/80-07/23/80	0	1	
LAVO0243	Yes	39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	03/10/80-12/11/85	5	2	
LAVO0255	Yes	39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	03/20/79-06/30/85	6	2	
LAVO0277	No	39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	03/12/79-03/14/85	6	2	
LAVO0243	Yes	39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	10/31/86-10/31/86	0	1	
LAVO0243	Yes	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/31/86-10/31/86	0	1	
LAVO0148	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/23/80-07/28/86	6	2	
LAVO0189	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/23/80-07/23/80	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0243	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/10/80-12/11/85	5	2	
LAVO0255	Yes	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/20/79-06/30/85	6	2	
LAVO0277	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/12/79-03/14/85	6	2	
LAVO0148	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/28/86	6	2	
LAVO0189	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/23/80	0	1	
LAVO0243	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/10/80-12/11/85	5	2	
LAVO0255	Yes	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/20/79-06/30/85	6	2	
LAVO0277	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/12/79-03/14/85	6	2	
LAVO0148	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/28/86	6	2	
LAVO0189	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/23/80	0	1	
LAVO0243	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/10/80-12/11/85	5	2	
LAVO0255	Yes	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/20/79-06/30/85	6	2	
LAVO0277	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/12/79-03/14/85	6	2	
LAVO0148	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/28/86	6	2	
LAVO0189	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/23/80	0	1	
LAVO0243	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	03/10/80-12/11/85	5	2	
LAVO0255	Yes	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	03/20/79-06/30/85	6	2	
LAVO0277	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	03/12/79-03/14/85	6	2	
LAVO0148	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/28/86	6	2	
LAVO0189	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/23/80	0	1	
LAVO0243	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/10/80-12/11/85	5	2	
LAVO0255	Yes	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/20/79-06/30/85	6	2	
LAVO0277	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/12/79-03/14/85	6	2	
LAVO0257	Yes	49130	CHLORINE, TOTAL AVAILABLE, DISSOLVED MG/L	06/29/86-08/31/86	0	11	
LAVO0259	Yes	49130	CHLORINE, TOTAL AVAILABLE, DISSOLVED MG/L	06/29/86-08/31/86	0	11	
LAVO0008	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/30/60-06/30/60	0	1	
LAVO0010	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	0	1	
LAVO0011	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	0	1	
LAVO0012	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/15/60-06/15/60	0	1	
LAVO0013	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	0	1	
LAVO0014	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/23/60-06/23/60	0	1	
LAVO0016	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	0	1	
LAVO0017	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/27/60-06/27/60	0	1	
LAVO0018	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	0	1	
LAVO0019	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	0	1	
LAVO0021	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/26/60	0	2	
LAVO0024	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/15/60-06/26/60	0	2	
LAVO0026	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/15/60-06/15/60	0	1	
LAVO0045	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	09/19/60-09/19/60	0	1	
LAVO0058	Yes	49701	TRANSPARENCY, SECCHI DISK, WATER FT	08/17/60-09/08/60	0	2	
LAVO0258	Yes	50040	ELEVATION OF WATER LEVEL WITH REF.TO MEAN SEA L FT	04/03/89-11/01/89	0	34	
LAVO0261	Yes	50040	ELEVATION OF WATER LEVEL WITH REF.TO MEAN SEA L FT	01/30/89-03/10/92	3	55	T
LAVO0257	Yes	50064	CHLORINE, FREE AVAILABLE (MG/L)	06/29/86-08/31/86	0	11	
LAVO0259	Yes	50064	CHLORINE, FREE AVAILABLE (MG/L)	06/29/86-08/31/86	0	11	
LAVO0001	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/23/85-10/23/85	0	1	
LAVO0002	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0004	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0005	Yes	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0028	No	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/17/85-10/17/85	0	1	
LAVO0089	Yes	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0096	Yes	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0118	Yes	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0143	Yes	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0176	Yes	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0218	Yes	70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	0	1	
LAVO0116	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/24/73-08/24/73	0	1	
LAVO0149	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/23/73-08/23/73	0	1	
LAVO0174	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/26/73-11/26/73	0	1	
LAVO0246	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/24/73-08/24/73	0	1	
LAVO0256	Yes	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	10/18/73-10/18/73	0	1	
LAVO0272	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/05/73-11/05/73	0	1	
LAVO0276	No	70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/23/73-08/23/73	0	1	
LAVO0020	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/17/81-06/17/81	0	1	
LAVO0023	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/26/74-06/30/85	11	3	
LAVO0043	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/23/81-09/10/81	0	2	
LAVO0071	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-06/18/81	0	1	
LAVO0076	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/29/81-09/10/81	0	2	
LAVO0080	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/23/81-06/23/81	0	1	
LAVO0108	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/23/81-06/23/81	0	1	
LAVO0148	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/80-07/28/86	6	3	
LAVO0158	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-06/18/81	0	1	
LAVO0166	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-09/09/81	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0172	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/81-09/11/81	0	2	
LAVO0175	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/81-06/24/81	0	1	
LAVO0177	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/81-06/24/81	0	1	
LAVO0180	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-09/09/81	0	2	
LAVO0181	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-06/30/81	0	1	
LAVO0182	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/29/93-09/29/93	0	8	
LAVO0183	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/29/93-09/29/93	0	16	
LAVO0184	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/29/93-09/29/93	0	16	
LAVO0185	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/24/93-09/24/93	0	11	
LAVO0186	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/24/93-09/24/93	0	9	
LAVO0188	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/29/93-09/29/93	0	16	
LAVO0189	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/80-06/30/85	4	3	
LAVO0190	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/81-09/09/81	0	2	
LAVO0198	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/22/81-09/08/81	0	2	
LAVO0208	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/16/81-06/16/81	0	1	
LAVO0243	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/10/80-02/19/87	6	4	
LAVO0244	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/23/81-09/09/81	0	2	
LAVO0249	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/02/81-07/02/81	0	1	
LAVO0252	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-06/30/81	0	1	
LAVO0254	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/01/81-07/01/81	0	1	
LAVO0255	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/79-06/30/85	6	3	
LAVO0266	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/16/81-06/16/81	0	1	
LAVO0271	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/01/81-07/01/81	0	1	
LAVO0277	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/12/79-02/19/87	7	6	
LAVO0278	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/81-06/25/81	0	1	
LAVO0279	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/01/81-07/01/81	0	1	
LAVO0280	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/81-06/25/81	0	1	
LAVO0281	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/81-09/10/81	0	2	
LAVO0020	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/17/81-06/17/81	0	1	
LAVO0043	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/18/81-06/18/81	0	1	
LAVO0076	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/29/81-09/10/81	0	2	
LAVO0080	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/23/81-06/23/81	0	1	
LAVO0122	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/05/64-09/05/64	0	1	
LAVO0135	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/06/64-09/06/64	0	1	
LAVO0157	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/05/64-09/05/64	0	1	
LAVO0158	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/30/81-09/09/81	0	2	
LAVO0172	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/81-09/11/81	0	2	
LAVO0175	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/81-06/24/81	0	1	
LAVO0177	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/81-09/09/81	0	2	
LAVO0198	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/22/81-09/08/81	0	2	
LAVO0208	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/16/81-06/16/81	0	1	
LAVO0221	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/24/64-07/24/64	0	1	
LAVO0244	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/23/81-09/09/81	0	2	
LAVO0249	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/16/81-06/16/81	0	1	
LAVO0271	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/01/81-07/01/81	0	1	
LAVO0274	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/24/79-07/21/81	1	7	
LAVO0278	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/81-06/25/81	0	1	
LAVO0279	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/01/81-07/01/81	0	1	
LAVO0280	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/81-06/25/81	0	1	
LAVO0281	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/81-09/10/81	0	2	
LAVO0043	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/23/81-09/10/81	0	2	
LAVO0080	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/23/81-06/23/81	0	1	
LAVO0108	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/23/81-06/23/81	0	1	
LAVO0172	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/24/81-09/11/81	0	2	
LAVO0175	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/24/81-06/24/81	0	1	
LAVO0177	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/24/81-06/24/81	0	1	
LAVO0190	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/24/81-09/09/81	0	2	
LAVO0198	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/22/81-09/08/81	0	2	
LAVO0244	Yes	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/23/81-09/09/81	0	2	
LAVO0274	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/24/79-07/21/81	1	8	
LAVO0278	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/25/81-06/25/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0280	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/25/81-06/25/81	0	1	
LAVO0281	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/25/81-09/10/81	0	2	
LAVO0020	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/17/81-06/17/81	0	1	
LAVO0043	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/23/81-09/10/81	0	2	
LAVO0071	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/18/81-06/18/81	0	1	
LAVO0080	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/23/81-06/23/81	0	1	
LAVO0108	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/23/81-06/23/81	0	1	
LAVO0116	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/24/73-08/24/73	0	1	
LAVO0149	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/23/73-08/23/73	0	1	
LAVO0158	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/18/81-06/18/81	0	1	
LAVO0172	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/24/81-09/11/81	0	2	
LAVO0174	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/26/73-11/26/73	0	1	
LAVO0175	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/24/81-06/24/81	0	1	
LAVO0177	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/24/81-06/24/81	0	1	
LAVO0190	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/24/81-09/09/81	0	2	
LAVO0198	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/22/81-09/08/81	0	2	
LAVO0208	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/16/81-06/16/81	0	1	
LAVO0244	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/23/81-09/09/81	0	2	
LAVO0246	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/24/73-08/24/73	0	1	
LAVO0256	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/18/73-10/18/73	0	1	
LAVO0266	Yes	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/16/81-06/16/81	0	1	
LAVO0272	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/73-11/05/73	0	1	
LAVO0274	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/24/79-07/21/81	1	8	
LAVO0276	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/23/73-08/23/73	0	1	
LAVO0278	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/25/81-06/25/81	0	1	
LAVO0280	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/25/81-06/25/81	0	1	
LAVO0281	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/25/81-09/10/81	0	2	
LAVO0020	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/81-06/18/81	0	1	
LAVO0158	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/81-06/18/81	0	1	
LAVO0208	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/16/81-06/16/81	0	1	
LAVO0266	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/16/81-06/16/81	0	1	
LAVO0148	Yes	71814	LANGELIER INDEX, CORROSIVITY, WATER, INDEX NUMBER	08/23/83-08/23/83	0	1	
LAVO0189	Yes	71814	LANGELIER INDEX, CORROSIVITY, WATER, INDEX NUMBER	08/22/83-08/22/83	0	1	
LAVO0243	Yes	71814	LANGELIER INDEX, CORROSIVITY, WATER, INDEX NUMBER	08/23/83-08/23/83	0	1	
LAVO0208	Yes	71825	ACIDITY, TOTAL (MG/L AS H)	06/16/81-06/16/81	0	1	
LAVO0189	Yes	71830	HYDROXIDE ION (MG/L AS OH)	08/22/83-08/22/83	0	1	
LAVO0243	Yes	71830	HYDROXIDE ION (MG/L AS OH)	08/23/83-02/19/87	3	2	
LAVO0277	No	71830	HYDROXIDE ION (MG/L AS OH)	03/10/80-02/19/87	6	2	
LAVO0274	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/24/79-01/20/81	1	6	
LAVO0020	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/17/81-06/17/81	0	1	
LAVO0043	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/23/81-09/10/81	0	2	
LAVO0071	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/18/81-06/18/81	0	1	
LAVO0076	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/29/81-09/10/81	0	2	
LAVO0080	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/23/81-06/23/81	0	1	
LAVO0151	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	0	1	
LAVO0156	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	09/15/76-09/15/76	0	1	
LAVO0158	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/18/81-06/18/81	0	1	
LAVO0159	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/17/75-07/31/79	4	2	
LAVO0166	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/30/81-09/09/81	0	2	
LAVO0170	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/17/75-07/17/75	0	1	
LAVO0172	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/24/81-09/11/81	0	2	
LAVO0175	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/24/81-06/24/81	0	1	
LAVO0177	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/24/81-06/24/81	0	1	
LAVO0180	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/30/81-09/09/81	0	2	
LAVO0181	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/30/81-06/30/81	0	1	
LAVO0190	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/24/81-09/09/81	0	2	
LAVO0192	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/15/79-08/15/79	0	1	
LAVO0198	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/22/81-09/08/81	0	2	
LAVO0200	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	0	1	
LAVO0203	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/15/79-08/15/79	0	1	
LAVO0208	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/16/81-06/16/81	0	1	
LAVO0209	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	0	1	
LAVO0212	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-08/01/76	1	2	
LAVO0213	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/15/79-08/15/79	0	1	
LAVO0216	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/15/79-08/15/79	0	1	
LAVO0225	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/76-08/01/76	0	1	
LAVO0227	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/79-08/01/79	0	1	
LAVO0230	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0234	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/79-08/01/79	0	1	
LAVO0239	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/79-08/01/79	0	1	
LAVO0241	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/79-08/01/79	0	1	
LAVO0244	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/23/81-09/09/81	0	2	
LAVO0247	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/15/75-07/15/75	0	1	
LAVO0249	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/02/81-07/02/81	0	1	
LAVO0250	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/17/75-07/17/75	0	2	
LAVO0252	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/16/81-06/16/81	0	1	
LAVO0271	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/01/81-07/01/81	0	1	
LAVO0274	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/24/79-07/21/81	1	8	
LAVO0278	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/25/81-06/25/81	0	1	
LAVO0279	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/01/81-07/01/81	0	1	
LAVO0280	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/25/81-06/25/81	0	1	
LAVO0281	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/25/81-09/10/81	0	2	
LAVO0023	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/26/74-06/30/85	11	3	
LAVO0037	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/04/79-08/04/79	0	3	
LAVO0038	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/24/79-08/24/79	0	3	
LAVO0039	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/16/79-07/16/79	0	3	
LAVO0053	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/16/79-08/04/79	0	2	
LAVO0063	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/30/79-07/30/79	0	1	
LAVO0064	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/30/79-07/30/79	0	3	
LAVO0067	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-07/20/79	0	2	
LAVO0068	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-08/25/79	0	9	
LAVO0073	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/03/79-07/03/79	0	1	
LAVO0074	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/79-08/03/79	0	3	
LAVO0075	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-08/03/79	0	3	
LAVO0077	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/23/79-08/23/79	0	3	
LAVO0078	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/28/79-06/28/79	0	1	
LAVO0079	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/23/79-08/23/79	0	1	
LAVO0083	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/13/79-07/13/79	0	3	
LAVO0084	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/28/79-06/28/79	0	1	
LAVO0085	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/27/79-06/27/79	0	1	
LAVO0086	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/16/79-08/16/79	0	1	
LAVO0087	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/14/79-07/14/79	0	1	
LAVO0088	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/14/79-07/14/79	0	3	
LAVO0090	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/28/79-08/16/79	0	6	
LAVO0091	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/12/79-07/12/79	0	3	
LAVO0092	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/27/79-07/12/79	0	2	
LAVO0095	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/29/79-06/29/79	0	1	
LAVO0097	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/29/79-06/29/79	0	1	
LAVO0100	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/29/79-06/29/79	0	1	
LAVO0101	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/27/79-07/27/79	0	2	
LAVO0102	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/11/79-08/11/79	0	3	
LAVO0103	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/29/79-06/29/79	0	1	
LAVO0105	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/26/79-08/26/79	0	1	
LAVO0107	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/01/79-07/01/79	0	1	
LAVO0109	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/22/79-07/22/79	0	1	
LAVO0110	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/22/79-07/22/79	0	1	
LAVO0111	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/22/79-07/22/79	0	1	
LAVO0112	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-07/08/79	0	1	
LAVO0113	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-07/08/79	0	1	
LAVO0114	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-07/08/79	0	1	
LAVO0115	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/79-07/31/79	0	1	
LAVO0119	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/79-07/31/79	0	3	
LAVO0121	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/01/79-07/01/79	0	1	
LAVO0145	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/79-07/24/79	0	2	
LAVO0146	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/79-08/06/79	0	2	
LAVO0147	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/06/79-08/06/79	0	2	
LAVO0148	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/23/80-07/28/86	6	4	
LAVO0189	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/23/80-06/30/85	4	3	
LAVO0243	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/10/80-02/19/87	6	5	
LAVO0255	Yes	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/20/79-06/30/85	6	4	
LAVO0277	No	71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/12/79-02/19/87	7	6	
LAVO0001	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/23/85-10/23/85	0	1	
LAVO0002	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	
LAVO0004	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	
LAVO0028	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/17/85-10/17/85	0	1	
LAVO0089	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0096	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	
LAVO0122	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/05/64-09/05/64	0	1	
LAVO0124	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/24/64-08/24/64	0	1	
LAVO0131	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/05/64-09/06/64	0	2	
LAVO0133	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/06/64-09/06/64	0	1	
LAVO0134	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/06/64-09/06/64	0	1	
LAVO0135	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/06/64-09/06/64	0	1	
LAVO0143	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	
LAVO0157	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/05/64-09/05/64	0	1	
LAVO0173	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/28/56-07/28/56	0	1	
LAVO0176	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	
LAVO0218	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	0	1	
LAVO0221	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/24/64-07/24/64	0	1	
LAVO0257	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/22/86-08/31/86	0	9	
LAVO0259	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/22/86-08/31/86	0	9	
LAVO0263	Yes	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/12/88-10/25/88	0	43	
LAVO0274	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/79-07/21/81	1	8	
LAVO0257	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	06/22/86-08/31/86	0	12	
LAVO0259	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	06/22/86-08/31/86	0	12	
LAVO0263	Yes	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	07/12/88-10/17/88	0	33	
LAVO0274	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/24/79-07/21/81	1	7	
LAVO0120	Yes	71875	HYDROGEN SULFIDE (MG/L)	09/01/76-09/01/76	0	1	
LAVO0156	Yes	71875	HYDROGEN SULFIDE (MG/L)	09/15/76-09/15/76	0	1	
LAVO0159	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/31/79-07/31/79	0	3	
LAVO0162	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/31/79-07/31/79	0	1	
LAVO0163	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/31/79-07/31/79	0	1	
LAVO0192	Yes	71875	HYDROGEN SULFIDE (MG/L)	08/15/79-08/15/79	0	1	
LAVO0200	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/16/75-07/16/75	0	1	
LAVO0203	No	71875	HYDROGEN SULFIDE (MG/L)	08/15/79-08/15/79	0	1	
LAVO0209	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/16/75-07/16/75	0	1	
LAVO0212	No	71875	HYDROGEN SULFIDE (MG/L)	07/16/75-08/01/76	1	2	
LAVO0213	No	71875	HYDROGEN SULFIDE (MG/L)	08/15/79-08/15/79	0	1	
LAVO0216	Yes	71875	HYDROGEN SULFIDE (MG/L)	08/15/79-08/15/79	0	1	
LAVO0225	No	71875	HYDROGEN SULFIDE (MG/L)	08/01/76-09/03/76	0	2	
LAVO0227	No	71875	HYDROGEN SULFIDE (MG/L)	08/01/79-08/01/79	0	1	
LAVO0234	Yes	71875	HYDROGEN SULFIDE (MG/L)	09/02/76-08/01/79	2	2	
LAVO0235	Yes	71875	HYDROGEN SULFIDE (MG/L)	09/02/76-09/02/76	0	1	
LAVO0236	No	71875	HYDROGEN SULFIDE (MG/L)	09/03/76-09/03/76	0	1	
LAVO0238	Yes	71875	HYDROGEN SULFIDE (MG/L)	09/02/76-09/02/76	0	1	
LAVO0239	No	71875	HYDROGEN SULFIDE (MG/L)	07/16/75-07/16/75	0	1	
LAVO0240	Yes	71875	HYDROGEN SULFIDE (MG/L)	08/01/79-08/01/79	0	1	
LAVO0247	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/15/75-07/15/75	0	1	
LAVO0250	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/17/75-07/17/75	0	1	
LAVO0257	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/17/86-08/24/86	0	5	
LAVO0259	Yes	71875	HYDROGEN SULFIDE (MG/L)	07/17/86-08/24/86	0	5	
LAVO0001	No	71885	IRON (UG/L AS FE)	10/23/85-10/23/85	0	1	
LAVO0002	No	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0004	No	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0028	No	71885	IRON (UG/L AS FE)	10/17/85-10/17/85	0	1	
LAVO0089	Yes	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0143	Yes	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0176	Yes	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0218	Yes	71885	IRON (UG/L AS FE)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/17/81-06/17/81	0	1	
LAVO0043	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/23/81-09/10/81	0	2	
LAVO0071	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/18/81-06/18/81	0	1	
LAVO0076	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/29/81-09/10/81	0	2	
LAVO0080	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/23/81-06/23/81	0	1	
LAVO0108	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/23/81-06/23/81	0	1	
LAVO0158	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/18/81-06/18/81	0	1	
LAVO0166	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/30/81-09/09/81	0	2	
LAVO0172	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/24/81-09/11/81	0	2	
LAVO0175	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/24/81-06/24/81	0	1	
LAVO0177	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/24/81-06/24/81	0	1	
LAVO0180	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/30/81-09/09/81	0	2	
LAVO0181	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/30/81-06/30/81	0	1	
LAVO0190	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/24/81-09/09/81	0	2	
LAVO0198	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/22/81-09/08/81	0	2	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0208	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/16/81-06/16/81	0	1	
LAVO0244	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/23/81-09/09/81	0	2	
LAVO0249	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/02/81-07/02/81	0	1	
LAVO0252	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/30/81-06/30/81	0	1	
LAVO0254	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/01/81-07/01/81	0	1	
LAVO0266	Yes	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/16/81-06/16/81	0	1	
LAVO0271	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/01/81-07/01/81	0	1	
LAVO0274	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/24/79-07/21/81	1	8	
LAVO0278	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/25/81-06/25/81	0	1	
LAVO0279	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/01/81-07/01/81	0	1	
LAVO0280	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/25/81-06/25/81	0	1	
LAVO0281	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/25/81-09/10/81	0	2	
LAVO0020	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/17/81-06/17/81	0	1	
LAVO0043	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/23/81-06/23/81	0	1	
LAVO0071	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/18/81-06/18/81	0	1	
LAVO0076	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/29/81-06/29/81	0	1	
LAVO0080	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/23/81-06/23/81	0	1	
LAVO0108	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/23/81-06/23/81	0	1	
LAVO0158	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/18/81-06/18/81	0	1	
LAVO0166	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/30/81-06/30/81	0	1	
LAVO0172	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/24/81-06/24/81	0	1	
LAVO0175	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/24/81-06/24/81	0	1	
LAVO0177	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/24/81-06/24/81	0	1	
LAVO0180	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/30/81-09/09/81	0	2	
LAVO0181	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/30/81-06/30/81	0	1	
LAVO0190	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/24/81-06/24/81	0	1	
LAVO0198	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/22/81-09/08/81	0	2	
LAVO0208	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/16/81-06/16/81	0	1	
LAVO0244	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/23/81-06/23/81	0	1	
LAVO0249	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/02/81-07/02/81	0	1	
LAVO0252	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/30/81-06/30/81	0	1	
LAVO0254	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/01/81-07/01/81	0	1	
LAVO0266	Yes	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/16/81-06/16/81	0	1	
LAVO0271	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/01/81-07/01/81	0	1	
LAVO0274	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/24/79-07/21/81	1	8	
LAVO0278	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/25/81-06/25/81	0	1	
LAVO0279	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/01/81-07/01/81	0	1	
LAVO0280	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/25/81-06/25/81	0	1	
LAVO0281	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/25/81-06/25/81	0	1	
LAVO0274	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/17/80-07/21/81	1	4	
LAVO0001	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/23/85-10/23/85	0	1	
LAVO0002	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0004	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0005	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0028	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/17/85-10/17/85	0	1	
LAVO0089	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0096	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0118	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0143	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0176	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0218	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	0	1	
LAVO0261	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/05/86-03/06/90	4	93	T
LAVO0263	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	09/11/89-12/21/89	0	7	
LAVO0269	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/02/89-10/02/89	0	1	
LAVO0270	Yes	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/20/89-11/06/89	0	16	
LAVO0094	Yes	74073	FLOW LITERS/MIN	08/15/76-08/15/76	0	1	
LAVO0156	Yes	74073	FLOW LITERS/MIN	09/15/76-09/15/76	0	1	
LAVO0192	Yes	74073	FLOW LITERS/MIN	08/15/79-08/15/79	0	1	
LAVO0203	No	74073	FLOW LITERS/MIN	08/15/79-08/15/79	0	1	
LAVO0213	No	74073	FLOW LITERS/MIN	08/15/79-08/15/79	0	1	
LAVO0216	Yes	74073	FLOW LITERS/MIN	08/15/79-08/15/79	0	1	
LAVO0247	Yes	74073	FLOW LITERS/MIN	07/15/75-07/15/75	0	1	
LAVO0001	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/23/85-10/23/85	0	1	
LAVO0002	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	
LAVO0004	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	
LAVO0028	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/17/85-10/17/85	0	1	
LAVO0089	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	
LAVO0143	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	
LAVO0176	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0218	Yes	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	10/24/85-10/24/85	0	1	
LAVO0243	Yes	81551	XYLENE WHL WATER SMPL UG/L	10/31/86-10/31/86	0	1	
LAVO0007	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/27/60-06/27/60	0	2	
LAVO0008	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/27/60-06/30/60	0	4	
LAVO0009	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/26/60-06/26/60	0	2	
LAVO0010	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	0	2	
LAVO0011	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	0	2	
LAVO0012	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/26/60	0	4	
LAVO0013	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	0	2	
LAVO0014	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/23/60-06/23/60	0	2	
LAVO0016	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	0	2	
LAVO0017	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/23/60-06/27/60	0	4	
LAVO0018	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	0	2	
LAVO0019	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	0	2	
LAVO0021	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/26/60	0	4	
LAVO0022	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/26/60	0	4	
LAVO0024	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/26/60	0	4	
LAVO0025	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/15/60	0	2	
LAVO0026	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/15/60	0	2	
LAVO0027	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	0	2	
LAVO0030	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/15/60	0	2	
LAVO0031	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	0	2	
LAVO0032	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/17/60-06/17/60	0	2	
LAVO0033	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	0	2	
LAVO0036	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	0	2	
LAVO0040	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	0	2	
LAVO0044	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	0	2	
LAVO0045	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	0	2	
LAVO0046	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	0	2	
LAVO0049	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	0	2	
LAVO0050	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	0	2	
LAVO0052	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	0	2	
LAVO0054	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	0	2	
LAVO0056	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	0	2	
LAVO0057	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	0	2	
LAVO0058	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	08/17/60-09/08/60	0	4	
LAVO0059	Yes	81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	0	2	
LAVO0094	Yes	82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/76-08/15/76	0	1	
LAVO0156	Yes	82039	DISSOLVED-SODIUM UG/L (AS NA)	09/15/76-09/15/76	0	1	
LAVO0192	Yes	82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/79-08/15/79	0	1	
LAVO0203	No	82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/79-08/15/79	0	1	
LAVO0213	No	82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/79-08/15/79	0	1	
LAVO0216	Yes	82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/79-08/15/79	0	1	
LAVO0247	Yes	82039	DISSOLVED-SODIUM UG/L (AS NA)	07/15/75-07/15/75	0	1	
LAVO0104	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/31/79-07/31/79	0	1	
LAVO0151	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/16/75-07/16/75	0	1	
LAVO0159	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/31/79-07/31/79	0	2	
LAVO0169	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	09/01/76-09/01/76	0	1	
LAVO0170	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/17/75-07/17/75	0	1	
LAVO0197	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	08/01/79-08/01/79	0	1	
LAVO0200	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/16/75-07/16/75	0	1	
LAVO0209	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/16/75-07/16/75	0	1	
LAVO0217	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	08/01/79-08/01/79	0	1	
LAVO0235	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	09/02/76-09/02/76	0	1	
LAVO0250	Yes	82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/17/75-07/17/75	0	2	
LAVO0001	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/23/85-10/23/85	0	1	
LAVO0002	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0004	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0005	Yes	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0028	No	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/17/85-10/17/85	0	1	
LAVO0089	Yes	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0096	Yes	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0118	Yes	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0143	Yes	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0176	Yes	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0218	Yes	82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	0	1	
LAVO0020	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/17/81-06/17/81	0	1	
LAVO0043	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/23/81-06/23/81	0	1	
LAVO0071	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/18/81-06/18/81	0	1	
LAVO0076	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/29/81-06/29/81	0	1	
LAVO0080	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/23/81-06/23/81	0	1	
LAVO0108	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/23/81-06/23/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0158	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/18/81-06/18/81	0	1	
LAVO0166	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/30/81-06/30/81	0	1	
LAVO0172	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/24/81-06/24/81	0	1	
LAVO0175	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/24/81-06/24/81	0	1	
LAVO0177	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/24/81-06/24/81	0	1	
LAVO0180	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/30/81-06/30/81	0	1	
LAVO0181	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/30/81-06/30/81	0	1	
LAVO0190	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/24/81-06/24/81	0	1	
LAVO0198	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/22/81-06/22/81	0	1	
LAVO0208	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/16/81-06/16/81	0	1	
LAVO0244	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/23/81-06/23/81	0	1	
LAVO0249	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	07/02/81-07/02/81	0	1	
LAVO0252	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/30/81-06/30/81	0	1	
LAVO0254	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	07/01/81-07/01/81	0	1	
LAVO0266	Yes	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/16/81-06/16/81	0	1	
LAVO0271	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	07/01/81-07/01/81	0	1	
LAVO0274	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	04/16/81-07/21/81	0	2	
LAVO0278	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/25/81-06/25/81	0	1	
LAVO0279	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	07/01/81-07/01/81	0	1	
LAVO0280	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/25/81-06/25/81	0	1	
LAVO0281	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/25/81-06/25/81	0	1	
LAVO0001	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/23/85-10/23/85	0	1	
LAVO0002	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0004	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0005	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0028	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/17/85-10/17/85	0	1	
LAVO0089	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0096	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0118	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0143	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0176	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0218	Yes	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	0	1	
LAVO0156	Yes	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	09/15/76-09/15/76	0	1	
LAVO0192	Yes	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	08/15/79-08/15/79	0	1	
LAVO0203	No	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	08/15/79-08/15/79	0	1	
LAVO0212	No	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	07/16/75-08/01/76	1	2	
LAVO0213	No	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	08/15/79-08/15/79	0	1	
LAVO0225	No	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	08/01/76-09/03/76	0	2	
LAVO0227	No	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	09/03/76-08/01/79	2	2	
LAVO0230	No	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	07/16/75-07/16/75	0	1	
LAVO0236	No	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	09/03/76-09/03/76	0	1	
LAVO0239	No	82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	07/16/75-07/16/75	0	1	
LAVO0020	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/18/81-06/18/81	0	1	
LAVO0076	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/10/81-09/10/81	0	1	
LAVO0080	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/23/81-06/23/81	0	1	
LAVO0158	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/09/81-09/09/81	0	1	
LAVO0172	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/11/81-09/11/81	0	1	
LAVO0177	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/24/81-06/24/81	0	1	
LAVO0181	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/30/81-06/30/81	0	1	
LAVO0198	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/08/81-09/08/81	0	1	
LAVO0244	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	09/09/81-09/09/81	0	1	
LAVO0249	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/16/81-06/16/81	0	1	
LAVO0271	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/01/81-07/01/81	0	1	
LAVO0279	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	07/01/81-07/01/81	0	1	
LAVO0280	No	84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)	06/25/81-06/25/81	0	1	
LAVO0020	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/17/81-06/17/81	0	1	
LAVO0071	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/18/81-06/18/81	0	1	
LAVO0076	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/10/81-09/10/81	0	1	
LAVO0080	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/23/81-06/23/81	0	1	
LAVO0108	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/23/81-06/23/81	0	1	
LAVO0158	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/18/81-06/18/81	0	1	
LAVO0166	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/09/81-09/09/81	0	1	
LAVO0172	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/11/81-09/11/81	0	1	
LAVO0177	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/24/81-06/24/81	0	1	
LAVO0181	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/30/81-06/30/81	0	1	
LAVO0198	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/08/81-09/08/81	0	1	

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

Station/Parameter Period of Record Tabulation
From 01/01/01 To 08/17/94

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
LAVO0244	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	09/09/81-09/09/81	0	1	
LAVO0249	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/02/81-07/02/81	0	1	
LAVO0252	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/30/81-06/30/81	0	1	
LAVO0254	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/01/81-07/01/81	0	1	
LAVO0266	Yes	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/16/81-06/16/81	0	1	
LAVO0271	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/01/81-07/01/81	0	1	
LAVO0279	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	07/01/81-07/01/81	0	1	
LAVO0280	No	84001	AQUIFER NAME CODE (SEE USGS CATALOG)	06/25/81-06/25/81	0	1	
LAVO0273	No	85334	TEMPERATURE-DEG F, MINIMUM WATER	10/24/79-09/30/81	1	691	
LAVO0273	No	85335	TEMPERATURE- DEG F , MAXIMUM WATER	10/24/79-09/30/81	1	691	

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

Station-By-Station Results

Station Inventory for Station: LAVO0001

NPS Station ID: LAVO0001
LAT/LON: 40.453337/-121.193059
Agency: 12WLS1
Date Created: 09/03/88
Location: HIDDEN LAKES (EASTERN)
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A2-005
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020121
Depth of Water: 16
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/85-10/23/85	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/23/85-10/23/85	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/23/85-10/23/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/23/85-10/23/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/23/85-10/23/85	1	0.034	0.034	0.034	0.034	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/23/85-10/23/85	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/23/85-10/23/85	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/85-10/23/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/23/85-10/23/85	1	57.1	57.1	57.1	57.1	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/23/85-10/23/85	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/23/85-10/23/85	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/23/85-10/23/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/23/85-10/23/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/23/85-10/23/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/23/85-10/23/85	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/23/85-10/23/85	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/23/85-10/23/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/23/85-10/23/85	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/23/85-10/23/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/23/85-10/23/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/23/85-10/23/85	1	53.	53.	53.	53.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/23/85-10/23/85	1	0.017	0.017	0.017	0.017	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/23/85-10/23/85	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/23/85-10/23/85	1	9.	9.	9.	9.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/23/85-10/23/85	1	6874.19	6874.19	6874.19	6874.19	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/23/85-10/23/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/23/85-10/23/85	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: LAVO0001

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	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: LAVO0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0002

NPS Station ID: LAVO0002
LAT/LON: 40.506948/-121.210560
Agency: 12WLS1
Date Created: 09/03/88
Location: BLACK LAKE
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A2-002
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18080003
Depth of Water: 16
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18080003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.036	0.036	0.036	0.036	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	190.8	190.8	190.8	190.8	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	1.11	1.11	1.11	1.11	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	35.	35.	35.	35.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	27.	27.	27.	27.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	7042.29	7042.29	7042.29	7042.29	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	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: LAVO0002

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154 SULFATE (AS S) WHOLE WATER	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: LAVO0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0003

NPS Station ID: LAVO0003 | LAT/LON: 40.353615/-121.225282 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: LAST CHANCE CREEK NEAR CHESTER | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): A5371201 /5184425
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 4560 ;
STATION NAME: LAST CHANCE CREEK NEAR CHESTER ; DWR COUNTY CODE: 32; LATITUDE: 402113; LONGITUDE: 1211331;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 29N, RANGE 07, SECTION 20PBASE M;
USGS QUADRANGLE NUMBER: 624 6;4DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	1	11.3	11.3	11.3	11.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: LAVO0004

NPS Station ID: LAVO0004
LAT/LON: 40.475003/-121.240838
Agency: 12WLS1
Date Created: 09/03/88
Location: (NO NAME)
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A2-060
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020121
Depth of Water: 6
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.147	0.147	0.147	0.147	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	41.9	41.9	41.9	41.9	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	60.	60.	60.	60.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.022	0.022	0.022	0.022	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	23.	23.	23.	23.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	7274.43	7274.43	7274.43	7274.43	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0004

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	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: LAVO0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0005

NPS Station ID: LAVO0005
LAT/LON: 40.453337/-121.265004
Agency: 12WLS1
Date Created: 09/03/88
Location: GLEN LAKE
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A2-003
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 13
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.066	0.066	0.066	0.066	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	147.4	147.4	147.4	147.4	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	0.68	0.68	0.68	0.68	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	45.	45.	45.	45.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	41.	41.	41.	41.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.036	0.036	0.036	0.036	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	20.	20.	20.	20.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	6924.22	6924.22	6924.22	6924.22	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0005

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	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: LAVO0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0006

NPS Station ID: LAVO0006 | LAT/LON: 40.646392/-121.280837 | Agency: 21CAL-1 | Date Created: 05/03/80
Location: BUTTE C TRIB NR OLD STA | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): A1670000 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 5; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 5370 ;
STATION NAME: BUTTE C TRIB NR OLD STA ; DWR COUNTY CODE: 45; LATITUDE: 403847; LONGITUDE: 1211651;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 32N, RANGE 06, SECTION 11NBASE M;
USGS QUADRANGLE NUMBER: 643 6;3DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0006

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

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

Station Inventory for Station: LAVO0007

NPS Station ID: LAVO0007 | LAT/LON: 40.550281/-121.282253 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 18 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL18 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 18 has a depth of 3 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/27/60-06/27/60	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/27/60-06/27/60	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/27/60-06/27/60	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/27/60-06/27/60	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/60-06/27/60	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/27/60-06/27/60	2	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: LAVO0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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: LAVO0008

NPS Station ID: LAVO0008
LAT/LON: 40.553920/-121.284642
Agency: 11NPSWRD
Date Created: 06/13/98
Location: BUTTE LAKE STATION 19
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_BL19
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6049
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 19 has a depth of 15 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/27/60-06/30/60	4	64.5	65.	68.	63.	4.667	2.16	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/27/60-06/30/60	2	77.	77.	82.	72.	50.	7.071	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/27/60-06/30/60	2	8.7	8.7	8.8	8.6	0.02	0.141	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/27/60-06/27/60	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/27/60-06/27/60	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/60-06/27/60	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/30/60-06/30/60	1	11.	11.	11.	11.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/27/60-06/30/60	4	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: LAVO0008

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	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: LAVO0009

NPS Station ID: LAVO0009 | LAT/LON: 40.551142/-121.284642 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 17 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL17 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 17 has a depth of 6 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/26/60-06/26/60	2	68.	68.	68.	68.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/60-06/26/60	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/60-06/26/60	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/60-06/26/60	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/60-06/26/60	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/26/60-06/26/60	2	6.	6.	6.	6.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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: LAVO0010

NPS Station ID: LAVO0010 | LAT/LON: 40.561281/-121.286587 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 9 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL9 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 9 has a depth of 32 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	2	58.	58.	68.	48.	200.	14.142	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/16/60-06/16/60	1	74.	74.	74.	74.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	2	8.7	8.7	9.2	8.2	0.5	0.707	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	1	11.	11.	11.	11.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	2	32.	32.	32.	32.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0010

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0011

NPS Station ID: LAVO0011 | LAT/LON: 40.560448/-121.286560 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 10 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL10 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: | |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: | |
Minor Basin: SACRAMENTO RIVER | | ECO Region: | |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: |
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3: |

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 10 has a depth of 23 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	2	59.5	59.5	66.	53.	84.5	9.192	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	1	11.2	11.2	11.2	11.2	0.	0.	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	1	11.	11.	11.	11.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	2	23.	23.	23.	23.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0012

NPS Station ID: LAVO0012
LAT/LON: 40.562726/-121.287143
Agency: 11NPSWRD
Date Created: 06/13/98
Location: BUTTE LAKE STATION 5
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_BL5
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6049
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 5 has a depth of 38 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516. Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-09/17/60	46	59.	59.63	68.	48.	44.549	6.675	50.	54.75	67.25	68.
00300	OXYGEN, DISSOLVED MG/L	06/15/60-09/17/60	40	9.9	9.565	16.3	0.4	7.284	2.699	8.02	8.2	10.4	12.51
00405	CARBON DIOXIDE (MG/L AS CO2)	07/06/60-09/17/60	17 ##	0.	0.471	6.	0.	2.265	1.505	0.	0.	0.	2.8
00406	PH, FIELD, STANDARD UNITS SU	06/26/60-09/17/60	46	7.8	7.872	8.5	6.8	0.199	0.446	7.6	7.6	8.4	8.5
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/60-09/17/60	46	7.8	7.639	8.5	6.8	0.254	0.504	7.6	7.6	8.4	8.5
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/60-09/17/60	46	0.016	0.023	0.158	0.003	0.001	0.032	0.003	0.004	0.025	0.025
00411	ALKALINITY,METHYLORANGE MG/L	07/06/60-09/17/60	17	23.	26.647	35.	20.	48.493	6.964	20.	20.	34.5	35.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/06/60-09/17/60	17	3.	3.647	13.	0.	10.743	3.278	0.	2.	4.	10.6
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/15/60-06/15/60	1	11.	11.	11.	11.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/26/60	4	38.	38.	38.	38.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	40	2	0.05	11	2	0.18				29	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	46	0	0.00	11	0	0.00				35	0	0.00			
		Other-Lo Lim.	6.5	46	0	0.00	11	0	0.00				35	0	0.00			

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

Station Inventory for Station: LAVO0013

NPS Station ID: LAVO0013 | LAT/LON: 40.559003/-121.287310 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 13 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL13 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 13 has a depth of 13 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	2	66.	66.	67.	65.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	2	8.3	8.3	8.6	8.	0.18	0.424	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	1	11.	11.	11.	11.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	2	13.	13.	13.	13.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0013

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0014

NPS Station ID: LAVO0014 | LAT/LON: 40.563781/-121.287670 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 16 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL16 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 16 has a depth of 32 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/23/60-06/23/60	2	61.	61.	68.	54.	98.	9.899	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/23/60-06/23/60	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/60-06/23/60	2	9.	9.	9.8	8.2	1.28	1.131	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/23/60-06/23/60	1	13.	13.	13.	13.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/23/60-06/23/60	2	32.	32.	32.	32.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0014

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0015

NPS Station ID: LAVO0015 | LAT/LON: 40.513337/-121.287642 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: TEAL LAKE | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_TL |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: | |
Major Basin: CALIFORNIA | Elevation: 6474 | Water Body Id: | |
Minor Basin: SACRAMENTO RIVER | | ECO Region: | |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: |
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3: |

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Teal Lake is located in the northeastern part of the park. It is situated in a small glaciated basin. The lake has an outlet at the western end. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/07/60-07/07/60	6	68.	68.	68.	68.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/07/60-07/07/60	6	6.5	6.683	7.4	6.4	0.142	0.376	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/07/60-07/07/60	2	2.45	2.45	2.5	2.4	0.005	0.071	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/07/60-07/07/60	3	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/07/60-07/07/60	3	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/60-07/07/60	3	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	07/07/60-07/07/60	3	5.	5.	5.	5.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/07/60-07/07/60	3 ##	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0015

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00							6	0	0.00			
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			

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

Station Inventory for Station: LAVO0016

NPS Station ID: LAVO0016 | LAT/LON: 40.560142/-121.287727 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 11 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL11 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 11 has a depth of 14 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	2	66.	66.	68.	64.	8.	2.828	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/16/60-06/16/60	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	1	11.	11.	11.	11.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	2	14.	14.	14.	14.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0016

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0017

NPS Station ID: LAVO0017 | LAT/LON: 40.566977/-121.288449 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 15 | FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_PMH_BL15
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 15 has a depth of 20 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/23/60-06/27/60	3	56.	58.667	64.	56.	21.333	4.619	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/23/60-06/23/60	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/60-06/27/60	3	10.2	9.567	10.4	8.1	1.623	1.274	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/27/60-06/27/60	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/27/60-06/27/60	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/60-06/27/60	2	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/27/60-06/27/60	1	13.	13.	13.	13.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/23/60-06/27/60	4	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: LAVO0017

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	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: LAVO0018

NPS Station ID: LAVO0018 | LAT/LON: 40.558503/-121.289698 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 12 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL12 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 12 has a depth of 24 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/16/60	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	1	12.	12.	12.	12.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	2	24.	24.	24.	24.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0018

				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0019

NPS Station ID: LAVO0019
LAT/LON: 40.561088/-121.290060
Agency: 11NPSWRD
Date Created: 06/13/98
Location: BUTTE LAKE STATION 8
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_BL8
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6049
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 8 has a depth of 18 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/16/60	2	62.5	62.5	68.	57.	60.5	7.778	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/16/60	1	14.	14.	14.	14.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/16/60	2	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

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

Station Inventory for Station: LAVO0020

NPS Station ID: LAVO0020
LAT/LON: 40.565003/-121.291115
Agency: 112WRD
Date Created: 12/19/81
Location: BUTTE LK NR OLD STATION CA
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 403354121172800
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/17/81-06/17/81	16	12.5	11.194	17.	5.9	11.819	3.438	6.11	7.95	13.875	14.9
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/17/81-06/17/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/17/81-06/17/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/17/81-06/17/81	16	48.	48.375	53.	46.	2.783	1.668	46.7	48.	48.	51.6
00300	OXYGEN, DISSOLVED MG/L	06/17/81-06/17/81	4	8.6	8.7	9.4	8.2	0.253	0.503	**	**	**	**
00400	PH (STANDARD UNITS)	06/17/81-06/17/81	16	8.	7.95	8.1	7.1	0.061	0.248	7.52	8.	8.1	8.1
00400	CONVERTED PH (STANDARD UNITS)	06/17/81-06/17/81	16	8.	7.839	8.1	7.1	0.074	0.273	7.52	8.	8.1	8.1
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/81-06/17/81	16	0.01	0.014	0.079	0.008	0.	0.018	0.008	0.008	0.01	0.038
00403	PH, LAB, STANDARD UNITS SU	06/17/81-06/17/81	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/17/81-06/17/81	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/17/81-06/17/81	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/17/81-06/17/81	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/17/81-06/17/81	1	0.93	0.93	0.93	0.93	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/17/81-06/17/81	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/17/81-06/17/81	1	0.83	0.83	0.83	0.83	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/17/81-06/17/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/17/81-06/17/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/17/81-06/17/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/17/81-06/17/81	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/17/81-06/17/81	1	0.89	0.89	0.89	0.89	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/17/81-06/17/81	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/17/81-06/17/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/17/81-06/17/81	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/17/81-06/17/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/17/81-06/17/81	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/17/81-06/17/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/17/81-06/17/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/17/81-06/17/81	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/17/81-06/17/81	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/17/81-06/17/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/17/81-06/17/81	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/17/81-06/17/81	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/17/81-06/17/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/17/81-06/17/81	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/17/81-06/17/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/17/81-06/17/81	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/17/81-06/17/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/17/81-06/17/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	06/17/81-06/17/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/17/81-06/17/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/17/81-06/17/81	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/17/81-06/17/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/17/81-06/17/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/17/81-06/17/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/17/81-06/17/81	1	34.	34.	34.	34.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/17/81-06/17/81	1	35.	35.	35.	35.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/17/81-06/17/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/17/81-06/17/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/17/81-06/17/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/17/81-06/17/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/17/81-06/17/81	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/17/81-06/17/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00							4	0	0.00			
00400	PH	Fresh Chronic	9.	16	0	0.00							16	0	0.00			
		Other-Lo Lim.	6.5	16	0	0.00							16	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			
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.	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: LAVO0021

NPS Station ID: LAVO0021 | LAT/LON: 40.562142/-121.291837 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 6 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL6 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: | |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: | |
Minor Basin: SACRAMENTO RIVER | | ECO Region: | |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: |
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3: |

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 6 has a depth of 11 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/26/60	4	67.5	67.25	68.	66.	0.917	0.957	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/16/60-06/16/60	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/26/60	4	8.2	8.25	8.4	8.2	0.01	0.1	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/60-06/26/60	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/60-06/26/60	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/60-06/26/60	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/16/60-06/26/60	2	9.	9.	10.	8.	2.	1.414	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/26/60	4	10.5	10.5	11.	10.	0.333	0.577	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0021

				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00							4	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: LAVO0022

NPS Station ID: LAVO0022 | LAT/LON: 40.561476/-121.292170 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 7 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL7 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 7 has a depth of 10 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/16/60-06/26/60	4	68.	67.5	68.	66.	1.	1.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/60-06/26/60	3	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/60-06/26/60	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/60-06/26/60	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/60-06/26/60	2	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/16/60-06/26/60	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: LAVO0022

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			
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: LAVO0023

NPS Station ID: LAVO0023
LAT/LON: 40.565837/-121.292504
Agency: 21CAL-3
Date Created: 11/29/86
Location: 18-500 BUTTE LAKE
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/MUN/INTAKE/AMBNT/LAKE
STORET Station ID(s): A18/500-INTAKE
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
DIST 01 LASSEN VOLCANIC NATIONAL PARK

Parameter Inventory for Station: LAVO0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/80-06/30/85	2	144.5	144.5	225.	64.	12960.5	113.844	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/26/74-06/30/85	3	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/26/74-06/30/85	3	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/74-06/30/85	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/26/74-07/23/80	2	57.5	57.5	65.	50.	112.5	10.607	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/26/74-06/30/85	3	61.	53.333	65.	34.	284.333	16.862	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/23/80-06/30/85	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	06/26/74-06/26/74	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/80-06/30/85	2	28.5	28.5	36.	21.	112.5	10.607	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/26/74-06/30/85	3	6.4	6.8	10.	4.	9.12	3.02	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/26/74-06/30/85	3	3.	3.333	4.9	2.1	2.043	1.429	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/23/80-06/30/85	2	17.	17.	29.	5.	288.	16.971	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	06/26/74-06/30/85	3	0.91	0.937	1.4	0.5	0.203	0.451	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/26/74-06/30/85	3	2.	13.767	39.	0.3	478.263	21.869	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/26/74-06/30/85	3	0.9	1.133	2.	0.5	0.603	0.777	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	06/26/74-06/30/85	3	0.17	0.157	0.2	0.1	0.003	0.051	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/23/80-06/30/85	2 ##	0.02	0.02	0.025	0.015	0.	0.007	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/26/74-06/30/85	3	45.	63.667	131.	15.	3625.333	60.211	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/26/74-06/30/85	3 ##	0.15	0.243	0.5	0.08	0.051	0.225	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00							3	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	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			

& - 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: LAVO0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00							3	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0024

NPS Station ID: LAVO0024 | LAT/LON: 40.564615/-121.295087 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 4 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL4 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 4 has a depth of 17 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-06/15/60	2	63.	63.	66.	60.	18.	4.243	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/15/60-06/26/60	2	79.	79.	82.	76.	18.	4.243	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/15/60-06/26/60	4	8.2	8.575	10.2	7.7	1.229	1.109	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/26/60-06/26/60	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/60-06/26/60	2	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/60-06/26/60	2	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/15/60-06/26/60	2	11.5	11.5	13.	10.	4.5	2.121	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/26/60	4	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: LAVO0024

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00							4	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: LAVO0025

NPS Station ID: LAVO0025 | LAT/LON: 40.563337/-121.295838 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 3 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL3 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 3 has a depth of 24 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-06/15/60	2	60.	60.	66.	54.	72.	8.485	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/15/60-06/15/60	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/15/60-06/15/60	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/15/60	2	24.	24.	24.	24.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0025

				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0026

NPS Station ID: LAVO0026 | LAT/LON: 40.562948/-121.296976 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 2 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL2 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 2 has a depth of 14 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-06/15/60	2	65.	65.	68.	62.	18.	4.243	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/15/60-06/15/60	2	9.3	9.3	10.2	8.4	1.62	1.273	**	**	**	**
49701	TRANSPARENCY, SECCHI DISK, WATER FT	06/15/60-06/15/60	1	11.	11.	11.	11.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/15/60	2	14.	14.	14.	14.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0026

				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0027

NPS Station ID: LAVO0027
LAT/LON: 40.452059/-121.297226
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 17
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL17
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 17 is located along the eastern shore of the lake. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	2	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	2	2.05	2.05	2.1	2.	0.005	0.071	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/60-09/19/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	2	5.15	5.15	5.2	5.1	0.005	0.071	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	2	24.	24.	24.	24.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0028

NPS Station ID: LAVO0028
LAT/LON: 40.387504/-121.297782
Agency: 12WLS1
Date Created: 09/03/88
Location: BLUE LAKE
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A3-055
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020121
Depth of Water: 22
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/85-10/17/85	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/17/85-10/17/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/17/85-10/17/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/85-10/17/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/17/85-10/17/85	1	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/17/85-10/17/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/17/85-10/17/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/85-10/17/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/17/85-10/17/85	1	101.2	101.2	101.2	101.2	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/17/85-10/17/85	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/17/85-10/17/85	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/17/85-10/17/85	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/17/85-10/17/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/85-10/17/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/85-10/17/85	1	0.77	0.77	0.77	0.77	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/85-10/17/85	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/17/85-10/17/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/17/85-10/17/85	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/17/85-10/17/85	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/17/85-10/17/85	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/17/85-10/17/85	1	108.	108.	108.	108.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/17/85-10/17/85	1	0.083	0.083	0.083	0.083	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/17/85-10/17/85	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/17/85-10/17/85	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/17/85-10/17/85	1	5390.29	5390.29	5390.29	5390.29	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/17/85-10/17/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/17/85-10/17/85	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: LAVO0028

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	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: LAVO0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0029

NPS Station ID: LAVO0029 | LAT/LON: 40.448892/-121.298059 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: JUNIPER LK A CG NR CHESTER | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): A5L02691179 /5184419
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 6790 ;
STATION NAME: JUNIPER LK A CG NR CHESTER ; DWR COUNTY CODE: 32; LATITUDE: 402656; LONGITUDE: 1211753;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 30N, RANGE 06, SECTION 22CBASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	51.	51.	51.	51.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0030

NPS Station ID: LAVO0030 | LAT/LON: 40.563393/-121.298559 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 1 | FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_PMH_BL1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 1 has a depth of 10 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/15/60-06/15/60	2	68.5	68.5	69.	68.	0.5	0.707	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/15/60-06/15/60	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/15/60-06/15/60	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/15/60-06/15/60	2	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: LAVO0030

				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0031

NPS Station ID: LAVO0031
LAT/LON: 40.449587/-121.298921
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 16
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL16
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southeastern part of the lake. Water quality station 16 is located along the eastern shore of the lake. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	2	59.5	59.5	60.	59.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	2	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	2	2.1	2.1	2.2	2.	0.02	0.141	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/60-09/19/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	2	5.15	5.15	5.3	5.	0.045	0.212	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	2	33.	33.	33.	33.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0032

NPS Station ID: LAVO0032 | LAT/LON: 40.564060/-121.299616 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: BUTTE LAKE STATION 14 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_PMH_BL14 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6049 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Butte Lake is located in the northeastern part of the park. Butte Lake has two well-defined inlets both of which are intermittent in flow. Water quality station number 14 has a depth of 9 feet. Butte Creek flows out of the northeast corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/17/60-06/17/60	2	66.	66.	66.	66.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	06/17/60-06/17/60	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/17/60-06/17/60	2	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	06/17/60-06/17/60	2	9.	9.	9.	9.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0032

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0033

NPS Station ID: LAVO0033
LAT/LON: 40.448587/-121.302060
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 15
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL15
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southeastern part of the lake. Water quality station 15 is located along the eastern shore of the lake. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/19/60-09/19/60	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	2	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	2	2.25	2.25	2.4	2.1	0.045	0.212	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/60-09/19/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	2	5.3	5.3	5.4	5.2	0.02	0.141	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	2	14.	14.	14.	14.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0034

NPS Station ID: LAVO0034 | LAT/LON: 40.342504/-121.303892 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: WARNER CREEK AT HIGH BRIDGE | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): A5373801 /5184429
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121023 | RF1 Mile Point: 0.600 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 4850 ;
STATION NAME: WARNER CREEK AT HIGH BRIDGE ; DWR COUNTY CODE: 32; LATITUDE: 402033; LONGITUDE: 1211814;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 29N, RANGE 06, SECTION 27MBASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	115.	115.	115.	115.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: LAVO0035

NPS Station ID: LAVO0035
LAT/LON: 40.451892/-121.304227
Agency: 11NPSWRD
Date Created: 06/06/98
Location: JUNIPER LAKE STATION 19
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_EVER_JUN19
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6792
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part II of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Juniper Lake Lassen Volcanic National Park; June-August 1964." Juniper Lake is the largest body of water within the park boundaries. The lake basin is deep and irregular and may be the result of either glacial or volcanic activity. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/10/64-08/15/64	33	54.	54.727	64.	49.	28.455	5.334	49.	49.5	59.5	63.6
00300	OXYGEN, DISSOLVED MG/L	07/10/64-08/15/64	33	9.9	9.53	10.9	7.7	1.282	1.132	7.92	8.3	10.5	10.9
00400	PH (STANDARD UNITS)	07/10/64-08/15/64	33	6.9	6.9	6.9	6.9	0.	0.	6.9	6.9	6.9	6.9
00400	CONVERTED PH (STANDARD UNITS)	07/10/64-08/15/64	33	6.9	6.9	6.9	6.9	0.	0.	6.9	6.9	6.9	6.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/64-08/15/64	33	0.126	0.126	0.126	0.126	0.	0.	0.126	0.126	0.126	0.126
00411	ALKALINITY,METHYLORANGE MG/L	07/10/64-08/15/64	5	7.5	7.5	7.5	7.5	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: LAVO0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	33	0	0.00	11	0	0.00				22	0	0.00			
00400	PH	Fresh Chronic	9.	33	0	0.00	11	0	0.00				22	0	0.00			
		Other-Lo Lim.	6.5	33	0	0.00	11	0	0.00				22	0	0.00			

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

Station Inventory for Station: LAVO0036

NPS Station ID: LAVO0036
LAT/LON: 40.465670/-121.307310
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 1
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the northwestern part of the lake. Water quality station 1 is located at the northern tip of the lake off the western shore. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063 Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service WRD; 1201 Oak Ridge Dr.; Ft Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/60-09/15/60	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/60-09/15/60	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	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

EPA Water Quality Criteria Analysis for Station: LAVO0036

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	2	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: LAVO0037

NPS Station ID: LAVO0037
LAT/LON: 40.513366/-121.308588
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Snag Lake 1b
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_SNG1B
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6076
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the center of Snag Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/79-08/04/79	3	22.	22.333	24.	21.	2.333	1.528	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/04/79-08/04/79	1	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/04/79-08/04/79	3	7.8	7.833	8.4	7.3	0.303	0.551	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/04/79-08/04/79	3	1.5	1.333	1.5	1.	0.083	0.289	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/04/79-08/04/79	3	7.5	7.833	8.5	7.5	0.333	0.577	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/04/79-08/04/79	3	7.5	7.655	8.5	7.5	0.381	0.617	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/04/79-08/04/79	3	0.032	0.022	0.032	0.003	0.	0.016	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/04/79-08/04/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/04/79-08/04/79	3	12.	12.	12.	12.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/04/79-08/04/79	3	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/04/79-08/04/79	3	8.	8.	8.	8.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/04/79-08/04/79	3	7.	7.333	8.	7.	0.333	0.577	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/04/79-08/04/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			

& - 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: LAVO0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a 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			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0038

NPS Station ID: LAVO0038
LAT/LON: 40.513366/-121.308588
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Snag Lake 1c
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_SNG1C
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6076
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the center of Snag Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	3	17.	16.833	17.	16.5	0.083	0.289	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/24/79-08/24/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/24/79-08/24/79	3	7.6	7.733	8.	7.6	0.053	0.231	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/24/79-08/24/79	3	1.5	1.333	1.5	1.	0.083	0.289	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/24/79-08/24/79	3	7.	7.167	7.5	7.	0.083	0.289	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/24/79-08/24/79	3	7.	7.112	7.5	7.	0.088	0.296	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	3	0.1	0.077	0.1	0.032	0.002	0.039	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/24/79-08/24/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/79-08/24/79	3	14.	14.667	16.	14.	1.333	1.155	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/24/79-08/24/79	3	6.	6.	6.	6.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/24/79-08/24/79	3	8.	8.667	10.	8.	1.333	1.155	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/24/79-08/24/79	3	7.	7.	7.	7.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/24/79-08/24/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	3	0	0.00									

& - 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: LAVO0038

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a 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									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0039

NPS Station ID: LAVO0039
LAT/LON: 40.513366/-121.308588
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Snag Lake 1a
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_SNG1A
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6076
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the center of Snag Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/79-07/16/79	3	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/16/79-07/16/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/16/79-07/16/79	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/16/79-07/16/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/16/79-07/16/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/79-07/16/79	3	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/16/79-07/16/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/16/79-07/16/79	3	16.	14.	16.	10.	12.	3.464	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/16/79-07/16/79	3	4.	3.333	4.	2.	1.333	1.155	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/16/79-07/16/79	3	12.	10.667	12.	8.	5.333	2.309	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/16/79-07/16/79	3	8.	7.667	8.	7.	0.333	0.577	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/16/79-07/16/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0039

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
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.	3	0	0.00							3	0	0.00			
	Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			

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

EPA Water Quality Criteria Analysis for Station: LAVO0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0040

NPS Station ID: LAVO0040
LAT/LON: 40.462670/-121.309142
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 2
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the northwestern part of the lake. Water quality station 2 is located near the center of the lake off the western shore. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063 Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	2	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/60-09/15/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/60-09/15/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	2	7.05	7.05	7.1	7.	0.005	0.071	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	2	9.	9.	9.	9.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0041

NPS Station ID: LAVO0041 | LAT/LON: 40.339448/-121.308893 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: FEATHER R NF AT RICE C CAMPGROUND | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): A5377501 /5184431
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121023 | RF1 Mile Point: 0.450 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 4830 ;
STATION NAME: FEATHER R NF AT RICE C CAMPGROUND; DWR COUNTY CODE: 32; LATITUDE: 402022; LONGITUDE: 1211832;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 29N, RANGE 06, SECTION 28RBASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	200.	200.	200.	200.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: LAVO0042

NPS Station ID: LAVO0042 | LAT/LON: 40.522338/-121.309170 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: SNAG LAKE STATION 13 | | FIPS State/County: 06035 CALIFORNIA/LASSEN |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_EVER_SL13 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6076 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Snag Lake is located in the eastern part of Lassen Volcanic National Park. It has a maximum depth of 27 feet. It lies in a glaciated basin that has been dammed off at the north end by a lava flow. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/09/63-08/26/63	15	67.	66.2	69.	63.	5.171	2.274	63.	63.	68.	68.4
00300	OXYGEN, DISSOLVED MG/L	08/09/63-08/26/63	15	7.8	7.74	7.8	7.5	0.015	0.124	7.5	7.8	7.8	7.8
00400	PH (STANDARD UNITS)	08/09/63-08/26/63	15	8.1	8.053	8.4	7.7	0.054	0.233	7.7	7.9	8.3	8.34
00400	CONVERTED PH (STANDARD UNITS)	08/09/63-08/26/63	15	8.1	7.994	8.4	7.7	0.058	0.241	7.7	7.9	8.3	8.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/09/63-08/26/63	15	0.008	0.01	0.02	0.004	0.	0.006	0.005	0.005	0.013	0.02
00411	ALKALINITY,METHYLORANGE MG/L	08/09/63-08/26/63	3	26.	26.	26.	26.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/09/63-08/26/63	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	10	0	0.00				5	0	0.00			
00400	PH	Fresh Chronic	9.	15	0	0.00	10	0	0.00				5	0	0.00			
		Other-Lo Lim.	6.5	15	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: LAVO0043

NPS Station ID: LAVO0043 LAT/LON: 40.388615/-121.309726 Agency: 112WRD Date Created: 12/19/81
Location: WARNER C AT WARNER VALLEY RD NR CHESTER CA FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 402319121183500
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/81-09/10/81	2	11.75	11.75	12.	11.5	0.125	0.354	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/23/81-06/23/81	1	637.	637.	637.	637.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/81-09/10/81	2	47.	47.	59.	35.	288.	16.971	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/81-09/10/81	2	1.	1.	1.1	0.9	0.02	0.141	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/81-09/10/81	2	79.	79.	86.	72.	98.	9.899	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/81-09/10/81	2	8.75	8.75	8.9	8.6	0.045	0.212	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/81-09/10/81	2	7.15	7.15	7.4	6.9	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/23/81-09/10/81	2	7.082	7.082	7.4	6.9	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/81-09/10/81	2	0.083	0.083	0.126	0.04	0.004	0.061	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/23/81-09/10/81	2	7.5	7.5	7.6	7.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/23/81-09/10/81	2	7.489	7.489	7.6	7.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/81-09/10/81	2	0.032	0.032	0.04	0.025	0.	0.01	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/81-09/10/81	2	36.	36.	37.	35.	2.	1.414	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/23/81-09/10/81	2	0.46	0.46	0.49	0.43	0.002	0.042	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/23/81-09/10/81	2	0.385	0.385	0.43	0.34	0.004	0.064	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/23/81-09/10/81	2	0.065	0.065	0.08	0.05	0.	0.021	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/81-09/10/81	2 ##	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/23/81-09/10/81	2	0.45	0.45	0.48	0.42	0.002	0.042	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/23/81-09/10/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/81-09/10/81	2	0.415	0.415	0.42	0.41	0.	0.007	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/81-09/10/81	2 ##	0.028	0.028	0.045	0.01	0.001	0.025	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/23/81-09/10/81	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/81-09/10/81	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/81-09/10/81	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/23/81-09/10/81	2	0.85	0.85	1.2	0.5	0.245	0.495	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/81-09/10/81	2	28.	28.	30.	26.	8.	2.828	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/23/81-09/10/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/81-09/10/81	2	6.45	6.45	6.9	6.	0.405	0.636	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/81-09/10/81	2	2.95	2.95	3.2	2.7	0.125	0.354	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/23/81-09/10/81	2	4.5	4.5	4.8	4.2	0.18	0.424	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/23/81-09/10/81	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/23/81-09/10/81	2	24.	24.	24.	24.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/23/81-09/10/81	2	2.15	2.15	2.4	1.9	0.125	0.354	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/81-09/10/81	2	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/81-09/10/81	2 ##	1.45	1.45	2.5	0.4	2.205	1.485	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/23/81-09/10/81	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**

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

Parameter Inventory for Station: LAVO0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/23/81-09/10/81	2	38.	38.	40.	36.	8.	2.828	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/23/81-09/10/81	2	80.	80.	85.	75.	50.	7.071	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/23/81-09/10/81	2	80.5	80.5	87.	74.	84.5	9.192	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/23/81-09/10/81	2	9.965	9.965	11.9	8.03	7.488	2.737	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/23/81-09/10/81	2	0.11	0.11	0.12	0.1	0.	0.014	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/23/81-09/10/81	2	0.08	0.08	0.1	0.06	0.001	0.028	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/23/81-09/10/81	2	0.105	0.105	0.12	0.09	0.	0.021	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/23/81-06/23/81	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/23/81-06/23/81	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0043

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
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			
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			

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

Station Inventory for Station: LAVO0044

NPS Station ID: LAVO0044
LAT/LON: 40.455837/-121.310088
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 4
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southeastern part of the lake. Water quality station 4 is located near the center of the lake off the western shore. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063 Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/19/60-09/19/60	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	2	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	2	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/60-09/19/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	2	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	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

EPA Water Quality Criteria Analysis for Station: LAVO0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0045

NPS Station ID: LAVO0045
LAT/LON: 40.448032/-121.310116
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 13
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL13
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 13 is located along the southern shore of the lake. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/19/60-09/19/60	18	53.5	53.556	59.	46.	19.908	4.462	46.	50.	58.	59.
00300	OXYGEN, DISSOLVED MG/L	08/19/60-09/19/60	14	11.	10.35	11.6	8.6	1.272	1.128	8.6	9.225	11.2	11.6
00405	CARBON DIOXIDE (MG/L AS CO2)	08/19/60-09/19/60	12	2.4	2.383	3.	1.5	0.262	0.511	1.56	2.	2.8	3.
00406	PH, FIELD, STANDARD UNITS SU	08/19/60-09/19/60	14	6.7	6.764	6.9	6.7	0.007	0.084	6.7	6.7	6.825	6.9
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/19/60-09/19/60	14	6.7	6.757	6.9	6.7	0.007	0.085	6.7	6.7	6.825	6.9
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/60-09/19/60	14	0.2	0.175	0.2	0.126	0.001	0.031	0.126	0.15	0.2	0.2
00411	ALKALINITY,METHYLORANGE MG/L	08/19/60-09/19/60	12	6.5	6.45	8.7	4.7	1.145	1.07	4.7	6.125	6.675	8.34
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/19/60-09/19/60	12 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
49701	TRANSPARENCY, SECCHI DISK, WATER FT	09/19/60-09/19/60	1	66.	66.	66.	66.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	2	112.	112.	112.	112.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	0	0.00	14	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	14	0	0.00	14	0	0.00									
		Other-Lo Lim.	6.5	14	0	0.00	14	0	0.00									

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

Station Inventory for Station: LAVO0046

NPS Station ID: LAVO0046
LAT/LON: 40.458365/-121.310587
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 3
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southeastern part of the lake. Water quality station 3 is located along the eastern shore of the lake. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0046

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/60-09/15/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/60-09/15/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	2	13.	13.	13.	13.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0046

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0047

NPS Station ID: LAVO0047
LAT/LON: 40.503087/-121.311143
Agency: 11NPSWRD
Date Created: 06/06/98
Location: GRASSY CREEK STATION 7
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_EVER_GC7
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6080
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Grassy Creek exits from the northeast side of Horseshoe Lake; flows to the north; and terminates in Snag Lake. The stream drops about 490 feet along the course of its three mile flow. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/08/63-08/31/63	3	50.	50.333	52.	49.	2.333	1.528	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/03/63-08/31/63	3	6.	7.333	11.	5.	10.333	3.215	**	**	**	**

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

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

Station Inventory for Station: LAVO0048

NPS Station ID: LAVO0048
LAT/LON: 40.498837/-121.312449
Agency: 11NPSWRD
Date Created: 06/06/98
Location: GRASSY CREEK STATION 6
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_EVER_GC6
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6120
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Grassy Creek exits from the northeast side of Horseshoe Lake; flows to the north; and terminates in Snag Lake. The stream drops about 490 feet along the course of its three mile flow. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/08/63-08/31/63	3	53.	53.333	55.	52.	2.333	1.528	**	**	**	**

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

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

Station Inventory for Station: LAVO0049

NPS Station ID: LAVO0049
LAT/LON: 40.454281/-121.313503
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 5
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL5
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 5 is located along the western shore of the lake. The outlet is located at the southernmost tip of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	2	59.5	59.5	61.	58.	4.5	2.121	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	2	6.85	6.85	6.9	6.8	0.005	0.071	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/60-09/15/60	2	6.847	6.847	6.9	6.8	0.005	0.071	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/60-09/15/60	2	0.142	0.142	0.158	0.126	0.001	0.023	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	2	48.	48.	48.	48.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0050

NPS Station ID: LAVO0050
LAT/LON: 40.447392/-121.313670
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 12
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL12
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 12 is located along the southern shore of the lake. The outlet is located at at the southernmost tip of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/60-09/15/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/60-09/15/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	2	14.	14.	14.	14.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0050

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0051

NPS Station ID: LAVO0051
LAT/LON: 40.489392/-121.314503
Agency: 11NPSWRD
Date Created: 06/06/98
Location: GRASSY CREEK STATION 5
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_EVER_GC5
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6280
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Grassy Creek exits from the northeast side of Horseshoe Lake; flows to the north; and terminates in Snag Lake. The stream drops about 490 feet along the course of its three mile flow. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/08/63-08/31/63	3	54.	54.333	56.	53.	2.333	1.528	**	**	**	**

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

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

Station Inventory for Station: LAVO0052

NPS Station ID: LAVO0052
LAT/LON: 40.443670/-121.315421
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 11
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL11
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 11 is located along the shore in the southwestern corner of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063 Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0052

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	2	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	2	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/60-09/19/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/60-09/19/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	2	5.15	5.15	5.4	4.9	0.125	0.354	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	2	6.	6.	6.	6.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0052

Parameter				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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	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: LAVO0053

NPS Station ID: LAVO0053 | LAT/LON: 40.506531/-121.315560 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Snag Lake West Shore | FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_SNGWS
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6076 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the west shore of Snag Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/79-08/04/79	2	21.25	21.25	22.	20.5	1.125	1.061	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/04/79-08/04/79	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/16/79-08/04/79	2	2.25	2.25	3.	1.5	1.125	1.061	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/16/79-08/04/79	2	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/16/79-08/04/79	2	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/79-08/04/79	2	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/16/79-08/04/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/16/79-08/04/79	2	18.	18.	18.	18.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/16/79-08/04/79	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/16/79-08/04/79	2	14.	14.	14.	14.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/16/79-08/04/79	2	8.	8.	9.	7.	2.	1.414	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/16/79-08/04/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0054

NPS Station ID: LAVO0054
LAT/LON: 40.452115/-121.316060
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 6
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL6
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 6 is is located along the western shore of the lake. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/19/60-09/19/60	2	59.	59.	60.	58.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/19/60-09/19/60	2	8.55	8.55	8.6	8.5	0.005	0.071	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/19/60-09/19/60	2	2.15	2.15	2.3	2.	0.045	0.212	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/19/60-09/19/60	2	6.85	6.85	6.9	6.8	0.005	0.071	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/19/60-09/19/60	2	6.847	6.847	6.9	6.8	0.005	0.071	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/19/60-09/19/60	2	0.142	0.142	0.158	0.126	0.001	0.023	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/19/60-09/19/60	2	4.95	4.95	5.	4.9	0.005	0.071	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/19/60-09/19/60	2 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/19/60-09/19/60	2	43.	43.	43.	43.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0054

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0055

NPS Station ID: LAVO0055
LAT/LON: 40.484226/-121.316699
Agency: 11NPSWRD
Date Created: 06/06/98
Location: GRASSY CREEK STATION 4
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_EVER_GC4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6440
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Grassy Creek exits from the northeast side of Horseshoe Lake; flows to the north; and terminates in Snag Lake. The stream drops about 490 feet along the course of its three mile flow. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/22/63-08/31/63	4	56.	56.5	59.	55.	3.	1.732	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0056

NPS Station ID: LAVO0056
LAT/LON: 40.446392/-121.318866
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 10
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL10
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 10 is located along the shore in the southwestern portion of the lake. The outlet is located at the southernmost tip of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0056

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	2	8.4	8.4	8.5	8.3	0.02	0.141	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/60-09/15/60	2	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/60-09/15/60	2	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	2	13.	13.	13.	13.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0056

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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: LAVO0057

NPS Station ID: LAVO0057
LAT/LON: 40.450726/-121.319531
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 8
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL8
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 8 is located along the western shore of the lake. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0057

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	2	8.55	8.55	8.6	8.5	0.005	0.071	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/60-09/15/60	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/60-09/15/60	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/15/60-09/15/60	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	2	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: LAVO0057

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	2	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: LAVO0058

NPS Station ID: LAVO0058
LAT/LON: 40.449366/-121.320032
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 9
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL9
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 9 is located along the shore in the southwestern corner of the lake. There are a number of small inlets flowing from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063 Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; WRD; 1201 Oak Ridge Drive; Ft Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/17/60-09/08/60	42	57.5	55.905	63.	47.	21.405	4.627	50.	51.75	60.	62.
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	08/17/60-09/08/60	2	83.5	83.5	86.	81.	12.5	3.536	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/17/60-09/08/60	22	9.8	9.705	10.8	8.4	0.717	0.847	8.5	8.8	10.4	10.74
00405	CARBON DIOXIDE (MG/L AS CO2)	08/17/60-09/08/60	9	1.8	2.056	3.8	1.5	0.515	0.718	1.5	1.65	2.25	3.8
00406	PH, FIELD, STANDARD UNITS SU	08/17/60-09/08/60	25	6.8	6.796	6.9	6.7	0.009	0.093	6.7	6.7	6.9	6.9
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/17/60-09/08/60	25	6.8	6.786	6.9	6.7	0.009	0.094	6.7	6.7	6.9	6.9
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/60-09/08/60	25	0.158	0.164	0.2	0.126	0.001	0.034	0.126	0.126	0.2	0.2
00411	ALKALINITY,METHYLORANGE MG/L	08/17/60-09/08/60	9	8.2	8.367	8.8	8.	0.073	0.269	8.	8.2	8.6	8.8
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/17/60-09/08/60	9 ##	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
49701	TRANSPARENCY, SECCHI DISK, WATER FT	08/17/60-09/08/60	2	81.	81.	85.	77.	32.	5.657	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	08/17/60-09/08/60	4	114.	114.	114.	114.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0058

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	22	0	0.00	22	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	25	0	0.00	25	0	0.00									
		Other-Lo Lim.	6.5	25	0	0.00	25	0	0.00									

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

Station Inventory for Station: LAVO0059

NPS Station ID: LAVO0059
LAT/LON: 40.452198/-121.320420
Agency: 11NPSWRD
Date Created: 06/13/98
Location: JUNIPER LAKE STATION 7
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_JL7
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6745
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Juniper Lake is the largest lake within the park boundaries. Juniper Lake has a maximum depth of 234 feet located in the southwestern part of the lake. Water quality station 7 is located along the western shore of the lake. There are a number of small inlets flowing in from the north; east; and west sides of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources; Division; 1201 Oak Ridge Dr.; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0059

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	09/15/60-09/15/60	2	60.	60.	60.	60.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	09/15/60-09/15/60	1	70.	70.	70.	70.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/15/60-09/15/60	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	09/15/60-09/15/60	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/60-09/15/60	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/60-09/15/60	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/60-09/15/60	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	09/15/60-09/15/60	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
81903	DEPTH OF BOTTOM OF WATER BODY @ SAMPLE SITE, FEET	09/15/60-09/15/60	2	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: LAVO0059

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	2	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: LAVO0060

NPS Station ID: LAVO0060
LAT/LON: 40.482753/-121.322838
Agency: 11NPSWRD
Date Created: 06/06/98
Location: GRASSY CREEK STATION 3
FIPS State/County: 06035 CALIFORNIA/LASSEN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_EVER_GC3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6480
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Grassy Creek exits from the northeast side of Horseshoe Lake; flows to the north; and terminates in Snag Lake. The stream drops about 490 feet along the course of its three mile flow. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/22/63-08/31/63	4	58.	58.25	61.	56.	4.25	2.062	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/17/63-08/31/63	4	9.5	10.5	18.	5.	33.667	5.802	**	**	**	**

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

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

Station Inventory for Station: LAVO0061

NPS Station ID: LAVO0061 | LAT/LON: 40.349170/-121.325005 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: WILLOW C A FEATHER R HOMESITES | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): A5377801 /5184432
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121024 | RF1 Mile Point: 1.080 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 4960 ;
STATION NAME: WILLOW C A FEATHER R HOMESITES ; DWR COUNTY CODE: 32; LATITUDE: 402057; LONGITUDE: 1211930;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 29N, RANGE 06, SECTION 29ABASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0061

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: LAVO0062

NPS Station ID: LAVO0062
LAT/LON: 40.477198/-121.325810
Agency: 11NPSWRD
Date Created: 06/06/98
Location: GRASSY CREEK STATION 2
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_EVER_GC2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6520
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Grassy Creek exits from the northeast side of Horseshoe Lake; flows to the north; and terminates in Snag Lake. The stream drops about 490 feet along the course of its three mile flow. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0062

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011 TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/22/63-08/31/63	4	58.5	59.	62.	57.	4.667	2.16	**	**	**	**

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

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

Station Inventory for Station: LAVO0063

NPS Station ID: LAVO0063
LAT/LON: 40.490031/-121.328642
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Hidden Lake SE Shore
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_HDNLS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6720
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the southeastern shore of Hidden Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/79-07/30/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/30/79-07/30/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/30/79-07/30/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/30/79-07/30/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/30/79-07/30/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/79-07/30/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/30/79-07/30/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/79-07/30/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/79-07/30/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/79-07/30/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/30/79-07/30/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/30/79-07/30/79	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: LAVO0063

Parameter				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0064

NPS Station ID: LAVO0064
LAT/LON: 40.490531/-121.329142
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Hidden Lake South End
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_HDNL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6720
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the southern end of Hidden Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250 Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0064

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/30/79-07/30/79	3	21.	21.	21.5	20.5	0.25	0.5	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/30/79-07/30/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/30/79-07/30/79	3	6.8	7.167	8.	6.7	0.523	0.723	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/30/79-07/30/79	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/30/79-07/30/79	3	5.5	5.5	6.	5.	0.25	0.5	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/30/79-07/30/79	3	5.5	5.326	6.	5.	0.295	0.544	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/30/79-07/30/79	3	3.162	4.721	10.	1.	22.072	4.698	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/30/79-07/30/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/30/79-07/30/79	3	10.	11.333	14.	10.	5.333	2.309	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/30/79-07/30/79	3	0.	1.333	4.	0.	5.333	2.309	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/30/79-07/30/79	3	10.	11.333	14.	10.	5.333	2.309	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/30/79-07/30/79	3	0.5	0.417	0.5	0.25	0.021	0.144	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/30/79-07/30/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0064

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			

& - 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: LAVO0064

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0065

NPS Station ID: LAVO0065
LAT/LON: 40.472892/-121.329643
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Grassy Creek Discharge Near Bridge
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_NPS_GC-1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6545
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mount Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located at the upstream edge of the bridge on Grassy Creek. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/15/89-06/15/89	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/15/89-06/15/89	1	16.5	16.5	16.5	16.5	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	06/15/89-06/15/89	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/15/89-06/15/89	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	06/15/89-06/15/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/15/89-06/15/89	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/15/89-06/15/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/15/89-06/15/89	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/15/89-06/15/89	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0065

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a 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: LAVO0066

NPS Station ID: LAVO0066
LAT/LON: 40.472948/-121.330809
Agency: 11NPSWRD
Date Created: 06/06/98
Location: GRASSY CREEK STATION 1
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_EVER_GC1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6540
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Grassy Creek exits from the northeast side of Horseshoe Lake; flows to the north; and terminates in Snag Lake. The stream drops about 490 feet along the course of its three mile flow. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0066

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/22/63-08/31/63	4	62.5	62.5	66.	59.	8.333	2.887	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/22/63-08/31/63	2	3.5	3.5	4.	3.	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

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

Station Inventory for Station: LAVO0067

NPS Station ID: LAVO0067
LAT/LON: 40.472948/-121.331254
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Horseshoe Lake Shore Outlet
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_HSLS2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6550
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the shore in the northeastern portion of the lake near the outlet. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0067

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-07/20/79	2	20.25	20.25	20.5	20.	0.125	0.354	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/79-07/20/79	2	7.6	7.6	8.	7.2	0.32	0.566	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-07/20/79	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/08/79-07/20/79	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/79-07/20/79	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/79-07/20/79	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-07/20/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-07/20/79	2	20.	20.	26.	14.	72.	8.485	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-07/20/79	2	6.	6.	6.	6.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-07/20/79	2	14.	14.	20.	8.	72.	8.485	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-07/20/79	2	8.5	8.5	10.	7.	4.5	2.121	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-07/20/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0067

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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	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: LAVO0067

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0068

NPS Station ID: LAVO0068
LAT/LON: 40.471727/-121.333171
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Eastern Horseshoe Lake at Trench Area
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_HSL2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6550
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located in the eastern portion of the lake in the trench area. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0068

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-08/25/79	9	17.	17.589	20.	14.8	3.746	1.935	14.8	16.	19.5	20.
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/08/79-08/25/79	3	2.	1.917	2.5	1.25	0.396	0.629	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/20/79-08/25/79	6	7.25	7.	8.	5.3	0.956	0.978	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-08/25/79	9	2.5	13.222	82.	1.5	700.132	26.46	1.5	1.5	12.5	82.
00406	PH, FIELD, STANDARD UNITS SU	07/08/79-08/25/79	9	7.	7.222	8.5	6.5	0.569	0.755	6.5	6.75	7.75	8.5
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/79-08/25/79	9	7.	6.898	8.5	6.5	0.688	0.829	6.5	6.75	7.75	8.5
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/79-08/25/79	9	0.1	0.127	0.316	0.003	0.013	0.115	0.003	0.052	0.208	0.316
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-08/25/79	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-08/25/79	9	16.	15.778	24.	12.	11.444	3.383	12.	14.	16.	24.
00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-08/25/79	9	6.	6.333	8.	2.	3.5	1.871	2.	6.	8.	8.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-08/25/79	9	9.	9.444	16.	6.	7.778	2.789	6.	8.	10.	16.
00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-08/25/79	9	8.	7.889	10.	7.	1.111	1.054	7.	7.	8.5	10.
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-08/25/79	9	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 time series plot

EPA Water Quality Criteria Analysis for Station: LAVO0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0068

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	9	0	0.00	3	0	0.00				6	0	0.00			
		Other-Lo Lim.	6.5	9	2	0.22	3	1	0.33				6	1	0.17			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	9	0	0.00	3	0	0.00				6	0	0.00			

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

Station Inventory for Station: LAVO0069

NPS Station ID: LAVO0069 | LAT/LON: 40.471087/-121.333726 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: HORSESHOE LAKE STATION 15 | | FIPS State/County: 06089 CALIFORNIA/SHASTA |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_EVER_HSL15 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6550 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness 7.5 minute U.S. Geological Survey topographic quadrangle. Data were collected by Fred H. Everest as Part I of a project by Humboldt State University. The water quality data are part of a report called "A Survey of Horseshoe and Snag Lakes and Their Tributaries; Lassen Volcanic National Park; June-September 1963." Horseshoe Lake is located in the southeastern quarter of Lassen Volcanic National Park. The maximum depth of 76 feet is found in the southeastern portion of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0069

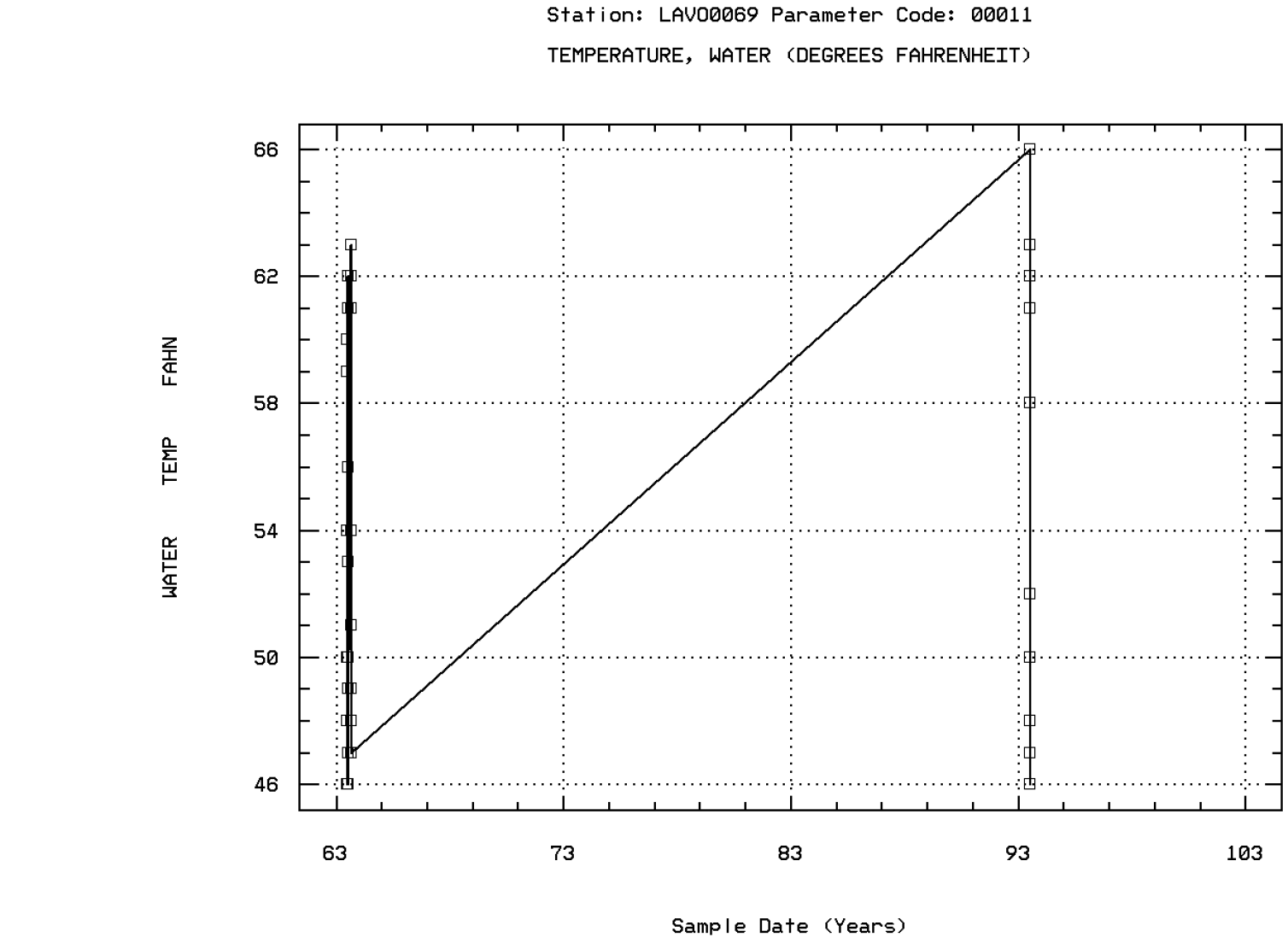
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011p	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/02/63-07/16/93	60	48.5	52.283	66.	46.	44.918	6.702	46.	47.	59.75	62.
00300p	OXYGEN, DISSOLVED MG/L	07/02/63-07/16/93	60	7.55	6.818	10.	0.1	5.536	2.353	3.65	5.45	8.15	9.6
00400p	PH (STANDARD UNITS)	07/02/63-07/16/93	60	6.8	6.863	7.3	6.5	0.091	0.302	6.5	6.6	7.2	7.3
00400p	CONVERTED PH (STANDARD UNITS)	07/02/63-07/16/93	60	6.8	6.772	7.3	6.5	0.1	0.316	6.5	6.6	7.2	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/63-07/16/93	60	0.158	0.169	0.316	0.05	0.01	0.098	0.05	0.063	0.251	0.316
00411	ALKALINITY,METHYLORANGE MG/L	07/09/63-07/16/93	3	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

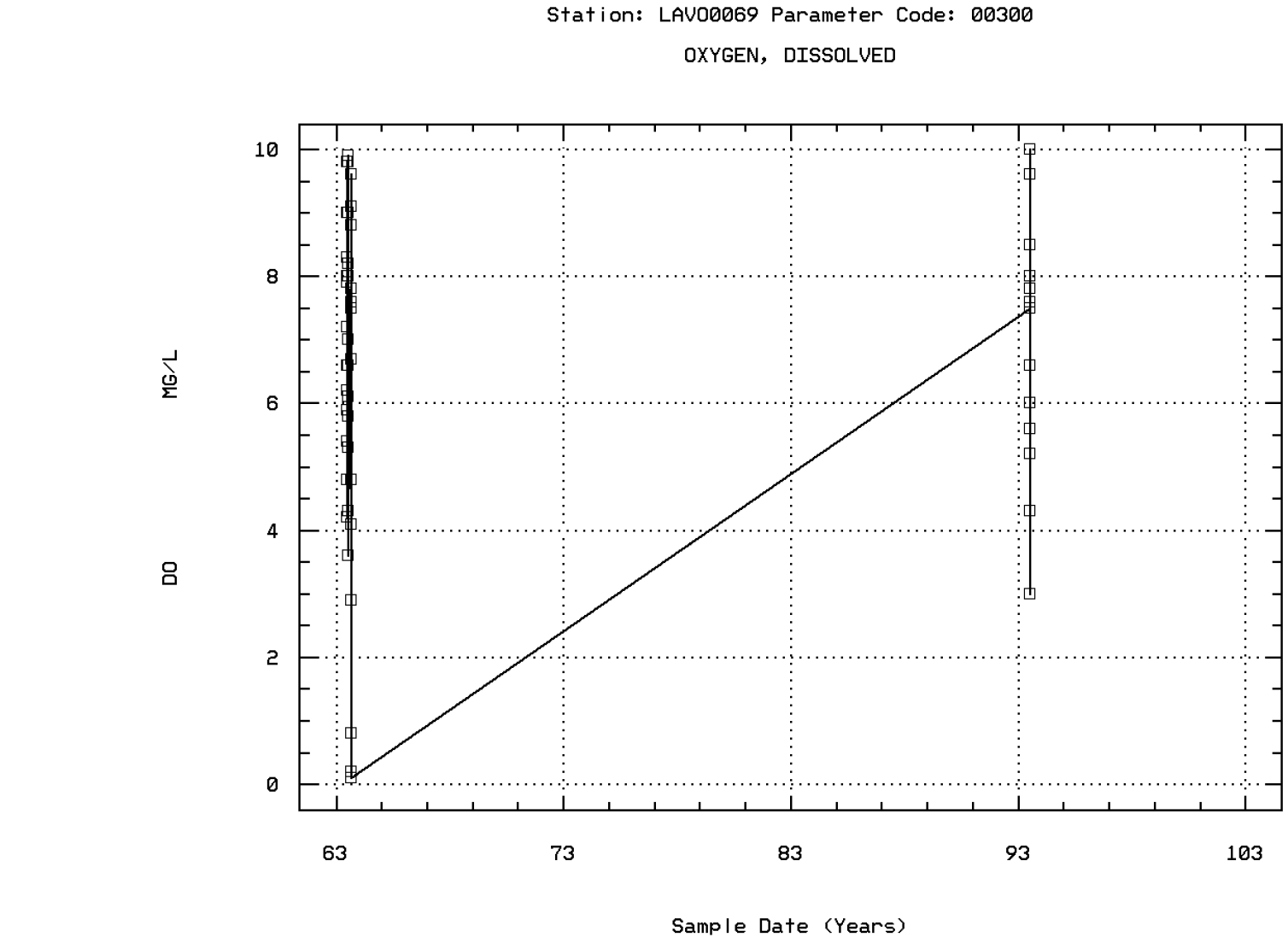
EPA Water Quality Criteria Analysis for Station: LAVO0069

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	60	6	0.10	15	4	0.27				45	2	0.04			
00400	PH	Fresh Chronic	9.	60	0	0.00	15	0	0.00				45	0	0.00			
		Other-Lo Lim.	6.5	60	10	0.17	15	3	0.20				45	7	0.16			

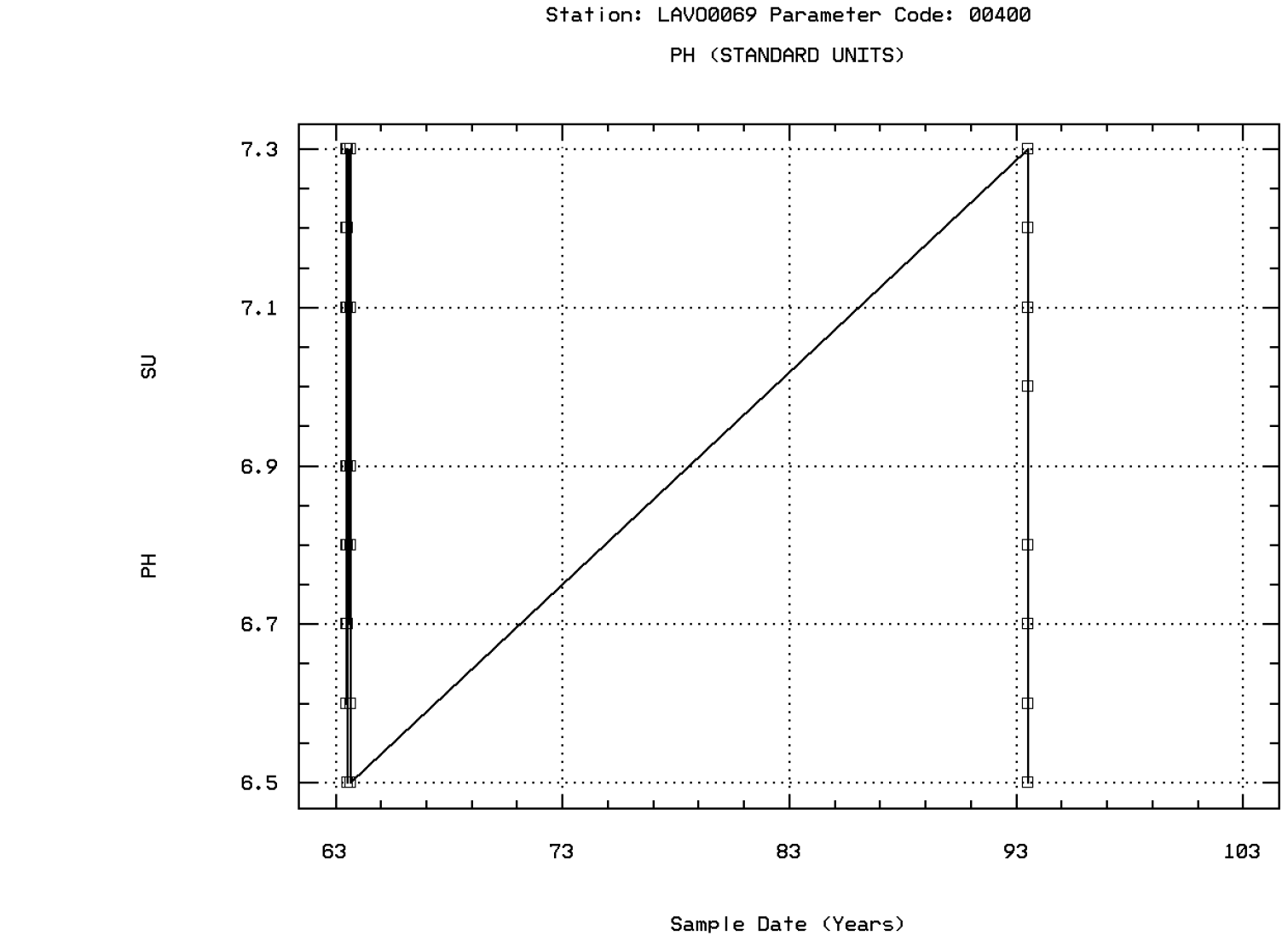
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



HORSESHOE LAKE STATION 15



HORSESHOE LAKE STATION 15



HORSESHOE LAKE STATION 15

Station Inventory for Station: LAVO0070

NPS Station ID: LAVO0070 | LAT/LON: 40.349170/-121.333892 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: DOMINGO C A FEATHER R HOMESITES | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): A5378301 /5184434
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121024 | RF1 Mile Point: 1.430 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 4960 ;
STATION NAME: DOMINGO C A FEATHER R HOMESITES ; DWR COUNTY CODE: 32; LATITUDE: 402057; LONGITUDE: 1212002;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 29N, RANGE 06, SECTION 29BBASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	135.	135.	135.	135.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	600.	600.	600.	600.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0070

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: LAVO0071

NPS Station ID: LAVO0071
LAT/LON: 40.472503/-121.334727
Agency: 112WRD
Date Created: 12/19/81
Location: HORSESHOE LK NR CHESTER CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 402821121200500
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-06/18/81	10	14.9	13.37	19.	6.6	17.18	4.145	6.64	9.4	16.15	18.73
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/18/81-06/18/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/18/81-06/18/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/81-06/18/81	10	27.5	27.5	28.	27.	0.278	0.527	27.	27.	28.	28.
00300	OXYGEN, DISSOLVED MG/L	06/18/81-06/18/81	10	9.4	9.07	10.7	7.	1.447	1.203	7.04	8.	9.9	10.65
00400	PH (STANDARD UNITS)	06/18/81-06/18/81	10	7.2	7.1	7.3	6.5	0.064	0.254	6.53	7.025	7.225	7.3
00400	CONVERTED PH (STANDARD UNITS)	06/18/81-06/18/81	10	7.2	7.013	7.3	6.5	0.073	0.27	6.53	7.025	7.225	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-06/18/81	10	0.063	0.097	0.316	0.05	0.007	0.083	0.05	0.06	0.099	0.3
00403	PH, LAB, STANDARD UNITS SU	06/18/81-06/18/81	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-06/18/81	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-06/18/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/18/81-06/18/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-06/18/81	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-06/18/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/18/81-06/18/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/18/81-06/18/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/18/81-06/18/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/18/81-06/18/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-06/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/18/81-06/18/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/18/81-06/18/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-06/18/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/18/81-06/18/81	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/18/81-06/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/18/81-06/18/81	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/18/81-06/18/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/18/81-06/18/81	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/18/81-06/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-06/18/81	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: LAVO0071

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-06/18/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/18/81-06/18/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/18/81-06/18/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/18/81-06/18/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/18/81-06/18/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/18/81-06/18/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-06/18/81	1	27.	27.	27.	27.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/18/81-06/18/81	1	28.	28.	28.	28.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/18/81-06/18/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/81-06/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/18/81-06/18/81	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/18/81-06/18/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/18/81-06/18/81	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/18/81-06/18/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0071

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	0	0.00							10	0	0.00			
00400	PH	Fresh Chronic	9.	10	0	0.00							10	0	0.00			
		Other-Lo Lim.	6.5	10	1	0.10							10	1	0.10			
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			
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.	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: LAVO0072

NPS Station ID: LAVO0072 | LAT/LON: 40.348892/-121.335837 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: FEATHER R NF A FEATHER R HOMESITE | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): A5378601 /5184435
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121024 | RF1 Mile Point: 1.530 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 4950 ;
STATION NAME: FEATHER R NF A FEATHER R HOMESITE; DWR COUNTY CODE: 32; LATITUDE: 402056; LONGITUDE: 1212009;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 29N, RANGE 06, SECTION 29CBASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0072

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0072

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: LAVO0073

NPS Station ID: LAVO0073
LAT/LON: 40.475420/-121.337893
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Horseshoe Lake North Shore
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_HSLS3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6550
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the north shore of Horseshoe Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0073

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/03/79-07/03/79	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/03/79-07/03/79	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/03/79-07/03/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/03/79-07/03/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/03/79-07/03/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/03/79-07/03/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/03/79-07/03/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/03/79-07/03/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/03/79-07/03/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/03/79-07/03/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/03/79-07/03/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/03/79-07/03/79	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: LAVO0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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: LAVO0073

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0074

NPS Station ID: LAVO0074
LAT/LON: 40.474782/-121.338366
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Horseshoe Lake North Arm
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_HSL3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6550
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the north arm of Horseshoe Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/03/79-08/03/79	3	16.	16.667	23.	11.	36.333	6.028	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/03/79-08/03/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/03/79-08/03/79	3	8.	7.	8.	5.	3.	1.732	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/03/79-08/03/79	3	12.	10.833	20.	0.5	96.083	9.802	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/03/79-08/03/79	3	7.5	7.167	8.	6.	1.083	1.041	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/03/79-08/03/79	3	7.5	6.459	8.	6.	1.834	1.354	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/03/79-08/03/79	3	0.032	0.347	1.	0.01	0.32	0.565	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/03/79-08/03/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/03/79-08/03/79	3	16.	14.667	16.	12.	5.333	2.309	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/03/79-08/03/79	3	6.	7.333	10.	6.	5.333	2.309	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/03/79-08/03/79	3	6.	7.333	10.	6.	5.333	2.309	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/03/79-08/03/79	3	9.	9.333	10.	9.	0.333	0.577	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/03/79-08/03/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			

& - 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: LAVO0074

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	1	0.33							3	1	0.33			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0075

NPS Station ID: LAVO0075
LAT/LON: 40.469365/-121.341670
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Horseshoe Lake Shore Inlet
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_HSLS1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6550
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the shore in the southwestern portion of the lake near the inlet. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-08/03/79	3	22.	22.167	23.5	21.	1.583	1.258	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/79-08/03/79	3	8.4	8.267	8.4	8.	0.053	0.231	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-08/03/79	3	4.5	3.833	4.5	2.5	1.333	1.155	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/08/79-08/03/79	3	7.5	7.667	8.	7.5	0.083	0.289	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/79-08/03/79	3	7.5	7.612	8.	7.5	0.088	0.296	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/79-08/03/79	3	0.032	0.024	0.032	0.01	0.	0.012	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-08/03/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-08/03/79	3	20.	21.333	24.	20.	5.333	2.309	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-08/03/79	3	16.	16.667	18.	16.	1.333	1.155	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-08/03/79	3	4.	4.667	8.	2.	9.333	3.055	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-08/03/79	3	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-08/03/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0075

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			
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			

& - 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: LAVO0075

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0076

NPS Station ID: LAVO0076
LAT/LON: 40.360559/-121.347227
Agency: 112WRD
Date Created: 12/19/81
Location: DOMINGO SPRINGS NR CHESTER CA
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 402138121205000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/81-09/10/81	2	8.65	8.65	9.5	7.8	1.445	1.202	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/29/81-06/29/81	1	638.	638.	638.	638.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/29/81-09/10/81	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/29/81-09/10/81	2	1.15	1.15	2.	0.3	1.445	1.202	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/81-09/10/81	2	147.5	147.5	151.	144.	24.5	4.95	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/29/81-09/10/81	2	9.05	9.05	9.1	9.	0.005	0.071	**	**	**	**
00400	PH (STANDARD UNITS)	06/29/81-09/10/81	2	6.75	6.75	7.	6.5	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/29/81-09/10/81	2	6.682	6.682	7.	6.5	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/81-09/10/81	2	0.208	0.208	0.316	0.1	0.023	0.153	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/29/81-09/10/81	2	7.25	7.25	7.3	7.2	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/29/81-09/10/81	2	7.247	7.247	7.3	7.2	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/81-09/10/81	2	0.057	0.057	0.063	0.05	0.	0.009	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/29/81-09/10/81	2	44.5	44.5	46.	43.	4.5	2.121	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/29/81-06/29/81	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/29/81-09/10/81	2	0.405	0.405	0.49	0.32	0.014	0.12	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/29/81-06/29/81	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/29/81-09/10/81	2	0.285	0.285	0.39	0.18	0.022	0.148	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/29/81-09/10/81	2 ##	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/29/81-09/10/81	2 ##	0.04	0.04	0.05	0.03	0.	0.014	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/29/81-09/10/81	2	0.365	0.365	0.43	0.3	0.008	0.092	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/29/81-09/10/81	2	0.03	0.03	0.06	0.	0.002	0.042	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/29/81-09/10/81	2	0.385	0.385	0.49	0.28	0.022	0.148	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/29/81-09/10/81	2 ##	0.058	0.058	0.07	0.045	0.	0.018	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/29/81-09/10/81	2	0.04	0.04	0.06	0.02	0.001	0.028	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/29/81-09/10/81	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/29/81-09/10/81	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/29/81-09/10/81	2	0.8	0.8	1.4	0.2	0.72	0.849	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/81-09/10/81	2	38.	38.	38.	38.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/29/81-09/10/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/29/81-09/10/81	2	9.2	9.2	9.3	9.1	0.02	0.141	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/29/81-09/10/81	2	3.65	3.65	3.8	3.5	0.045	0.212	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/29/81-09/10/81	2	13.5	13.5	14.	13.	0.5	0.707	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/29/81-09/10/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/29/81-09/10/81	2	41.5	41.5	42.	41.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/29/81-09/10/81	2	2.85	2.85	3.	2.7	0.045	0.212	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/29/81-09/10/81	2	17.	17.	19.	15.	8.	2.828	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/81-09/10/81	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/29/81-09/10/81	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

Parameter Inventory for Station: LAVO0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/29/81-09/10/81	2	39.5	39.5	40.	39.	0.5	0.707	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/29/81-09/10/81	2	116.	116.	117.	115.	2.	1.414	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/29/81-09/10/81	2	113.5	113.5	117.	110.	24.5	4.95	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/29/81-09/10/81	2	0.065	0.065	0.08	0.05	0.	0.021	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/29/81-09/10/81	2	0.135	0.135	0.18	0.09	0.004	0.064	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/29/81-06/29/81	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/29/81-06/29/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: LAVO0076

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50	1	1	1.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
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			
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			

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

Station Inventory for Station: LAVO0077

NPS Station ID: LAVO0077
LAT/LON: 40.512448/-121.347698
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Rainbow Lake
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_RNBL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6480
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the center of Rainbow Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/79-08/23/79	3	19.	18.667	19.	18.	0.333	0.577	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/23/79-08/23/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/23/79-08/23/79	3	7.2	7.133	7.6	6.6	0.253	0.503	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/23/79-08/23/79	3	3.5	3.333	4.	2.5	0.583	0.764	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/79-08/23/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/79-08/23/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/79-08/23/79	3	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/23/79-08/23/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/79-08/23/79	3	20.	20.	20.	20.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/23/79-08/23/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/23/79-08/23/79	3	20.	20.	20.	20.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/23/79-08/23/79	3	1.	1.	1.	1.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/23/79-08/23/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------8/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/31---------- Obs	Exceed	Prop.	----------6/01-8/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0077

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	3	0	0.00									
		Other-Lo Lim.	6.5	3	3	1.00	3	3	1.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0078

NPS Station ID: LAVO0078
LAT/LON: 40.511392/-121.348003
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Rainbow South Shore
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_RNBSS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6480
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the southern shore of Rainbow Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0078

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/79-06/28/79	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/79-06/28/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/28/79-06/28/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/28/79-06/28/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/28/79-06/28/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/79-06/28/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/28/79-06/28/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/79-06/28/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/28/79-06/28/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/28/79-06/28/79	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/28/79-06/28/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/28/79-06/28/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: LAVO0078

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0079

NPS Station ID: LAVO0079
LAT/LON: 40.512782/-121.349449
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Rainbow Lake West Shore
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_RNBWS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6480
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the western shore of Rainbow Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0079

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/79-08/23/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/23/79-08/23/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/23/79-08/23/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/23/79-08/23/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/23/79-08/23/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/79-08/23/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/23/79-08/23/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/79-08/23/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/23/79-08/23/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/23/79-08/23/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/23/79-08/23/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/23/79-08/23/79	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: LAVO0079

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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									

& - 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: LAVO0079

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0080

NPS Station ID: LAVO0080 LAT/LON: 40.433060/-121.350560 Agency: 112WRD Date Created: 12/19/81
Location: KINGS C A WARNER VALLEY RD NR CHESTER CA FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 402559121210200
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/81-06/23/81	1	16.5	16.5	16.5	16.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/81-06/23/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/81-06/23/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/81-06/23/81	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/81-06/23/81	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/81-06/23/81	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/23/81-06/23/81	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/81-06/23/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/23/81-06/23/81	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/23/81-06/23/81	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/81-06/23/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/81-06/23/81	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/23/81-06/23/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/81-06/23/81	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/81-06/23/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/23/81-06/23/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/81-06/23/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/81-06/23/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/23/81-06/23/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/81-06/23/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/23/81-06/23/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/81-06/23/81	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/81-06/23/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/23/81-06/23/81	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/23/81-06/23/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/23/81-06/23/81	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/23/81-06/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/81-06/23/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/81-06/23/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/23/81-06/23/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/23/81-06/23/81	1	28.	28.	28.	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

Parameter Inventory for Station: LAVO0080

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	06/23/81-06/23/81	1	33.	33.	33.	33.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/23/81-06/23/81	1	49.	49.	49.	49.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/23/81-06/23/81	1	1.34	1.34	1.34	1.34	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/23/81-06/23/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/23/81-06/23/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/23/81-06/23/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/23/81-06/23/81	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/23/81-06/23/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0080

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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.	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: LAVO0081

NPS Station ID: LAVO0081 | LAT/LON: 40.433060/-121.351116 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: KINGS CREEK AT KELLY CAMP | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): A5375201 /5184430
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121023 | RF1 Mile Point: 8.400 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 5600 ;
STATION NAME: KINGS CREEK AT KELLY CAMP ; DWR COUNTY CODE: 32; LATITUDE: 402559; LONGITUDE: 1212104;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 30N, RANGE 06, SECTION 30GBASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0081

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	200.	200.	200.	200.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0081

Parameter				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
		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									
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									

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

Station Inventory for Station: LAVO0082

NPS Station ID: LAVO0082
LAT/LON: 40.368338/-121.356670
Agency: 11NPSWRD
Date Created: 11/21/98
Location: DOMINGO SPRINGS
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_CSDS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE STOVER MOUNTAIN 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT DOMINGO SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" FOR THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0082

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/24/79-08/24/79	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/24/79-08/24/79	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	600.	600.	600.	600.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0082

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0083

NPS Station ID: LAVO0083 | LAT/LON: 40.508282/-121.360531 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Lower Twin Northeast | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_LTWNE
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6534 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the northeast portion of Lower Twin Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/79-07/13/79	3	16.	16.333	18.	15.	2.333	1.528	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/13/79-07/13/79	3	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/13/79-07/13/79	3	2.	1.833	2.	1.5	0.083	0.289	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/13/79-07/13/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/13/79-07/13/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/13/79-07/13/79	3	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/13/79-07/13/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/13/79-07/13/79	3	6.	6.	6.	6.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/13/79-07/13/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/13/79-07/13/79	3	6.	6.	6.	6.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/13/79-07/13/79	3	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/13/79-07/13/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0083

Parameter				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			

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

EPA Water Quality Criteria Analysis for Station: LAVO0083

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0084

NPS Station ID: LAVO0084 | LAT/LON: 40.498059/-121.360782 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Swan Lake East Shore | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_SWANS
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6628 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the east shore of Swan Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/79-06/28/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/79-06/28/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/28/79-06/28/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/28/79-06/28/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/28/79-06/28/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/79-06/28/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/28/79-06/28/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/79-06/28/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/28/79-06/28/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/28/79-06/28/79	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/28/79-06/28/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/28/79-06/28/79	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: LAVO0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0085

NPS Station ID: LAVO0085
LAT/LON: 40.509670/-121.361226
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Lower Twin North Shore
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_LTWNS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6534
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the north shore of Lower Twin Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/79-06/27/79	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/27/79-06/27/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/27/79-06/27/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/27/79-06/27/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/27/79-06/27/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/79-06/27/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/27/79-06/27/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/27/79-06/27/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/27/79-06/27/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/27/79-06/27/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/27/79-06/27/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/27/79-06/27/79	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: LAVO0085

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0085

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0086

NPS Station ID: LAVO0086 | LAT/LON: 40.506170/-121.361309 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Lower Twin East Shore | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_LTWES
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6534 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located on the east shore of Lower Twin Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/16/79-08/16/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/16/79-08/16/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/16/79-08/16/79	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/16/79-08/16/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/16/79-08/16/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/16/79-08/16/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/16/79-08/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/16/79-08/16/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/16/79-08/16/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/16/79-08/16/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/16/79-08/16/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/16/79-08/16/79	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: LAVO0086

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
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									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0087

NPS Station ID: LAVO0087 | LAT/LON: 40.499503/-121.361892 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Swan Lake North Shore | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_SWANN
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6628 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the north shore of Swan Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/79-07/14/79	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/14/79-07/14/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/14/79-07/14/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/14/79-07/14/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/14/79-07/14/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/79-07/14/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/14/79-07/14/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/79-07/14/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/14/79-07/14/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/14/79-07/14/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/14/79-07/14/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/14/79-07/14/79	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: LAVO0087

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0088

NPS Station ID: LAVO0088
LAT/LON: 40.497920/-121.362059
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Swan Lake
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_SWAN
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6628
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Mt. Harkness CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the southern portion of Swan Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/14/79-07/14/79	3	21.	21.167	22.5	20.	1.583	1.258	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/14/79-07/14/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/14/79-07/14/79	3	7.	7.	7.	7.	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/14/79-07/14/79	3	1.5	1.333	1.5	1.	0.083	0.289	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/14/79-07/14/79	3	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/14/79-07/14/79	3	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/14/79-07/14/79	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/14/79-07/14/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/14/79-07/14/79	3	6.	4.	6.	0.	12.	3.464	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/14/79-07/14/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/14/79-07/14/79	3	6.	4.	6.	0.	12.	3.464	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/14/79-07/14/79	3	1.5	1.333	1.5	1.	0.083	0.289	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/14/79-07/14/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			

& - 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: LAVO0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0089

NPS Station ID: LAVO0089
LAT/LON: 40.497781/-121.362504
Agency: 12WLS1
Date Created: 09/03/88
Location: SWAN LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A3-013
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 19
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.299	0.299	0.299	0.299	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	24.1	24.1	24.1	24.1	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.073	0.073	0.073	0.073	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	28.	28.	28.	28.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	6624.04	6624.04	6624.04	6624.04	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	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: LAVO0089

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	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: LAVO0089

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0090

NPS Station ID: LAVO0090
LAT/LON: 40.505199/-121.365448
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Lower Twin Lake South End
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_LTWSE
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6534
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the the midpoint and the surface. This station is located at the southern end of Lower Twin Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/28/79-08/16/79	6	19.75	18.833	21.	15.	5.467	2.338	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/28/79-08/16/79	2	13.5	13.5	13.5	13.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/28/79-08/16/79	6	7.6	7.45	8.	6.4	0.295	0.543	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/28/79-08/16/79	6	2.25	2.333	3.	1.5	0.367	0.606	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/28/79-08/16/79	6	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/28/79-08/16/79	6	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/79-08/16/79	6	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/28/79-08/16/79	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/28/79-08/16/79	6	6.	6.333	7.	6.	0.267	0.516	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/28/79-08/16/79	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/28/79-08/16/79	6	6.	6.333	7.	6.	0.267	0.516	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/28/79-08/16/79	6	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/28/79-08/16/79	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 time series plot

EPA Water Quality Criteria Analysis for Station: LAVO0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0090

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00	3	0	0.00				3	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00	3	3	1.00				3	3	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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

Station Inventory for Station: LAVO0091

NPS Station ID: LAVO0091
LAT/LON: 40.502531/-121.370198
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Southern Bay Upper Twin Lake
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_UTWN
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6543
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the southern bay of Upper Twin Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/12/79-07/12/79	3	18.5	16.833	20.	12.	18.083	4.252	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/12/79-07/12/79	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/12/79-07/12/79	3	7.6	7.733	8.	7.6	0.053	0.231	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/12/79-07/12/79	3	2.	2.167	2.5	2.	0.083	0.289	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/12/79-07/12/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/12/79-07/12/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/12/79-07/12/79	3	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/12/79-07/12/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/12/79-07/12/79	3	4.	4.	4.	4.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/12/79-07/12/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/12/79-07/12/79	3	4.	4.	4.	4.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/12/79-07/12/79	3	1.5	1.333	1.5	1.	0.083	0.289	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/12/79-07/12/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			

& - 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: LAVO0091

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0092

NPS Station ID: LAVO0092
LAT/LON: 40.503948/-121.370920
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Upper Twin Lake North Shore
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_UTWNS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6543
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located on the northern shore of Upper Twin Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0092

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/27/79-07/12/79	2	20.	20.	20.	20.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/27/79-07/12/79	2	7.4	7.4	7.6	7.2	0.08	0.283	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/27/79-07/12/79	2	1.75	1.75	2.	1.5	0.125	0.354	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/27/79-07/12/79	2	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/27/79-07/12/79	2	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/27/79-07/12/79	2	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/27/79-07/12/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/27/79-07/12/79	2	11.	11.	14.	8.	18.	4.243	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/27/79-07/12/79	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/27/79-07/12/79	2	8.	8.	10.	6.	8.	2.828	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/27/79-07/12/79	2	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/27/79-07/12/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	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	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

EPA Water Quality Criteria Analysis for Station: LAVO0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0093

NPS Station ID: LAVO0093
LAT/LON: 40.421448/-121.378004
Agency: 11NPSWRD
Date Created: 11/21/98
Location: TERMINAL GEYSER
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_BSTG
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT TERMINAL GEYSER IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" FOR THE USGS. THE STATION COORDINATES PROVIDED IN THE REPORT WERE NOT USED FOR THIS STATION SINCE THEIR ACCURACY WAS QUESTIONABLE. THE STATION COORDINATES USED WERE A BEST ESTIMATE BY THE NATIONAL PARK SERVICE; WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/25/81	3	95.	94.	95.	92.	3.	1.732	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-07/31/79	2	13.	13.	25.	1.	288.	16.971	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-07/31/79	2	7.15	7.15	7.6	6.7	0.405	0.636	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-07/31/79	2	6.95	6.95	7.6	6.7	0.485	0.697	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-07/31/79	2	0.112	0.112	0.2	0.025	0.015	0.123	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-07/31/79	2	4.85	4.85	5.2	4.5	0.245	0.495	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-07/31/79	2	4.722	4.722	5.2	4.5	0.278	0.527	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-07/31/79	2	18.966	18.966	31.623	6.31	320.379	17.899	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/25/81	3	24.	25.333	33.	19.	50.333	7.095	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/25/81	3	9.3	9.133	9.9	8.2	0.743	0.862	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/25/81	3	1.9	2.133	3.	1.5	0.603	0.777	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/25/81	3	7.5	7.6	8.	7.3	0.13	0.361	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/25/81	3	2.01	2.113	3.	1.33	0.705	0.84	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/25/81	3	3.	9.833	26.	0.5	197.583	14.056	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/25/81	3	48.	38.667	52.	16.	389.333	19.732	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/25/81	3	0.19	0.143	0.19	0.05	0.007	0.081	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/25/81	3	46.	46.667	64.	30.	289.333	17.01	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/25/81	3	1500.	1500.	1600.	1400.	10000.	100.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/79-07/31/79	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/25/81	3 ##	10.	13.333	25.	5.	108.333	10.408	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00				1	1	1.00			
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			

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

Station Inventory for Station: LAVO0094

NPS Station ID: LAVO0094 | LAT/LON: 40.421503/-121.378060 | Agency: 11NPSWRD | Date Created: 10/03/98
Location: TERMINAL GEYSER | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_TG
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT TERMINAL GEYSER IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MUFFLER; NEHRING; TRUESDELL; JANIK; CLYNNE; AND THOMPSON AS PART OF A REPORT TITLED "THE LASSEN GEOTHERMAL SYSTEM" FOR THE USGS FROM THE PROCEEDINGS OF THE 1982 GEOTHERMAL CONFERENCE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. DATES ARE GIVEN AS MONTH AND YEAR IN THE REPORT; SO THE DATES HAVE BEEN ESTIMATED AS THE 15TH OF THE MONTH. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0094

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-08/15/76	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-08/15/76	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-08/15/76	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-08/15/76	1	31.623	31.623	31.623	31.623	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-08/15/76	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-08/15/76	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-08/15/76	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-08/15/76	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-08/15/76	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-08/15/76	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-08/15/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-08/15/76	1	46.	46.	46.	46.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-08/15/76	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-08/15/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
74073	FLOW LITERS/MIN	08/15/76-08/15/76	1	4.	4.	4.	4.	0.	0.	**	**	**	**
82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/76-08/15/76	1	8000.	8000.	8000.	8000.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0095

NPS Station ID: LAVO0095 | LAT/LON: 40.526088/-121.379087 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Feather Lake North Shore | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_FTHRS
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6400 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the north shore of Feather Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-444 . Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/79-06/29/79	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/29/79-06/29/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/79-06/29/79	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/79-06/29/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/79-06/29/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/79-06/29/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/29/79-06/29/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/79-06/29/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/29/79-06/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/29/79-06/29/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/29/79-06/29/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/29/79-06/29/79	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: LAVO0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			

& - 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: LAVO0095

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0096

NPS Station ID: LAVO0096
LAT/LON: 40.525004/-121.379170
Agency: 12WLS1
Date Created: 09/03/88
Location: FEATHER LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A3-011
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 26
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0096

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.167	0.167	0.167	0.167	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	23.9	23.9	23.9	23.9	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.048	0.048	0.048	0.048	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	6584.02	6584.02	6584.02	6584.02	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	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: LAVO0096

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154 SULFATE (AS S) WHOLE WATER	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: LAVO0096

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0097

NPS Station ID: LAVO0097 | LAT/LON: 40.529031/-121.385170 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Silver Lake North Shore | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_SLNS
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6600 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the north shore of Silver Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-444 . Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/79-06/29/79	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/29/79-06/29/79	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/79-06/29/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/79-06/29/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/79-06/29/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/79-06/29/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/29/79-06/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/79-06/29/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/29/79-06/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/29/79-06/29/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/29/79-06/29/79	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/29/79-06/29/79	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: LAVO0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			

& - 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: LAVO0097

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0098

NPS Station ID: LAVO0098
LAT/LON: 40.495698/-121.391088
Agency: 11NPSWRD
Date Created: 06/13/98
Location: ECHO LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_EL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6846
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes; Lassen Volcanic National Park 1960." All measurements are assumed to have been taken in the field. The water quality station is located in the southern part of Echo lake. The lake is glacial in origin and lies ina small valley. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0098

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/27/60-07/27/60	11	69.	68.091	72.	63.	7.491	2.737	63.2	66.	70.	71.6
00300	OXYGEN, DISSOLVED MG/L	07/27/60-07/27/60	6	8.95	8.983	10.4	7.6	2.098	1.448	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/27/60-07/27/60	6	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/60-07/27/60	6	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/60-07/27/60	6	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/60-07/27/60	6	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	07/27/60-07/27/60	6	2.	2.	2.	2.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/27/60-07/27/60	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 time series plot

EPA Water Quality Criteria Analysis for Station: LAVO0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00							6	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	6	0	0.00							6	0	0.00			
		Other-Lo Lim.	6.5	6	6	1.00							6	6	1.00			

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

Station Inventory for Station: LAVO0099

NPS Station ID: LAVO0099
LAT/LON: 40.533587/-121.392032
Agency: 11NPSWRD
Date Created: 06/13/98
Location: CLUSTER LAKE #2
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_CLUST2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6550
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Cluster Lake is the southernmost of the two Cluster Lakes. There is a single inlet found at the southeast end of the lake and one outlet located at the northwest end of the lake. The lake has a maximum depth of 16 feet at a point northwest of the center. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0099

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/07/60-08/07/60	5	68.	69.2	72.	68.	3.2	1.789	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/07/60-08/07/60	5	7.3	7.52	8.1	7.3	0.122	0.349	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/07/60-08/07/60	5	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/07/60-08/07/60	5	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/07/60-08/07/60	5	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/07/60-08/07/60	5	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	08/07/60-08/07/60	5	2.	2.	2.	2.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0099

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00							5	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	5	0	0.00							5	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00							5	0	0.00			

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

Station Inventory for Station: LAVO0100

NPS Station ID: LAVO0100 | LAT/LON: 40.533309/-121.392671 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: South Cluster Lake West Shore | | FIPS State/County: 06089 CALIFORNIA/SHASTA |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_1979_SCLWS |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6680 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the western shore of South Cluster Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0100

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/79-06/29/79	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/29/79-06/29/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/79-06/29/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/79-06/29/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/79-06/29/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/79-06/29/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/29/79-06/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/79-06/29/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/29/79-06/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/29/79-06/29/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/29/79-06/29/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/29/79-06/29/79	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: LAVO0100

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0100

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0101

NPS Station ID: LAVO0101
LAT/LON: 40.537087/-121.392976
Agency: 11NPSWRD
Date Created: 06/06/98
Location: North Cluster Lake 3a
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_NCL3A
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6650
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in North Cluster Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-444 . Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/79-07/27/79	2	22.	22.	24.	20.	8.	2.828	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/27/79-07/27/79	1	1.75	1.75	1.75	1.75	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/27/79-07/27/79	2	6.05	6.05	6.5	5.6	0.405	0.636	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/27/79-07/27/79	2	1.25	1.25	1.5	1.	0.125	0.354	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/27/79-07/27/79	2	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/27/79-07/27/79	2	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/27/79-07/27/79	2	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/27/79-07/27/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/27/79-07/27/79	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/27/79-07/27/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/27/79-07/27/79	2	2.	2.	2.	2.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/27/79-07/27/79	2	3.	3.	3.	3.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/27/79-07/27/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: LAVO0101

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0102

NPS Station ID: LAVO0102
LAT/LON: 40.537087/-121.392976
Agency: 11NPSWRD
Date Created: 06/06/98
Location: North Cluster Lake 3b
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_NCL3B
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6650
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in North Cluster Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-444 . Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/11/79-08/11/79	3	25.	25.	25.	25.	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/11/79-08/11/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/11/79-08/11/79	3	5.7	5.6	5.7	5.4	0.03	0.173	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/11/79-08/11/79	3	3.	4.5	8.	2.5	9.25	3.041	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/11/79-08/11/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/11/79-08/11/79	3	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/11/79-08/11/79	3	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/11/79-08/11/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/11/79-08/11/79	3	4.	4.	4.	4.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/11/79-08/11/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/11/79-08/11/79	3	4.	4.	4.	4.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/11/79-08/11/79	3	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/11/79-08/11/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			

& - 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: LAVO0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0103

NPS Station ID: LAVO0103
LAT/LON: 40.536477/-121.393226
Agency: 11NPSWRD
Date Created: 06/06/98
Location: North Cluster Lake South Shore
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_NCLSS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6650
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This sample is located along the southern shore of North Cluster Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-444 . Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/79-06/29/79	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/29/79-06/29/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/29/79-06/29/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/29/79-06/29/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/29/79-06/29/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/79-06/29/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/29/79-06/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/29/79-06/29/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	06/29/79-06/29/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	06/29/79-06/29/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	06/29/79-06/29/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	06/29/79-06/29/79	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: LAVO0103

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0103

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0104

NPS Station ID: LAVO0104 LAT/LON: 40.435198/-121.395226 Agency: 11NPSWRD Date Created: 11/21/98
Location: SOUTHEAST END OF BOILING SPRINGS LAKE FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): LAVO_USGS_BSSE
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT THE SOUTHEAST END OF BOILING SPRINGS LAKE IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. THE STATION COORDINATES PROVIDED IN THE REPORT WERE NOT USED FOR THIS STATION SINCE THEIR ACCURACY WAS QUESTIONABLE. THE STATION COORDINATES USED WERE A BEST ESTIMATE BY THE NATIONAL PARK SERVICE; WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/79-07/31/79	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/79-07/31/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/79-07/31/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/79-07/31/79	1	5011.872	5011.872	5011.872	5011.872	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/79-07/31/79	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/79-07/31/79	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/79-07/31/79	1 ##	100000.	100000.	100000.	100000.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/31/79-07/31/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/79-07/31/79	1	21.6	21.6	21.6	21.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/79-07/31/79	1	15.2	15.2	15.2	15.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/79-07/31/79	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/79-07/31/79	1	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/79-07/31/79	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/79-07/31/79	1	710.	710.	710.	710.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/31/79-07/31/79	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/31/79-07/31/79	1	242.	242.	242.	242.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/31/79-07/31/79	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	1	63000.	63000.	63000.	63000.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	1	28000.	28000.	28000.	28000.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/31/79-07/31/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/31/79-07/31/79	1	15900.	15900.	15900.	15900.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0104

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00406	PH, FIELD	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	0 &	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			

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

Station Inventory for Station: LAVO0105

NPS Station ID: LAVO0105 | LAT/LON: 40.436226/-121.396560 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Boiling Springs Lake | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_BSNES
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 5600 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the northeast shore of Boiling Springs Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/26/79-08/26/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/26/79-08/26/79	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/26/79-08/26/79	1	500.	500.	500.	500.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/26/79-08/26/79	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/26/79-08/26/79	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/26/79-08/26/79	1	63.096	63.096	63.096	63.096	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/26/79-08/26/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/26/79-08/26/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/26/79-08/26/79	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: LAVO0105

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
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									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0106

NPS Station ID: LAVO0106
LAT/LON: 40.525587/-121.399865
Agency: 11NPSWRD
Date Created: 06/13/98
Location: BIG BEAR LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_BBL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6675
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at Big Bear Lake by Paul Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. The lake is situated in a shallow glaciated basin. There is one inlet stream and no outlet stream. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/02/60-08/02/60	11	68.	68.091	69.	68.	0.091	0.302	68.	68.	68.	68.8
00300	OXYGEN, DISSOLVED MG/L	08/02/60-08/02/60	11	7.3	7.3	7.3	7.3	0.	0.	7.3	7.3	7.3	7.3
00405	CARBON DIOXIDE (MG/L AS CO2)	08/02/60-08/02/60	11	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
00406	PH, FIELD, STANDARD UNITS SU	08/02/60-08/02/60	11	6.6	6.6	6.6	6.6	0.	0.	6.6	6.6	6.6	6.6
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/02/60-08/02/60	11	6.6	6.6	6.6	6.6	0.	0.	6.6	6.6	6.6	6.6
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/02/60-08/02/60	11	0.251	0.251	0.251	0.251	0.	0.	0.251	0.251	0.251	0.251
00411	ALKALINITY,METHYLORANGE MG/L	08/02/60-08/02/60	11	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/02/60-08/02/60	11 ##	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 time series plot

EPA Water Quality Criteria Analysis for Station: LAVO0106

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00							11	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	11	0	0.00							11	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00							11	0	0.00			

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

Station Inventory for Station: LAVO0107

NPS Station ID: LAVO0107
LAT/LON: 40.525476/-121.400338
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Big Bear Lake Shore near "Big Bear Lake" Sign
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_BBLS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6900
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located at the Bear Lake shore near the "Big Bear Lake" sign. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/79-07/01/79	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/79-07/01/79	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/01/79-07/01/79	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/01/79-07/01/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/01/79-07/01/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/79-07/01/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/01/79-07/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/79-07/01/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/01/79-07/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/01/79-07/01/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/01/79-07/01/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/01/79-07/01/79	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: LAVO0107

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0108

NPS Station ID: LAVO0108
LAT/LON: 40.442503/-121.400838
Agency: 112WRD
Date Created: 12/19/81
Location: HOT SPRINGS C NR DRAKESBAD CA
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 402633121240300
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/81-06/23/81	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/81-06/23/81	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/81-06/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/81-06/23/81	1	113.	113.	113.	113.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/81-06/23/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/81-06/23/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/23/81-06/23/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/81-06/23/81	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/23/81-06/23/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/23/81-06/23/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/81-06/23/81	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/81-06/23/81	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/23/81-06/23/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/23/81-06/23/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/81-06/23/81	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/81-06/23/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/23/81-06/23/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/81-06/23/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/81-06/23/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/23/81-06/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/81-06/23/81	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/23/81-06/23/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/81-06/23/81	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/81-06/23/81	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/23/81-06/23/81	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/23/81-06/23/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/23/81-06/23/81	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/23/81-06/23/81	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/81-06/23/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/81-06/23/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/23/81-06/23/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/23/81-06/23/81	1	45.	45.	45.	45.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0108

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	06/23/81-06/23/81	1	112.	112.	112.	112.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/23/81-06/23/81	1	111.	111.	111.	111.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/23/81-06/23/81	1	7.86	7.86	7.86	7.86	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/23/81-06/23/81	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/23/81-06/23/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/23/81-06/23/81	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/23/81-06/23/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/23/81-06/23/81	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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.	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: LAVO0109

NPS Station ID: LAVO0109
LAT/LON: 40.463115/-121.401838
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Corral Meadows 3 Adjacent to Last Camp
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/FWTLND
STORET Station ID(s): LAVO_1979_CRLM3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6000
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located in a marshy area adjacent to the last camp in Corral Meadows. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0109

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/79-07/22/79	1	16.5	16.5	16.5	16.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/79-07/22/79	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/22/79-07/22/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/22/79-07/22/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/22/79-07/22/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/79-07/22/79	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/22/79-07/22/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/79-07/22/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/79-07/22/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/79-07/22/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/22/79-07/22/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/22/79-07/22/79	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: LAVO0109

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0109

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0110

NPS Station ID: LAVO0110
LAT/LON: 40.463615/-121.402477
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Corral Meadows 2 at Trail Junction
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/FWTLND
STORET Station ID(s): LAVO_1979_CRLM2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6000
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located in a marshy area at the trail junction in Corral Meadows. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/79-07/22/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/79-07/22/79	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/22/79-07/22/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/22/79-07/22/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/22/79-07/22/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/79-07/22/79	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/22/79-07/22/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/79-07/22/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/79-07/22/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/79-07/22/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/22/79-07/22/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/22/79-07/22/79	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: LAVO0110

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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: LAVO0110

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0111

NPS Station ID: LAVO0111 | LAT/LON: 40.464421/-121.402698 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Corral Meadows 1 Under Bridge | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/FWTLND | STORET Station ID(s): LAVO_1979_CRLM1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6000 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located in a marshy area under the bridge in Corral Meadows. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO; 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/22/79-07/22/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/22/79-07/22/79	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/22/79-07/22/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/22/79-07/22/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/22/79-07/22/79	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/22/79-07/22/79	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/22/79-07/22/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/79-07/22/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/22/79-07/22/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/22/79-07/22/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/22/79-07/22/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/22/79-07/22/79	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: LAVO0111

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0112

NPS Station ID: LAVO0112 | LAT/LON: 40.464920/-121.402671 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Grassy Swale 1 near First Sighting of Trail | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/FWTLND | STORET Station ID(s): LAVO_1979_GSW1
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6000 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located in a marshy area near the first sighting of the trail in Grassy Swale. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-07/08/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/79-07/08/79	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-07/08/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/08/79-07/08/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/79-07/08/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/79-07/08/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-07/08/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-07/08/79	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-07/08/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-07/08/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-07/08/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-07/08/79	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: LAVO0112

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0113

NPS Station ID: LAVO0113 | LAT/LON: 40.464920/-121.402671 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Grassy Swale 2 at Trail Junction | | FIPS State/County: 06089 CALIFORNIA/SHASTA |
Station Type: /TYPA/AMBNT/FWTLND | | STORET Station ID(s): LAVO_1979_GSW2 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020121 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6000 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located in a marshy area near the trail junction in Grassy Swale. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0113

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-07/08/79	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/79-07/08/79	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-07/08/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/08/79-07/08/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/79-07/08/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/79-07/08/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-07/08/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-07/08/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-07/08/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-07/08/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-07/08/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-07/08/79	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: LAVO0113

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0113

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0114

NPS Station ID: LAVO0114 | LAT/LON: 40.464920/-121.402671 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Grassy Swale 3 Near Waterfall | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/FWTLND | STORET Station ID(s): LAVO_1979_GSW3
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6000 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located in a marshy area near the waterfall in Grassy Swale. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0114

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/08/79-07/08/79	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/08/79-07/08/79	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/08/79-07/08/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/08/79-07/08/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/08/79-07/08/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/08/79-07/08/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/08/79-07/08/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/08/79-07/08/79	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/08/79-07/08/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/08/79-07/08/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/08/79-07/08/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/08/79-07/08/79	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: LAVO0114

Parameter				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0114

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0115

NPS Station ID: LAVO0115 LAT/LON: 40.523476/-121.405253 Agency: 11NPSWRD Date Created: 06/06/98
Location: Little Bear Lake East Shore FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): LAVO_1979_LBLES
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 6500 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020003 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the eastern shore of Little Bear Lake.
The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0115

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/79-07/31/79	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/31/79-07/31/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/79-07/31/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/79-07/31/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/79-07/31/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/79-07/31/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/31/79-07/31/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/79-07/31/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/31/79-07/31/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/31/79-07/31/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/31/79-07/31/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/79-07/31/79	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: LAVO0115

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
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			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0116

NPS Station ID: LAVO0116
LAT/LON: 40.561309/-121.405393
Agency: 11NPSWRD
Date Created: 12/19/98
Location: UNNAMED CREEK NEAR BADGER FLAT
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_BF
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE WEST PROSPECT PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED CREEK NEAR BADGER FLAT IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE DATA COME FROM A USGS SUMMARY OF A BRIEF FIELD SURVEY OF LASSEN VOLCANIC NATIONAL PARK MADE IN AUGUST 1973 BY E.J. MCCLELLAND OF THE SACRAMENTO USGS OFFICE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE TOWNSHIP AND RANGE DESCRIPTION AND THE BEST APPROXIMATION AT A WATER BODY IN THAT SECTION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/73-08/24/73	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/73-08/24/73	1	106.	106.	106.	106.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/24/73-08/24/73	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/24/73-08/24/73	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/73-08/24/73	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/24/73-08/24/73	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	08/24/73-08/24/73	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/24/73-08/24/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/73-08/24/73	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/73-08/24/73	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/73-08/24/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/73-08/24/73	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/73-08/24/73	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/73-08/24/73	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/24/73-08/24/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/24/73-08/24/73	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/73-08/24/73	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/73-08/24/73	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/73-08/24/73	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0116

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/73-08/24/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/73-08/24/73	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/73-08/24/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/24/73-08/24/73	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/24/73-08/24/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/24/73-08/24/73	1	88.	88.	88.	88.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/24/73-08/24/73	1	0.12	0.12	0.12	0.12	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: LAVO0116

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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: LAVO0117

NPS Station ID: LAVO0117 | LAT/LON: 40.523254/-121.405865 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: LITTLE BEAR LAKE | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_PMH_LBL
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6750 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at Little Bear Lake by Paul Hubbell of Humboldt State Univ. as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. The lake is situated in a small glacial pocket approximately one-quarter mile southwest of Big Bear Lake. The lake's deepest point is in the northern half of the lake near the west shore and is only 10 feet. The water level fluctuates markedly with the seasons. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0117

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/31/60-07/31/60	4	70.	70.	70.	70.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/31/60-07/31/60	4	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/60-07/31/60	4	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/60-07/31/60	4	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/60-07/31/60	4	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/60-07/31/60	4	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	07/31/60-07/31/60	4	2.	2.	2.	2.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/31/60-07/31/60	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

EPA Water Quality Criteria Analysis for Station: LAVO0117

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	0	0.00							4	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: LAVO0117

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a 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			

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

Station Inventory for Station: LAVO0118

NPS Station ID: LAVO0118
LAT/LON: 40.522781/-121.405837
Agency: 12WLS1
Date Created: 09/03/88
Location: LITTLE BEAR LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A3-072
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 6
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0118

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.098	0.098	0.098	0.098	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	39.6	39.6	39.6	39.6	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	0.23	0.23	0.23	0.23	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	168.	168.	168.	168.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.018	0.018	0.018	0.018	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	6784.14	6784.14	6784.14	6784.14	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	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	1	1.00	1	1	1.00									

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

EPA Water Quality Criteria Analysis for Station: LAVO0118

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0119

NPS Station ID: LAVO0119 | LAT/LON: 40.523309/-121.406199 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Little Bear Lake SW | | FIPS State/County: 06089 CALIFORNIA/SHASTA |
Station Type: /TYPA/AMBNT/LAKE | | STORET Station ID(s): LAVO_1979_LBLSW |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 6500 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in the southwest portion of Little Bear Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063 Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0119

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/79-07/31/79	3	15.	15.167	15.5	15.	0.083	0.289	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/31/79-07/31/79	1	3.25	3.25	3.25	3.25	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/31/79-07/31/79	3	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/31/79-07/31/79	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/79-07/31/79	3	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/79-07/31/79	3	6.	6.	6.	6.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/79-07/31/79	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/31/79-07/31/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/31/79-07/31/79	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/31/79-07/31/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/31/79-07/31/79	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/31/79-07/31/79	3	1.	1.167	1.5	1.	0.083	0.289	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/31/79-07/31/79	3	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0119

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			

& - 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: LAVO0119

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0120

NPS Station ID: LAVO0120 LAT/LON: 40.450004/-121.406116 Agency: 11NPSWRD Date Created: 11/21/98
Location: HIGHEST SPRING FEEDING POOL AT DRAKESBAD FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_DBSP
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE HIGHEST SPRING FEEDING POOL AT DRAKESBAD IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/01/76	2	65.5	65.5	66.	65.	0.5	0.707	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-09/01/76	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/01/76	2	7.6	7.6	8.1	7.1	0.5	0.707	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-09/01/76	2	7.36	7.36	8.1	7.1	0.616	0.785	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/01/76	2	0.044	0.044	0.079	0.008	0.003	0.051	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/01/76	2	6.65	6.65	6.8	6.5	0.045	0.212	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-09/01/76	2	6.625	6.625	6.8	6.5	0.046	0.215	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/01/76	2	0.237	0.237	0.316	0.158	0.012	0.112	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/01/76	2	129.5	129.5	130.	129.	0.5	0.707	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/01/76	2	38.3	38.3	38.6	38.	0.18	0.424	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/01/76	2	7.85	7.85	9.6	6.1	6.125	2.475	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/01/76	2	43.	43.	45.	41.	8.	2.828	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/01/76	2	10.6	10.6	10.9	10.3	0.18	0.424	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/01/76	2	1.95	1.95	3.	0.9	2.205	1.485	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/01/76	2	138.5	138.5	145.	132.	84.5	9.192	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/01/76	2	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/01/76	2	143.	143.	144.	142.	2.	1.414	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/76-09/01/76	2	450.	450.	500.	400.	5000.	70.711	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/01/76	2	1000.	1000.	1400.	600.	320000.	565.685	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/01/76-09/01/76	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/76-09/01/76	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/76-09/01/76	2	500.	500.	600.	400.	20000.	141.421	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/76-09/01/76	2	65.	65.	70.	60.	50.	7.071	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/01/76	2	30.	30.	30.	30.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0120

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/76-09/01/76	2	110.	110.	120.	100.	200.	14.142	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	09/01/76-09/01/76	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: LAVO0120

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: LAVO0121

NPS Station ID: LAVO0121
LAT/LON: 40.523309/-121.406531
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Little Bear Lake West Shore
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_LBLWS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6500
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located along the west shore of Little Bear Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0121

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/79-07/01/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/79-07/01/79	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/01/79-07/01/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/01/79-07/01/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/01/79-07/01/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/79-07/01/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/01/79-07/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/79-07/01/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/01/79-07/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/01/79-07/01/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/01/79-07/01/79	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/01/79-07/01/79	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: LAVO0121

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0121

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0122

NPS Station ID: LAVO0122 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 21 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB21
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 21 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/64-09/05/64	1	68.3	68.3	68.3	68.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/64-09/05/64	1	541.	541.	541.	541.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/05/64-09/05/64	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/05/64-09/05/64	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/05/64-09/05/64	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/05/64-09/05/64	1	108.	108.	108.	108.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/05/64-09/05/64	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/05/64-09/05/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/05/64-09/05/64	1	166.	166.	166.	166.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/05/64-09/05/64	1	77.	77.	77.	77.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/05/64-09/05/64	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/05/64-09/05/64	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/05/64-09/05/64	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/05/64-09/05/64	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/05/64-09/05/64	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/05/64-09/05/64	1	176.	176.	176.	176.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/05/64-09/05/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/05/64-09/05/64	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/05/64-09/05/64	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: LAVO0122

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01020	BORON, DISSOLVED (UG/L AS B)	09/05/64-09/05/64	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/05/64-09/05/64	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/05/64-09/05/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/05/64-09/05/64	1	540.	540.	540.	540.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/05/64-09/05/64	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0122

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
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									
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: LAVO0123

NPS Station ID: LAVO0123 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 11 | | FIPS State/County: 06063 CALIFORNIA/PLUMAS |
Station Type: /TYPA/AMBNT/SPRING | | STORET Station ID(s): LAVO_USGS_DB11 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020121 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 11 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0123

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	56.7	56.457	57.1	55.	0.51	0.714	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1375.	1375.	1375.	1375.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0124

NPS Station ID: LAVO0124 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 6 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB06
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-10/18/64	8	62.2	62.537	66.1	61.5	2.191	1.48	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/64-10/18/64	2	1016.	1016.	1485.	547.	439922.	663.266	**	**	**	**
00400	PH (STANDARD UNITS)	08/24/64-08/24/64	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/24/64-08/24/64	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/64-08/24/64	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-09/04/64	4	744.	744.	748.	740.	10.667	3.266	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/64-08/24/64	1	114.	114.	114.	114.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/24/64-08/24/64	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/24/64-08/24/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/64-08/24/64	1	171.	171.	171.	171.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/64-08/24/64	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/64-08/24/64	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/64-08/24/64	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/64-08/24/64	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/64-08/24/64	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/64-08/24/64	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/64-08/24/64	1	174.	174.	174.	174.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/64-08/24/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/64-08/24/64	1	162.	162.	162.	162.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0124

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/24/64-08/24/64	1 ##	0.415	0.415	0.415	0.415	0.	0.	**	**	**	**
01017	BISMUTH, TOTAL (UG/L AS BI)	08/24/64-08/24/64	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/64-08/24/64	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/24/64-08/24/64	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/24/64-08/24/64	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	08/24/64-08/24/64	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/24/64-08/24/64	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/24/64-08/24/64	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/24/64-08/24/64	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/24/64-08/24/64	1 ##	1.05	1.05	1.05	1.05	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/24/64-08/24/64	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	08/24/64-08/24/64	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/24/64-08/24/64	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/24/64-08/24/64	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/24/64-08/24/64	1	92.	92.	92.	92.	0.	0.	**	**	**	**
01122	GALLIUM, TOTAL (UG/L AS GA)	08/24/64-08/24/64	1 ##	4.	4.	4.	4.	0.	0.	**	**	**	**
01127	GERMANIUM, TOTAL (UG/L AS GE)	08/24/64-08/24/64	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/64-08/24/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01152	TITANIUM, TOTAL (UG/L AS TI)	08/24/64-08/24/64	1 ##	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	08/24/64-08/24/64	1	513.	513.	513.	513.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/24/64-08/24/64	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: LAVO0124

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------8/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/31---------- Obs	Exceed	Prop.	----------6/01-8/14---------- Obs	Exceed	Prop.	----------n/a---------- 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									
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									
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									
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									
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0125

NPS Station ID: LAVO0125 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 7 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB07
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0125

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	61.4	61.429	62.1	60.3	0.346	0.588	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1460.	1460.	1460.	1460.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0126

NPS Station ID: LAVO0126 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 5 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB05
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0126

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	64.2	63.414	64.3	61.	1.551	1.246	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1485.	1485.	1485.	1485.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-09/04/64	4	742.	741.75	750.	733.	50.917	7.136	**	**	**	**

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

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

Station Inventory for Station: LAVO0127

NPS Station ID: LAVO0127
LAT/LON: 40.439031/-121.408281
Agency: 11NPSWRD
Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 3
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DB03
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0127

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	60.1	59.929	60.4	59.4	0.146	0.382	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0128

NPS Station ID: LAVO0128 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 12 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB12
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 12 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0128

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	56.9	56.729	57.1	56.1	0.169	0.411	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1259.	1259.	1259.	1259.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-09/04/64	4	723.	726.5	738.	722.	59.667	7.724	**	**	**	**

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

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

Station Inventory for Station: LAVO0129

NPS Station ID: LAVO0129
LAT/LON: 40.439031/-121.408281
Agency: 11NPSWRD
Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 19
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DB19
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 19 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0129

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-10/18/64	8	50.75	50.863	52.2	50.	0.466	0.682	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/64-10/18/64	2	859.	859.	1175.	543.	199712.	446.891	**	**	**	**
00400	PH (STANDARD UNITS)	08/24/64-08/24/64	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/24/64-08/24/64	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/64-08/24/64	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-10/18/64	5	712.	909.8	1710.	705.	200125.7	447.354	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/64-08/24/64	1	109.	109.	109.	109.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/24/64-08/24/64	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/64-08/24/64	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/64-08/24/64	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/64-08/24/64	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/64-08/24/64	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/64-08/24/64	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/64-08/24/64	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/64-08/24/64	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/64-08/24/64	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/64-08/24/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/64-08/24/64	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/64-08/24/64	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: LAVO0129

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0130

NPS Station ID: LAVO0130 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 4 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB04
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0130

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	57.7	57.729	58.3	57.2	0.162	0.403	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1220.	1220.	1220.	1220.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0131

NPS Station ID: LAVO0131
LAT/LON: 40.439031/-121.408281
Agency: 11NPSWRD
Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 2
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DB02
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/64-09/05/64	1	68.3	68.3	68.3	68.3	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/64-09/05/64	1	552.	552.	552.	552.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/05/64-09/05/64	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/05/64-09/05/64	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/05/64-09/05/64	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/05/64-09/05/64	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/05/64-09/06/64	2	95.	95.	95.	95.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/05/64-09/05/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/05/64-09/05/64	1	172.	172.	172.	172.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/05/64-09/05/64	1	77.	77.	77.	77.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/05/64-09/06/64	2	48.	48.	48.	48.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/05/64-09/06/64	2	13.	13.	13.	13.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/05/64-09/05/64	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/05/64-09/06/64	2	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/05/64-09/06/64	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/05/64-09/06/64	2	178.	178.	178.	178.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/05/64-09/06/64	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/05/64-09/06/64	2	200.	200.	200.	200.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/05/64-09/05/64	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: LAVO0131

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01020	BORON, DISSOLVED (UG/L AS B)	09/05/64-09/06/64	2	900.	900.	900.	900.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/05/64-09/05/64	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/05/64-09/05/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/05/64-09/05/64	1	549.	549.	549.	549.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/05/64-09/06/64	2	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0131

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
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									
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: LAVO0132

NPS Station ID: LAVO0132 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 15 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB15
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 15 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0132

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	50.8	50.557	51.5	48.6	0.903	0.95	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1175.	1175.	1175.	1175.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0133

NPS Station ID: LAVO0133
LAT/LON: 40.439031/-121.408281
Agency: 11NPSWRD
Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 13
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DB13
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 13 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0133

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	54.9	54.886	55.8	53.6	0.551	0.743	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1310.	1310.	1310.	1310.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/06/64-09/06/64	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/06/64-09/06/64	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/06/64-09/06/64	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/06/64-09/06/64	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/06/64-09/06/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/06/64-09/06/64	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/06/64-09/06/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/06/64-09/06/64	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/06/64-09/06/64	1	900.	900.	900.	900.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/06/64-09/06/64	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: LAVO0133

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
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: LAVO0134

NPS Station ID: LAVO0134
LAT/LON: 40.439031/-121.408281
Agency: 11NPSWRD
Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 20
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DB20
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 20 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0134

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	50.5	50.714	52.	49.8	0.728	0.853	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1130.	1130.	1130.	1130.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/06/64-09/06/64	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/06/64-09/06/64	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/06/64-09/06/64	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/06/64-09/06/64	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/06/64-09/06/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/06/64-09/06/64	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/06/64-09/06/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/06/64-09/06/64	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/06/64-09/06/64	1	900.	900.	900.	900.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/06/64-09/06/64	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0134

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
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: LAVO0135

NPS Station ID: LAVO0135
LAT/LON: 40.439031/-121.408281
Agency: 11NPSWRD
Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING H22
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DBH22
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING H22 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/06/64-09/06/64	1	57.2	57.2	57.2	57.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/06/64-09/06/64	1	543.	543.	543.	543.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/06/64-09/06/64	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/06/64-09/06/64	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/06/64-09/06/64	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/06/64-09/06/64	1	107.	107.	107.	107.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/06/64-09/06/64	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/06/64-09/06/64	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/06/64-09/06/64	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/06/64-09/06/64	1	80.	80.	80.	80.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/06/64-09/06/64	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/06/64-09/06/64	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/06/64-09/06/64	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/06/64-09/06/64	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/06/64-09/06/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/06/64-09/06/64	1	178.	178.	178.	178.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/06/64-09/06/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/06/64-09/06/64	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/06/64-09/06/64	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: LAVO0135

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01020	BORON, DISSOLVED (UG/L AS B)	09/06/64-09/06/64	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/06/64-09/06/64	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/06/64-09/06/64	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/06/64-09/06/64	1	544.	544.	544.	544.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/06/64-09/06/64	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: LAVO0135

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
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									
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: LAVO0136

NPS Station ID: LAVO0136 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 17 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB17
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 17 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0136

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	51.5	51.6	52.5	50.4	0.433	0.658	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1255.	1255.	1255.	1255.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0137

NPS Station ID: LAVO0137 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 10 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB10
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 10 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0137

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	58.5	58.343	59.1	57.3	0.523	0.723	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1300.	1300.	1300.	1300.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0138

NPS Station ID: LAVO0138 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 18 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB18
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 18 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0138

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	51.3	51.271	52.4	50.3	0.576	0.759	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1248.	1248.	1248.	1248.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0139

NPS Station ID: LAVO0139
LAT/LON: 40.439031/-121.408281
Agency: 11NPSWRD
Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 8
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DB08
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0139

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	60.8	60.443	61.1	58.4	0.876	0.936	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1390.	1390.	1390.	1390.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0140

NPS Station ID: LAVO0140 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 14 | | FIPS State/County: 06063 CALIFORNIA/PLUMAS |
Station Type: /TYPA/AMBNT/SPRING | | STORET Station ID(s): LAVO_USGS_DB14 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020121 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 14 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0140

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	53.3	53.386	54.	53.	0.135	0.367	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1275.	1275.	1275.	1275.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-10/18/64	5	716.	908.	1744.	680.	218768.	467.726	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0141

NPS Station ID: LAVO0141 | LAT/LON: 40.439031/-121.408281 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 9 | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DB09
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/16/64-10/18/64	7	57.5	58.	59.8	56.5	1.64	1.281	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/64-10/18/64	1	1380.	1380.	1380.	1380.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/64-10/18/64	5	734.	946.8	1809.	728.	232319.7	481.996	**	**	**	**

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

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

Station Inventory for Station: LAVO0142

NPS Station ID: LAVO0142
LAT/LON: 40.439031/-121.408281
Agency: 11NPSWRD
Date Created: 02/13/99
Location: DRAKESBAD HOT SPRING 16
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DB16
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT DRAKESBAD HOT SPRING 16 IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATIONS OF ALL STATIONS WITHIN THE DRAKESBAD HOT SPRINGS AREA HAVE BEEN GIVEN IDENTICAL COORDINATES BASED ON LOCATION INFORMATION FROM THE NATIONAL PARK SERVICE AT LAVO. THERE IS A HAND-DRAWN MAP OF THE DRAKESBAD HOT SPRINGS AREA INCLUDED WITH THE DATA SHEETS WHICH ARE ON FILE AT LAVO. FOR MORE INFORMATION REGARDING LAVO CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NPS; WRD; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0142

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/64-10/18/64	8	52.3	52.45	56.1	50.8	3.029	1.74	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/64-10/18/64	2	905.	905.	1265.	545.	259200.	509.117	**	**	**	**
00400	PH (STANDARD UNITS)	08/24/64-08/24/64	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/24/64-08/24/64	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/64-08/24/64	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/64-08/24/64	1	109.	109.	109.	109.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/24/64-08/24/64	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/64-08/24/64	1	168.	168.	168.	168.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/64-08/24/64	1	79.	79.	79.	79.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/64-08/24/64	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/64-08/24/64	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/64-08/24/64	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/64-08/24/64	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/64-08/24/64	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/64-08/24/64	1	179.	179.	179.	179.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/64-08/24/64	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/64-08/24/64	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/64-08/24/64	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: LAVO0142

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0143

NPS Station ID: LAVO0143
LAT/LON: 40.524170/-121.413337
Agency: 12WLS1
Date Created: 09/03/88
Location: (NO NAME)
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A3-010
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 26
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.106	0.106	0.106	0.106	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	33.	33.	33.	33.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	6884.2	6884.2	6884.2	6884.2	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0143

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	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: LAVO0143

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0144

NPS Station ID: LAVO0144 | LAT/LON: 40.354726/-121.416115 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: FEATHER R NF A ROD AND GUN CLUB | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): A5379601 /5184436
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id:
Minor Basin: FEATHER RIVER | ECO Region:
RF1 Index: 18020121024 | RF1 Mile Point: 6.310 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 5370 ;
STATION NAME: FEATHER R NF A ROD AND GUN CLUB ; DWR COUNTY CODE: 32; LATITUDE: 402117; LONGITUDE: 1212458;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 29N, RANGE 05, SECTION 22MBASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0144

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: LAVO0145

NPS Station ID: LAVO0145
LAT/LON: 40.493338/-121.422338
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Summit Lake 1A
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_SL1A
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6676
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in Summit Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100 Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0145

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/79-07/24/79	2	21.5	21.5	23.	20.	4.5	2.121	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/24/79-07/24/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/24/79-07/24/79	2	6.9	6.9	7.	6.8	0.02	0.141	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/24/79-07/24/79	2	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/24/79-07/24/79	2	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/24/79-07/24/79	2	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/79-07/24/79	2	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/24/79-07/24/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/79-07/24/79	2	16.	16.	16.	16.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/79-07/24/79	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/79-07/24/79	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/24/79-07/24/79	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/79-07/24/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: LAVO0145

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0146

NPS Station ID: LAVO0146 | LAT/LON: 40.493920/-121.422477 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Summit Lake Shore Near Picnic Site | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_1979_SUMLS
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 6676 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." This station is located at the shore near the picnic site at Summit Lake.
The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0146

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/79-08/06/79	2	23.5	23.5	24.	23.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/24/79-08/06/79	2	6.4	6.4	6.8	6.	0.32	0.566	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	07/24/79-08/06/79	2	2.5	2.5	3.5	1.5	2.	1.414	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/24/79-08/06/79	2	6.75	6.75	7.	6.5	0.125	0.354	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/24/79-08/06/79	2	6.682	6.682	7.	6.5	0.134	0.367	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/79-08/06/79	2	0.208	0.208	0.316	0.1	0.023	0.153	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/24/79-08/06/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/79-08/06/79	2	13.	13.	16.	10.	18.	4.243	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/24/79-08/06/79	2	6.	6.	8.	4.	8.	2.828	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/24/79-08/06/79	2	7.	7.	8.	6.	2.	1.414	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	07/24/79-08/06/79	2	8.	8.	9.	7.	2.	1.414	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/24/79-08/06/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0146

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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			

& - 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: LAVO0146

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0147

NPS Station ID: LAVO0147
LAT/LON: 40.493338/-121.422338
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Summit Lake 1B
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_1979_SL1B
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6676
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site as part of the "Lassen Park Summer 1979 Lake Surveys." Samples at this station were taken at the bottom of the water body as well as the midpoint and the surface. This station is located in Summit Lake. The latitude and longitude coordinates for this station are approximate. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/79-08/06/79	2	20.75	20.75	21.	20.5	0.125	0.354	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/06/79-08/06/79	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/79-08/06/79	2	6.9	6.9	7.2	6.6	0.18	0.424	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/06/79-08/06/79	2	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/06/79-08/06/79	2	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/06/79-08/06/79	2	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/79-08/06/79	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	08/06/79-08/06/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/79-08/06/79	2	12.	12.	12.	12.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	08/06/79-08/06/79	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	08/06/79-08/06/79	2	8.	8.	8.	8.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	08/06/79-08/06/79	2	7.	7.	7.	7.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	08/06/79-08/06/79	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: LAVO0147

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0148

NPS Station ID: LAVO0148
LAT/LON: 40.496670/-121.426949
Agency: 21CAL-3
Date Created: 11/29/86
Location: 45-501 SUMMIT LAKE (N.FORK HAT CREEK)
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): A45/501-INTAKE
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
DIST 01 LASSEN VOLCANIC NATIONAL PARK

Parameter Inventory for Station: LAVO0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/80-07/28/86	3	46.	47.667	52.	45.	14.333	3.786	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/80-07/28/86	3	7.5	7.4	7.5	7.2	0.03	0.173	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/80-07/28/86	3	7.5	7.376	7.5	7.2	0.031	0.176	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/80-07/28/86	3	0.032	0.042	0.063	0.032	0.	0.018	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/80-08/23/83	2	24.	24.	25.	23.	2.	1.414	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/23/80-07/28/86	3	29.	29.333	31.	28.	2.333	1.528	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/23/80-07/28/86	3	0.	0.007	0.02	0.	0.	0.012	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/80-07/28/86	3	20.	19.333	20.	18.	1.333	1.155	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/80-07/28/86	3	4.8	5.167	6.	4.7	0.523	0.723	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/80-07/28/86	3	1.9	1.8	2.	1.5	0.07	0.265	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/23/80-07/28/86	3	1.6	1.567	2.	1.1	0.203	0.451	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/23/80-07/28/86	3	0.14	0.38	1.	0.	0.293	0.541	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/80-07/28/86	3	0.1	1.367	4.	0.	5.203	2.281	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/80-07/28/86	3	0.5	0.5	1.	0.	0.25	0.5	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/23/80-07/28/86	4	0.075	0.065	0.11	0.	0.003	0.051	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/23/80-07/28/86	3	0.015	0.022	0.05	0.	0.001	0.026	**	**	**	**
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	07/23/80-07/28/86	2 ##	2.525	2.525	5.	0.05	12.251	3.5	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/23/80-07/28/86	2 ##	1.013	1.013	2.	0.025	1.95	1.397	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/28/86	2 ##	0.063	0.063	0.1	0.025	0.003	0.053	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/28/86	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/28/86	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/28/86	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/80-07/28/86	3	44.	42.	50.	32.	84.	9.165	**	**	**	**
71814	LANGELIER INDEX, CORROSIVITY, WATER, INDEX NUMBER	08/23/83-08/23/83	1	-2.	-2.	-2.	-2.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/23/80-07/28/86	4	0.413	0.456	1.	0.	0.269	0.519	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0148

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	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			

& - 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: LAVO0148

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	1	0	0.00				3	0	0.00			
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SA	Drinking Water	50.	2	0	0.00							2	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1 &	0	0.00							1	0	0.00			
		Drinking Water	0.2	1 &	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00							2	0	0.00			
		Drinking Water	2.	2	0	0.00							2	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1 &	0	0.00							1	0	0.00			
		Drinking Water	3.	2	0	0.00							2	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1 &	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00							2	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00				3	0	0.00			

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

Station Inventory for Station: LAVO0149

NPS Station ID: LAVO0149
LAT/LON: 40.496281/-121.428366
Agency: 11NPSWRD
Date Created: 12/19/98
Location: EAST FORK HOT CREEK
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_HC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT THE EAST FORK OF HOT CREEK IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE DATA COME FROM A USGS SUMMARY OF A BRIEF FIELD SURVEY OF LASSEN VOLCANIC NATIONAL PARK MADE IN AUGUST 1973 BY E.J. MCCLELLAND OF THE SACRAMENTO USGS OFFICE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE TOWNSHIP AND RANGE DESCRIPTION AND THE BEST APPROXIMATION AT A WATER BODY IN THAT SECTION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/73-08/23/73	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/73-08/23/73	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/23/73-08/23/73	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/23/73-08/23/73	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/73-08/23/73	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/23/73-08/23/73	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	08/23/73-08/23/73	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/23/73-08/23/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/23/73-08/23/73	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/73-08/23/73	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/23/73-08/23/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/23/73-08/23/73	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/23/73-08/23/73	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/23/73-08/23/73	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/23/73-08/23/73	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/23/73-08/23/73	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/23/73-08/23/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/23/73-08/23/73	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/23/73-08/23/73	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: LAVO0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/23/73-08/23/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/23/73-08/23/73	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/23/73-08/23/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/23/73-08/23/73	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/23/73-08/23/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/23/73-08/23/73	1	45.	45.	45.	45.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/23/73-08/23/73	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0149

Parameter			Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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: LAVO0150

NPS Station ID: LAVO0150 | LAT/LON: 40.440837/-121.429893 | Agency: 11NPSWRD | Date Created: 11/07/98
Location: 100 FEET BELOW DEVIL'S KITCHEN | | FIPS State/County: 06063 CALIFORNIA/PLUMAS |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): LAVO_USGS_DKB3 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | |
HUC: 18020121 | Depth of Water: 0 | Aquifer: |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: |
Minor Basin: SACRAMENTO RIVER | | ECO Region: |
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:

Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED 100 FEET BELOW DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION LOCATION DESCRIPTION AND DISCUSSION WITH LASSEN VOLCANIC NATIONAL PARK PERSONNEL. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/94-08/17/94	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/17/94-08/17/94	1	31.	31.	31.	31.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: LAVO0151

NPS Station ID: LAVO0151 | LAT/LON: 40.441087/-121.430171 | Agency: 11NPSWRD | Date Created: 11/21/98
Location: UNNAMED SPRING NEAR HOT CREEK | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_DKHC
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED SPRING NEAR HOT CREEK IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. THE STATION COORDINATES PROVIDED IN THE REPORT WERE NOT USED FOR THIS STATION SINCE THEIR ACCURACY WAS QUESTIONABLE. THE STATION COORDINATES USED WERE A BEST ESTIMATE BY THE NATIONAL PARK SERVICE; WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/16/75-07/16/75	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	63.096	63.096	63.096	63.096	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/16/75-07/16/75	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	31.623	31.623	31.623	31.623	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-07/16/75	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	1	41.5	41.5	41.5	41.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	1	600.	600.	600.	600.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/16/75-07/16/75	1	200.	200.	200.	200.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0152

NPS Station ID: LAVO0152
LAT/LON: 40.439670/-121.430171
Agency: 11NPSWRD
Date Created: 11/07/98
Location: BELOW DEVIL'S KITCHEN
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_DKB1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED BELOW DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/13/93-10/13/93	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/13/93-10/13/93	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

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

Station Inventory for Station: LAVO0153

NPS Station ID: LAVO0153 LAT/LON: 40.441087/-121.430365 Agency: 11NPSWRD Date Created: 11/07/98
Location: DK #2 10 METERS BELOW BRIDGE ON HOT SPRINGS CK FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_2DK
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE DK#2 IS LOCATED 10 METERS BELOW THE BRIDGE ON HOT SPRINGS CREEK IN DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0153

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/86-06/08/88	3	17.	18.167	22.	15.5	11.583	3.403	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/86-06/08/88	3	18.5	19.5	27.	13.	49.75	7.053	**	**	**	**

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

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

Station Inventory for Station: LAVO0154

NPS Station ID: LAVO0154 LAT/LON: 40.441170/-121.430588 Agency: 11NPSWRD Date Created: 11/21/98
Location: HOT SPRINGS CK LOWER BRIDGE IN DEVIL'S KITCHEN FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_HSCLB
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT HOT SPRINGS CREEK AT THE LOWER BRIDGE IN DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION LOCATION DESCRIPTION AND DISCUSSION WITH LASSEN VOLCANIC NATIONAL PARK PERSONNEL. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/89-07/27/89	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/27/89-07/27/89	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/89-07/27/89	1	123.	123.	123.	123.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0155

NPS Station ID: LAVO0155
LAT/LON: 40.442115/-121.431809
Agency: 11NPSWRD
Date Created: 11/07/98
Location: 153 BELOW DEVIL'S KITCHEN
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_DKB2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED BELOW DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0155

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/94-06/02/94	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/02/94-06/02/94	1	20.5	20.5	20.5	20.5	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: LAVO0156

NPS Station ID: LAVO0156
LAT/LON: 40.441142/-121.432060
Agency: 11NPSWRD
Date Created: 10/03/98
Location: DEVIL'S KITCHEN
FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DK
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MUFFLER; NEHRING; TRUESDELL; JANIK; CLYNNE; AND THOMPSON AS PART OF A REPORT TITLED "THE LASSEN GEOTHERMAL SYSTEM" FOR THE USGS FROM THE PROCEEDINGS OF THE 1982 GEOTHERMAL CONFERENCE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. DATES ARE GIVEN AS MONTH AND YEAR IN THE REPORT; SO THE DATES HAVE BEEN ESTIMATED AS THE 15TH OF THE MONTH. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/15/76-09/15/76	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/15/76-09/15/76	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/15/76-09/15/76	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/15/76-09/15/76	1	3162.278	3162.278	3162.278	3162.278	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/15/76-09/15/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/15/76-09/15/76	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/15/76-09/15/76	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/15/76-09/15/76	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/15/76-09/15/76	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/15/76-09/15/76	1	226.	226.	226.	226.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/15/76-09/15/76	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/15/76-09/15/76	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/15/76-09/15/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/15/76-09/15/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/15/76-09/15/76	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/15/76-09/15/76	1	6100.	6100.	6100.	6100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/15/76-09/15/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/15/76-09/15/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/15/76-09/15/76	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: LAVO0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01115	CESIUM, DISSOLVED (UG/L AS CS)	09/15/76-09/15/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/15/76-09/15/76	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/15/76-09/15/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	09/15/76-09/15/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	09/15/76-09/15/76	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
74073	FLOW LITERS/MIN	09/15/76-09/15/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82039	DISSOLVED-SODIUM UG/L (AS NA)	09/15/76-09/15/76	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	09/15/76-09/15/76	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: LAVO0156

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0157

NPS Station ID: LAVO0157 LAT/LON: 40.441448/-121.432310 Agency: 11NPSWRD Date Created: 02/13/99
Location: METEORIC HOT SPRING AT DEVILS KITCHEN FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_MSDK
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT METEORIC HOT SPRING AT DEVILS KITCHEN HOT SPRINGS IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE COORDINATES OF THIS STATION ARE THE CENTER OF A BOX OF COORDINATES GIVEN IN THE DATA SHEETS FOR THE DEVILS KITCHEN HOT SPRINGS AREA. FOR MORE INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/64-09/05/64	1	57.2	57.2	57.2	57.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/05/64-09/05/64	1	294.	294.	294.	294.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/05/64-09/05/64	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/05/64-09/05/64	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/05/64-09/05/64	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/05/64-09/05/64	1	158.	158.	158.	158.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	09/05/64-09/05/64	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	09/05/64-09/05/64	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	09/05/64-09/05/64	1	114.	114.	114.	114.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/05/64-09/05/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/05/64-09/05/64	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/05/64-09/05/64	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/05/64-09/05/64	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/05/64-09/05/64	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/05/64-09/05/64	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/05/64-09/05/64	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/05/64-09/05/64	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/05/64-09/05/64	1	96.	96.	96.	96.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/05/64-09/05/64	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: LAVO0157

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01020	BORON, DISSOLVED (UG/L AS B)	09/05/64-09/05/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/05/64-09/05/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/05/64-09/05/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/05/64-09/05/64	1	258.	258.	258.	258.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/05/64-09/05/64	1	1.1	1.1	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

EPA Water Quality Criteria Analysis for Station: LAVO0157

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
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									
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: LAVO0158

NPS Station ID: LAVO0158
LAT/LON: 40.341115/-121.433060
Agency: 112WRD
Date Created: 12/19/81
Location: WILSON LAKE NR MILL CREEK CA
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 402028121255900
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/81-06/18/81	3	18.	18.067	18.2	18.	0.013	0.115	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/18/81-06/18/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/18/81-06/18/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/18/81-06/18/81	3	44.	44.333	45.	44.	0.333	0.577	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/18/81-06/18/81	3	7.7	7.8	8.	7.7	0.03	0.173	**	**	**	**
00400	PH (STANDARD UNITS)	06/18/81-06/18/81	3	7.3	7.333	7.4	7.3	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/18/81-06/18/81	3	7.3	7.331	7.4	7.3	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-06/18/81	3	0.05	0.047	0.05	0.04	0.	0.006	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/18/81-06/18/81	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/18/81-06/18/81	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/18/81-06/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	1	0.99	0.99	0.99	0.99	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	1	0.87	0.87	0.87	0.87	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/18/81-06/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/18/81-06/18/81	1	0.96	0.96	0.96	0.96	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/18/81-06/18/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/18/81-06/18/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/18/81-06/18/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/18/81-06/18/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/18/81-06/18/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/18/81-06/18/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/18/81-06/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/18/81-06/18/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/18/81-06/18/81	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/18/81-06/18/81	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/18/81-06/18/81	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/18/81-06/18/81	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/18/81-06/18/81	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/18/81-06/18/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/18/81-06/18/81	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/18/81-06/18/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/18/81-06/18/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/18/81-06/18/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/18/81-06/18/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/18/81-06/18/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/18/81-06/18/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/18/81-06/18/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/18/81-06/18/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/18/81-06/18/81	1	43.	43.	43.	43.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/18/81-06/18/81	1	37.	37.	37.	37.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/18/81-06/18/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/18/81-06/18/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/18/81-06/18/81	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/18/81-06/18/81	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/18/81-06/18/81	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/18/81-06/18/81	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: LAVO0158

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							3	0	0.00			
00400	PH	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	0	0.00							3	0	0.00			
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			
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.	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: LAVO0159

NPS Station ID: LAVO0159
LAT/LON: 40.448616/-121.433893
Agency: 11NPSWRD
Date Created: 11/21/98
Location: DEVIL'S KITCHEN
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DK2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" FOR THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	07/31/79-07/31/79	3	3.8	4.367	6.2	3.1	2.643	1.626	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/79-07/31/79	3	3.8	3.498	6.2	3.1	3.776	1.943	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/79-07/31/79	3	158.489	317.816	794.328	0.631	176527.626	420.152	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/31/79-07/31/79	3	0.	12.333	37.	0.	456.333	21.362	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/79-07/31/79	3	13.2	14.2	18.5	10.9	15.19	3.897	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/79-07/31/79	3	7.2	5.967	8.	2.7	8.163	2.857	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/79-07/31/79	3	8.1	9.667	14.9	6.	21.643	4.652	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/79-07/31/79	3	1.3	2.267	4.4	1.1	3.423	1.85	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/79-07/31/79	3	7.	9.667	17.	5.	41.333	6.429	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/79-07/31/79	3	55.	92.667	179.	44.	5620.333	74.969	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/31/79-07/31/79	3	0.27	0.273	0.33	0.22	0.003	0.055	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/31/79-07/31/79	3	72.	92.333	165.	40.	4216.333	64.933	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/31/79-07/31/79	3 ##	50.	233.333	600.	50.	100833.333	317.543	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	3	1300.	4766.667	11700.	1300.	36053333.333	6004.443	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/79-07/31/79	3	50.	60.	110.	20.	2100.	45.826	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	3	660.	2866.667	7600.	340.	16828933.333	4102.308	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/31/79-07/31/79	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/31/79-07/31/79	3	1.45	2.5	5.3	0.75	6.003	2.45	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/31/79-07/31/79	3	0.03	0.05	0.1	0.02	0.002	0.044	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/31/79-07/31/79	2	2150.	2150.	3000.	1300.	1445000.	1202.082	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0159

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	3	0	0.00							3	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00							3	3	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	0	0.00							3	0	0.00			
		Drinking Water	250.	3	0	0.00							3	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00							3	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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: LAVO0160

NPS Station ID: LAVO0160 LAT/LON: 40.441726/-121.435031 Agency: 11NPSWRD Date Created: 11/07/98
Location: HOT SPRINGS CREEK ABOVE DEVIL'S KITCHEN FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_HSCA
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT HOT SPRINGS CREEK ABOUT 50 FEET BELOW THE FALLS ABOVE DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION LOCATION DESCRIPTION AND DISCUSSION WITH LASSEN VOLCANIC NATIONAL PARK PERSONNEL. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/27/89-07/27/89	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/27/89-07/27/89	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/27/89-07/27/89	1	110.	110.	110.	110.	0.	0.	**	**	**	**

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

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

Station Inventory for Station: LAVO0161

NPS Station ID: LAVO0161 LAT/LON: 40.441753/-121.435005 Agency: 11NPSWRD Date Created: 11/07/98
Location: DK #1 AT HOT SPRINGS CK BELOW DEVIL'S KITCHEN FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_1DK
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE DK#1 IS AT HOT SPRINGS CREEK ABOVE DEVIL'S KITCHEN 30 METERS BELOW THE FALLS IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0161

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/10/86-06/08/88	3	9.	9.333	12.	7.	6.333	2.517	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	11/10/86-06/08/88	3	17.5	16.	24.	6.5	78.25	8.846	**	**	**	**

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

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

Station Inventory for Station: LAVO0162

NPS Station ID: LAVO0162 LAT/LON: 40.448892/-121.435005 Agency: 11NPSWRD Date Created: 11/21/98
Location: BRANCHES COVERING TOP OF SPRING DEVIL'S KITCHEN FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_DKB
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT DEVIL'S KITCHEN WHERE BRANCHES ARE COVERING THE TOP OF SPRING IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/31/79-07/31/79	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/31/79-07/31/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/31/79-07/31/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/31/79-07/31/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/79-07/31/79	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/31/79-07/31/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/31/79-07/31/79	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/31/79-07/31/79	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/31/79-07/31/79	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/31/79-07/31/79	1	14.7	14.7	14.7	14.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/31/79-07/31/79	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/31/79-07/31/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/31/79-07/31/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/31/79-07/31/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/31/79-07/31/79	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/31/79-07/31/79	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/31/79-07/31/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/31/79-07/31/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	1	410.	410.	410.	410.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/79-07/31/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	1	730.	730.	730.	730.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/31/79-07/31/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/31/79-07/31/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/31/79-07/31/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0162

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0163

NPS Station ID: LAVO0163 LAT/LON: 40.448337/-121.435282 Agency: 11NPSWRD Date Created: 11/21/98
Location: BEYOND UNNAMED SPRING NEAR DEVIL'S KITCHEN FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_DKNW
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS WHERE THE NORTHWEST HILL SLOPES 200 METERS BEYOND THE UNNAMED SPRING NEAR HOT CREEK AT DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/75-07/17/75	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/17/75-07/31/79	2	6.5	6.5	6.9	6.1	0.32	0.566	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/17/75-07/31/79	2	6.337	6.337	6.9	6.1	0.373	0.611	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/75-07/31/79	2	0.46	0.46	0.794	0.126	0.223	0.473	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/17/75-07/17/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/17/75-07/17/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/75-07/17/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/17/75-07/31/79	2	42.5	42.5	46.	39.	24.5	4.95	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/75-07/31/79	2	7.65	7.65	9.2	6.1	4.805	2.192	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/75-07/31/79	2	1.15	1.15	1.4	0.9	0.125	0.354	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/75-07/31/79	2	29.35	29.35	35.2	23.5	68.445	8.273	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/75-07/31/79	2	4.15	4.15	4.4	3.9	0.125	0.354	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/75-07/31/79	2 ##	5.625	5.625	11.	0.25	57.781	7.601	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/75-07/31/79	2	53.	53.	64.	42.	242.	15.556	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/75-07/31/79	2	0.34	0.34	0.37	0.31	0.002	0.042	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/75-07/31/79	2	140.	140.	166.	114.	1352.	36.77	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/17/75-07/31/79	2	1100.	1100.	1500.	700.	320000.	565.685	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/31/79-07/31/79	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/31/79-07/31/79	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	07/31/79-07/31/79	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/17/75-07/31/79	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/17/75-07/31/79	2	1.57	1.57	2.6	0.54	2.122	1.457	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/31/79-07/31/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0163

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50							2	1	0.50			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
		Drinking Water	250.	2	0	0.00							2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0164

NPS Station ID: LAVO0164 LAT/LON: 40.441920/-121.435420 Agency: 11NPSWRD Date Created: 11/07/98
Location: 20 METERS ABOVE FALLS IN DEVIL'S KITCHEN FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_DKAF1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020121 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED 20 METERS ABOVE THE FALLS IN DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0164

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/13/93-10/13/93	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/13/93-10/13/93	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

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

Station Inventory for Station: LAVO0165

NPS Station ID: LAVO0165 | LAT/LON: 40.441920/-121.435587 | Agency: 11NPSWRD | Date Created: 11/07/98
Location: 30 METERS ABOVE DEVIL'S KITCHEN FALLS | FIPS State/County: 06063 CALIFORNIA/PLUMAS
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): LAVO_USGS_DKAF2
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED 30 METERS ABOVE THE FALLS IN DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/02/94-06/02/94	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/02/94-06/02/94	1	18.5	18.5	18.5	18.5	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: LAVO0166

NPS Station ID: LAVO0166 LAT/LON: 40.482504/-121.436948 Agency: 112WRD Date Created: 12/19/81
Location: CASCADE SPRINGS NR MANZANITA LAKE CA FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 402857121261300
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020003 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/81-09/09/81	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/30/81-06/30/81	1	590.	590.	590.	590.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/30/81-09/09/81	2	1.4	1.4	2.	0.8	0.72	0.849	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/30/81-09/09/81	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/81-09/09/81	2	54.5	54.5	57.	52.	12.5	3.536	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/30/81-09/09/81	2	10.5	10.5	10.6	10.4	0.02	0.141	**	**	**	**
00400	PH (STANDARD UNITS)	06/30/81-09/09/81	2	7.1	7.1	7.5	6.7	0.32	0.566	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/30/81-09/09/81	2	6.937	6.937	7.5	6.7	0.373	0.611	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/81-09/09/81	2	0.116	0.116	0.2	0.032	0.014	0.119	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/81-09/09/81	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/81-09/09/81	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/81-09/09/81	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/81-09/09/81	2	27.5	27.5	28.	27.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/30/81-06/30/81	1	0.73	0.73	0.73	0.73	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	2	0.5	0.5	0.67	0.33	0.058	0.24	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/30/81-09/09/81	2	0.39	0.39	0.64	0.14	0.125	0.354	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	2	0.34	0.34	0.57	0.11	0.106	0.325	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	2	0.115	0.115	0.19	0.04	0.011	0.106	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-09/09/81	2	0.055	0.055	0.08	0.03	0.001	0.035	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	2	0.455	0.455	0.61	0.3	0.048	0.219	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/30/81-09/09/81	2	0.03	0.03	0.06	0.	0.002	0.042	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/30/81-09/09/81	2	0.445	0.445	0.67	0.22	0.101	0.318	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/30/81-09/09/81	2 ##	0.053	0.053	0.06	0.045	0.	0.011	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/30/81-09/09/81	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/81-09/09/81	2	0.03	0.03	0.04	0.02	0.	0.014	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/30/81-09/09/81	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/30/81-09/09/81	2 ##	0.375	0.375	0.7	0.05	0.211	0.46	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-09/09/81	2	24.5	24.5	25.	24.	0.5	0.707	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/30/81-09/09/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/30/81-09/09/81	2	6.1	6.1	6.4	5.8	0.18	0.424	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/30/81-09/09/81	2	2.25	2.25	2.3	2.2	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/30/81-09/09/81	2	2.05	2.05	2.3	1.8	0.125	0.354	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/30/81-09/09/81	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/30/81-09/09/81	2	15.	15.	17.	13.	8.	2.828	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/30/81-09/09/81	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/30/81-09/09/81	2	1.65	1.65	3.	0.3	3.645	1.909	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/81-09/09/81	2 ##	1.45	1.45	2.5	0.4	2.205	1.485	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/30/81-09/09/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/30/81-09/09/81	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-09/09/81	2	46.	46.	49.	43.	18.	4.243	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/30/81-09/09/81	2	34.	34.	47.	21.	338.	18.385	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/30/81-09/09/81	2	0.145	0.145	0.24	0.05	0.018	0.134	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/30/81-09/09/81	2	0.09	0.09	0.12	0.06	0.002	0.042	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/30/81-06/30/81	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/30/81-06/30/81	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: LAVO0166

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
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			
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			

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

Station Inventory for Station: LAVO0167

NPS Station ID: LAVO0167 | LAT/LON: 40.398615/-121.440003 | Agency: 21CAL-1 | Date Created: 08/27/76
Location: RICE C N ARM NR CHESTER | | FIPS State/County: 06063 CALIFORNIA/PLUMAS |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): A5380201 /5184437 |
RMI-Indexes: | | Within Park Boundary: No |
RMI-Miles: | | |
HUC: 18020121 | Depth of Water: 0 | Aquifer: |
Major Basin: SACRAMENTO RIVER BASIN | Elevation: 0 | Water Body Id: |
Minor Basin: FEATHER RIVER | | ECO Region: |
RF1 Index: 18020121024 | RF1 Mile Point: 12.340 | Distance from RF1: 0.00 | On/Off RF1: OFF
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 7; AREAL CODE: ; BEGINNING OF RECORD: 1068; ELEVATION: 6000 ;
STATION NAME: RICE C N ARM NR CHESTER ; DWR COUNTY CODE: 32; LATITUDE: 402355; LONGITUDE: 1212624;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 29N, RANGE 05, SECTION 05JBASE M;
USGS QUADRANGLE NUMBER: 625 6;5DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	10/24/68-10/24/68	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/24/68-10/24/68	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/24/68-10/24/68	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/68-10/24/68	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/68-10/24/68	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/68-10/24/68	1	100.	100.	100.	100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0167

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									

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

Station Inventory for Station: LAVO0168

NPS Station ID: LAVO0168
LAT/LON: 40.447504/-121.441670
Agency: 11NPSWRD
Date Created: 11/21/98
Location: LOWEST SPRING IN DEVIL'S KITCHEN
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DKLS
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE LOWEST SPRING IN DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0168

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/01/76	2	72.	72.	73.	71.	2.	1.414	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-09/01/76	2	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/01/76	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-09/01/76	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/01/76	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/01/76	2	5.8	5.8	6.	5.6	0.08	0.283	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-09/01/76	2	5.755	5.755	6.	5.6	0.084	0.29	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/01/76	2	1.756	1.756	2.512	1.	1.143	1.069	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/01/76	2	226.5	226.5	234.	219.	112.5	10.607	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/01/76	2	16.6	16.6	21.	12.2	38.72	6.223	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/01/76	2	11.95	11.95	13.2	10.7	3.125	1.768	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/01/76	2	34.	34.	34.	34.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/01/76	2	18.2	18.2	19.	17.4	1.28	1.131	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/01/76	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/01/76	2	22.	22.	26.	18.	32.	5.657	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/01/76	2	0.25	0.25	0.32	0.18	0.01	0.099	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/01/76-09/01/76	1	183.	183.	183.	183.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/01/76	2	1900.	1900.	2400.	1400.	500000.	707.107	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/01/76-09/01/76	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/76-09/01/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	09/01/76-09/01/76	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/01/76	2	40.	40.	40.	40.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/01/76-09/01/76	1	150.	150.	150.	150.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0168

Parameter				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: LAVO0169

NPS Station ID: LAVO0169
LAT/LON: 40.446948/-121.441949
Agency: 11NPSWRD
Date Created: 11/21/98
Location: DEVIL'S KITCHEN
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DK1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" FOR THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/76-09/01/76	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/01/76-09/01/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/01/76-09/01/76	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/01/76-09/01/76	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/76-09/01/76	1	501.187	501.187	501.187	501.187	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/01/76-09/01/76	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/01/76-09/01/76	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/01/76-09/01/76	1	3162.278	3162.278	3162.278	3162.278	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/01/76-09/01/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/01/76-09/01/76	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/01/76-09/01/76	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/01/76-09/01/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/01/76-09/01/76	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/01/76-09/01/76	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/01/76-09/01/76	1	226.	226.	226.	226.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/01/76-09/01/76	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/01/76-09/01/76	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/01/76-09/01/76	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/01/76-09/01/76	1	6100.	6100.	6100.	6100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/76-09/01/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/01/76-09/01/76	1	15.	15.	15.	15.	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	09/01/76-09/01/76	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0169

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0170

NPS Station ID: LAVO0170
LAT/LON: 40.446948/-121.443059
Agency: 11NPSWRD
Date Created: 11/21/98
Location: LARGE FUMAROLE AT DEVIL'S KITCHEN
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_DKF
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LARGE FUMAROLE 25 METERS FROM THE CENTER NEAR THE BRIDGE AT DEVIL'S KITCHEN IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/75-07/17/75	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/17/75-07/17/75	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/17/75-07/17/75	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/17/75-07/17/75	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/75-07/17/75	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/17/75-07/17/75	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/17/75-07/17/75	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/75-07/17/75	1	12589.254	12589.254	12589.254	12589.254	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/17/75-07/17/75	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/75-07/17/75	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/75-07/17/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/75-07/17/75	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/75-07/17/75	1	13.2	13.2	13.2	13.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/75-07/17/75	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/75-07/17/75	1	237.	237.	237.	237.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/75-07/17/75	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/75-07/17/75	1	213.	213.	213.	213.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/17/75-07/17/75	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/17/75-07/17/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/17/75-07/17/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/17/75-07/17/75	1	400.	400.	400.	400.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0170

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0171

NPS Station ID: LAVO0171
LAT/LON: 40.509699/-121.464670
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Hat Creek Discharge near Hat Street Bridge
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_NPS_HAT-1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 6350
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the West Prospect Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located on Hat Creek at the downstream edge of the Hat Creek Bridge. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/13/89-04/13/89	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/13/89-04/13/89	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	04/13/89-04/13/89	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/13/89-04/13/89	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	04/13/89-04/13/89	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

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

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

Station Inventory for Station: LAVO0172

NPS Station ID: LAVO0172
LAT/LON: 40.509448/-121.464727
Agency: 112WRD
Date Created: 12/19/81
Location: WF HAT C AT HWY 89 NR MANZANITA LAKE CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 403034121275300
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/81-09/11/81	2	10.5	10.5	13.	8.	12.5	3.536	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/81-06/24/81	1	607.	607.	607.	607.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/81-09/11/81	2	14.5	14.5	16.	13.	4.5	2.121	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/81-09/11/81	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/81-09/11/81	2	117.5	117.5	131.	104.	364.5	19.092	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/81-09/11/81	2	9.35	9.35	10.2	8.5	1.445	1.202	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/81-09/11/81	2	7.5	7.5	7.7	7.3	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/81-09/11/81	2	7.455	7.455	7.7	7.3	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/81-09/11/81	2	0.035	0.035	0.05	0.02	0.	0.021	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/24/81-09/11/81	2	7.7	7.7	7.8	7.6	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/81-09/11/81	2	7.689	7.689	7.8	7.6	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/81-09/11/81	2	0.02	0.02	0.025	0.016	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/81-09/11/81	2	59.	59.	63.	55.	32.	5.657	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/24/81-09/11/81	2	0.495	0.495	0.58	0.41	0.014	0.12	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/24/81-09/11/81	2	0.42	0.42	0.51	0.33	0.016	0.127	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/81-09/11/81	2	0.06	0.06	0.07	0.05	0.	0.014	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/81-09/11/81	2 ##	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/24/81-09/11/81	2	0.48	0.48	0.56	0.4	0.013	0.113	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/24/81-09/11/81	2	0.02	0.02	0.04	0.	0.001	0.028	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/24/81-09/11/81	2	0.465	0.465	0.6	0.33	0.036	0.191	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/81-09/11/81	2 ##	0.033	0.033	0.045	0.02	0.	0.018	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/81-09/11/81	2 ##	0.033	0.033	0.045	0.02	0.	0.018	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/81-09/11/81	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/24/81-09/11/81	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/24/81-09/11/81	2	7.05	7.05	11.	3.1	31.205	5.586	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/81-09/11/81	2	49.	49.	55.	43.	72.	8.485	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/81-09/11/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/81-09/11/81	2	10.	10.	11.	9.	2.	1.414	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/81-09/11/81	2	5.85	5.85	6.7	5.	1.445	1.202	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/81-09/11/81	2	4.6	4.6	4.7	4.5	0.02	0.141	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/24/81-09/11/81	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/24/81-09/11/81	2	16.5	16.5	18.	15.	4.5	2.121	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/81-09/11/81	2	2.1	2.1	2.3	1.9	0.08	0.283	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/81-09/11/81	2	0.4	0.4	0.7	0.1	0.18	0.424	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/81-09/11/81	2 ##	1.55	1.55	2.5	0.6	1.805	1.344	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/81-09/11/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/81-09/11/81	2	43.5	43.5	47.	40.	24.5	4.95	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/81-09/11/81	2	103.	103.	114.	92.	242.	15.556	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/81-09/11/81	2	69.	69.	94.	44.	1250.	35.355	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/24/81-09/11/81	2	3.985	3.985	4.	3.97	0.	0.021	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/24/81-09/11/81	2	0.145	0.145	0.16	0.13	0.	0.021	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/24/81-09/11/81	2	0.075	0.075	0.09	0.06	0.	0.021	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/24/81-09/11/81	2	0.105	0.105	0.12	0.09	0.	0.021	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/24/81-06/24/81	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/24/81-06/24/81	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0172

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
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			
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			

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

Station Inventory for Station: LAVO0173

NPS Station ID: LAVO0173 | LAT/LON: 40.509726/-121.465281 | Agency: 21CAL-1 | Date Created: 05/03/80
Location: HAT C WF NR MANZANITA LK | | FIPS State/County: 06089 CALIFORNIA/SHASTA |
Station Type: /TYPA/AMBNT/STREAM | | STORET Station ID(s): A1689500 |
RMI-Indexes: | | Within Park Boundary: Yes |
RMI-Miles: | | | |
HUC: 18020003 | Depth of Water: 0 | Aquifer: | |
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id: | |
Minor Basin: SACRAMENTO RIVER | | ECO Region: | |
RF1 Index: 18020003 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1: |
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3: |
Description:
SURFACE WATER STATION; DATA MANAGER CODE: 5; AREAL CODE: ; BEGINNING OF RECORD: . ; ELEVATION: 6500 ;
STATION NAME: HAT C WF NR MANZANITA LK ; DWR COUNTY CODE: 45; LATITUDE: 403035; LONGITUDE: 1212755;
CALIFORNIA COORDINATES: NORTH , EAST , ZONE ;
PUBLIC LAND SURVEY LOCATION: TOWNSHIP 31N, RANGE 04, SECTION 25HBASE M;
USGS QUADRANGLE NUMBER: 643 6;3DRAINAGE AREA: ; GROUND WATER BASIN: ; NEAREST GAGE: ;
AGENCY-1: , ACODE ; AGENCY-2: , A2CODE ;
REMARKS:

Parameter Inventory for Station: LAVO0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/28/56-07/28/56	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/28/56-07/28/56	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/28/56-07/28/56	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/28/56-07/28/56	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/28/56-07/28/56	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/28/56-07/28/56	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/28/56-07/28/56	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/28/56-07/28/56	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/28/56-07/28/56	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/28/56-07/28/56	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/28/56-07/28/56	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/28/56-07/28/56	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/28/56-07/28/56	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/28/56-07/28/56	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/28/56-07/28/56	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/28/56-07/28/56	1	60.	60.	60.	60.	0.	0.	**	**	**	**
39036	ALKALINITY,FILTERED SAMPLE AS CACO3 MG/L	07/28/56-07/28/56	1	48.	48.	48.	48.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/28/56-07/28/56	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: LAVO0173

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0174

NPS Station ID: LAVO0174
LAT/LON: 40.459892/-121.466560
Agency: 11NPSWRD
Date Created: 12/19/98
Location: KING CREEK NEAR CAMPGROUND
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_KC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE READING PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT KING CREEK APPROXIMATELY ONE-QUARTER MILE EAST OF KING CREEK CAMPGROUND IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE DATA COME FROM A USGS SUMMARY OF A BRIEF FIELD SURVEY OF LASSEN VOLCANIC NATIONAL PARK MADE IN AUGUST 1973 BY E.J. MCCLELLAND OF THE SACRAMENTO USGS OFFICE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE TOWNSHIP AND RANGE DESCRIPTION AND THE BEST APPROXIMATION AT A WATER BODY IN THAT SECTION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WRD; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/26/73-11/26/73	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/26/73-11/26/73	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/26/73-11/26/73	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/26/73-11/26/73	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/26/73-11/26/73	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/26/73-11/26/73	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	11/26/73-11/26/73	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	11/26/73-11/26/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/26/73-11/26/73	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/26/73-11/26/73	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/26/73-11/26/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/26/73-11/26/73	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/26/73-11/26/73	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/26/73-11/26/73	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	11/26/73-11/26/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	11/26/73-11/26/73	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/26/73-11/26/73	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/26/73-11/26/73	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	11/26/73-11/26/73	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0174

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/26/73-11/26/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/26/73-11/26/73	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	11/26/73-11/26/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/26/73-11/26/73	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/26/73-11/26/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/26/73-11/26/73	1	52.	52.	52.	52.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/26/73-11/26/73	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: LAVO0174

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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: LAVO0175

NPS Station ID: LAVO0175 LAT/LON: 40.613892/-121.466393 Agency: 112WRD Date Created: 12/19/81
Location: HAT C A TWIN BRIDGES RD NR OLD STATION CA FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 403650121275900
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020003 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020003 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/81-06/24/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/81-06/24/81	1	642.	642.	642.	642.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/81-06/24/81	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/81-06/24/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/81-06/24/81	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/81-06/24/81	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/81-06/24/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/81-06/24/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/81-06/24/81	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/24/81-06/24/81	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/81-06/24/81	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/81-06/24/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/81-06/24/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/24/81-06/24/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/24/81-06/24/81	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/81-06/24/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/81-06/24/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/81-06/24/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/24/81-06/24/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/24/81-06/24/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/81-06/24/81	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/81-06/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/81-06/24/81	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/81-06/24/81	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/81-06/24/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/24/81-06/24/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/24/81-06/24/81	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/81-06/24/81	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/81-06/24/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/81-06/24/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/81-06/24/81	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: LAVO0175

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/81-06/24/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/81-06/24/81	1	69.	69.	69.	69.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/81-06/24/81	1	70.	70.	70.	70.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/24/81-06/24/81	1	3.35	3.35	3.35	3.35	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/24/81-06/24/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/24/81-06/24/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/24/81-06/24/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/24/81-06/24/81	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/24/81-06/24/81	1	0.8	0.8	0.8	0.8	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: LAVO0175

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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.	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: LAVO0176

NPS Station ID: LAVO0176
LAT/LON: 40.495837/-121.468060
Agency: 12WLS1
Date Created: 09/03/88
Location: SHADOW LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A3-054
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 75
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0176

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	1	13.95	13.95	13.95	13.95	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.226	0.226	0.226	0.226	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	17.2	17.2	17.2	17.2	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	23.	23.	23.	23.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.076	0.076	0.076	0.076	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	7644.66	7644.66	7644.66	7644.66	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	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: LAVO0176

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	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: LAVO0176

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0177

NPS Station ID: LAVO0177 LAT/LON: 40.615837/-121.469449 Agency: 112WRD Date Created: 12/19/81
Location: LOST C A TWIN BRIDGES RD NR OLD STATION CA FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 403657121281000
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020003 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020003 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/81-06/24/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/24/81-06/24/81	1	643.	643.	643.	643.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/81-06/24/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/81-06/24/81	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/81-06/24/81	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/81-06/24/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/81-06/24/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/81-06/24/81	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/81-06/24/81	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/24/81-06/24/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/81-06/24/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/81-06/24/81	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/81-06/24/81	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/24/81-06/24/81	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/24/81-06/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/24/81-06/24/81	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/81-06/24/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/81-06/24/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/81-06/24/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/24/81-06/24/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/24/81-06/24/81	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/81-06/24/81	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/81-06/24/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/81-06/24/81	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/81-06/24/81	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/81-06/24/81	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/24/81-06/24/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/24/81-06/24/81	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/81-06/24/81	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/81-06/24/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/81-06/24/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/81-06/24/81	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: LAVO0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/81-06/24/81	1	38.	38.	38.	38.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/24/81-06/24/81	1	103.	103.	103.	103.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/81-06/24/81	1	92.	92.	92.	92.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/24/81-06/24/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/24/81-06/24/81	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/24/81-06/24/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/24/81-06/24/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/24/81-06/24/81	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/24/81-06/24/81	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0177

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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.	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: LAVO0178

NPS Station ID: LAVO0178
LAT/LON: 40.343615/-121.469449
Agency: 11NPSWRD
Date Created: 11/21/98
Location: NORTH SIDE WILSON LAKE ROAD
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_CSWL
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE CHILDS MEADOWS 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A STREAM AT THE NORTH SIDE OF WILSON LAKE ROAD NEAR CHILDS MEADOW OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0178

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/24/79-08/24/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/24/79-08/24/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	138.	138.	138.	138.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	11.6	11.6	11.6	11.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0178

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0179

NPS Station ID: LAVO0179
LAT/LON: 40.334726/-121.473337
Agency: 21CAL-1
Date Created: 04/26/86
Location: GURNSEY C NR CHILDS MEADOWS
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): A4318500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER BASIN
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
GURNSEY C NR CHILDS MEADOWS

Parameter Inventory for Station: LAVO0179

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

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

Station Inventory for Station: LAVO0180

NPS Station ID: LAVO0180 LAT/LON: 40.523059/-121.479171 Agency: 112WRD Date Created: 12/19/81
Location: OLD BOUNDARY SPRINGS NR MANZANITA LAKE CA FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 403123121284500
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020003 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/81-09/09/81	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/30/81-06/30/81	1	610.	610.	610.	610.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/30/81-09/09/81	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/30/81-09/09/81	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/81-09/09/81	2	92.	92.	93.	91.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/30/81-09/09/81	2	8.1	8.1	8.2	8.	0.02	0.141	**	**	**	**
00400	PH (STANDARD UNITS)	06/30/81-09/09/81	2	6.6	6.6	6.8	6.4	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/30/81-09/09/81	2	6.555	6.555	6.8	6.4	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/81-09/09/81	2	0.278	0.278	0.398	0.158	0.029	0.169	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/81-09/09/81	2	6.6	6.6	6.7	6.5	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/81-09/09/81	2	6.589	6.589	6.7	6.5	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/81-09/09/81	2	0.258	0.258	0.316	0.2	0.007	0.083	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/81-09/09/81	2	42.5	42.5	43.	42.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/30/81-09/09/81	2	0.95	0.95	1.3	0.6	0.245	0.495	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.83	0.83	0.83	0.83	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/30/81-09/09/81	2	0.62	0.62	0.98	0.26	0.259	0.509	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	2	0.085	0.085	0.12	0.05	0.002	0.049	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-09/09/81	2	0.065	0.065	0.11	0.02	0.004	0.064	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/30/81-09/09/81	2 ##	0.305	0.305	0.5	0.11	0.076	0.276	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/30/81-06/30/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/30/81-09/09/81	2	0.685	0.685	1.	0.37	0.198	0.445	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/30/81-09/09/81	2	0.285	0.285	0.34	0.23	0.006	0.078	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/30/81-09/09/81	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/81-09/09/81	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/30/81-09/09/81	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/30/81-09/09/81	2 ##	1.375	1.375	2.7	0.05	3.511	1.874	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-09/09/81	2	33.5	33.5	34.	33.	0.5	0.707	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/30/81-09/09/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/30/81-09/09/81	2	9.7	9.7	9.8	9.6	0.02	0.141	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/30/81-09/09/81	2	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/30/81-09/09/81	2	5.35	5.35	5.7	5.	0.245	0.495	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/30/81-09/09/81	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/30/81-09/09/81	2	24.	24.	25.	23.	2.	1.414	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/30/81-09/09/81	2	2.1	2.1	2.2	2.	0.02	0.141	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/30/81-09/09/81	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/81-09/09/81	2 ##	1.55	1.55	2.5	0.6	1.805	1.344	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/30/81-09/09/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/30/81-09/09/81	2	51.	51.	51.	51.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-09/09/81	2	98.	98.	99.	97.	2.	1.414	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/30/81-09/09/81	2	102.5	102.5	105.	100.	12.5	3.536	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/30/81-09/09/81	2	0.105	0.105	0.15	0.06	0.004	0.064	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/30/81-09/09/81	2	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/30/81-09/09/81	2	4.3	4.3	5.9	2.7	5.12	2.263	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/30/81-06/30/81	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: LAVO0180

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50	1	1	1.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50	1	0	0.00				1	1	1.00			
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			
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			

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

Station Inventory for Station: LAVO0181

NPS Station ID: LAVO0181
LAT/LON: 40.463337/-121.479727
Agency: 112WRD
Date Created: 12/19/81
Location: KINGS SPRINGS NR MINERAL CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 402748121284700
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/81-06/30/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/30/81-06/30/81	1	583.	583.	583.	583.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/30/81-06/30/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/30/81-06/30/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/81-06/30/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/30/81-06/30/81	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/30/81-06/30/81	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/30/81-06/30/81	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/81-06/30/81	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/81-06/30/81	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/81-06/30/81	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/81-06/30/81	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/81-06/30/81	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/30/81-06/30/81	1	0.62	0.62	0.62	0.62	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/30/81-06/30/81	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-06/30/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/30/81-06/30/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/30/81-06/30/81	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/30/81-06/30/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/30/81-06/30/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/81-06/30/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/30/81-06/30/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/30/81-06/30/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-06/30/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/30/81-06/30/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/30/81-06/30/81	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/30/81-06/30/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/30/81-06/30/81	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/30/81-06/30/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/30/81-06/30/81	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/30/81-06/30/81	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/30/81-06/30/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/81-06/30/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/30/81-06/30/81	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: LAVO0181

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/30/81-06/30/81	1	31.	31.	31.	31.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-06/30/81	1	42.	42.	42.	42.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/30/81-06/30/81	1	48.	48.	48.	48.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/30/81-06/30/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/30/81-06/30/81	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/30/81-06/30/81	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/30/81-06/30/81	1	0.8	0.8	0.8	0.8	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: LAVO0181

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0182

NPS Station ID: LAVO0182
LAT/LON: 40.456003/-121.482531
Agency: 11NPSWRD
Date Created: 06/13/98
Location: Small Gas Pool South Side Boiling Lake
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_GP
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 7420
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located on the Reading Peak California 7.5 Minute Series (Topographic) Quadrangle. The site is at Cold Boiling Lake in Lassen Volcanic National Park. The station is located at the small gas pool on the south side of Cold Boiling Lake. The data for this station come from an unidentified report from Lassen Volcanic National Park. All samples were assumed to have been collected in the field. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/93-09/29/93	8	13.2	13.2	13.3	13.1	0.006	0.076	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/93-09/29/93	8	44.	44.125	45.	44.	0.125	0.354	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/29/93-09/29/93	8	7.15	7.462	9.9	6.8	1.02	1.01	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/29/93-09/29/93	8	80.1	80.113	84.7	76.8	7.158	2.676	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/29/93-09/29/93	8	4.555	4.554	4.57	4.54	0.	0.011	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/29/93-09/29/93	8	4.555	4.554	4.57	4.54	0.	0.011	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/29/93-09/29/93	8	27.863	27.949	28.84	26.915	0.466	0.683	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/29/93-09/29/93	8	28.	28.125	29.	28.	0.125	0.354	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0182

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	8	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	8	0	0.00	8	0	0.00									
		Other-Lo Lim.	6.5	8	8	1.00	8	8	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: LAVO0183

NPS Station ID: LAVO0183
LAT/LON: 40.456476/-121.483142
Agency: 11NPSWRD
Date Created: 06/13/98
Location: Cold Boiling Lake Near Outlet
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_CBLNO
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 7420
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located on the Reading Peak California 7.5 Minute Series (Topographic) Quadrangle. The site is at Cold Boiling Lake in Lassen Volcanic National Park. The station is located near the outlet of Cold Boiling Lake. The data for this station come from an unidentified report from Lassen Volcanic National Park. All samples were assumed to have been collected in the field. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic Volcanic National Park; P.O. Box 100; Mineral; CA 96063 Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/93-09/29/93	16	14.5	14.494	14.6	14.4	0.007	0.085	14.4	14.4	14.6	14.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/93-09/29/93	16	27.	27.063	28.	27.	0.063	0.25	27.	27.	27.	27.3
00300	OXYGEN, DISSOLVED MG/L	09/29/93-09/29/93	16	7.9	7.944	8.	7.9	0.003	0.051	7.9	7.9	8.	8.
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/29/93-09/29/93	16	92.2	92.406	93.5	91.7	0.373	0.61	91.7	91.825	92.95	93.36
00406	PH, FIELD, STANDARD UNITS SU	09/29/93-09/29/93	16	6.52	6.472	6.54	6.31	0.009	0.094	6.31	6.375	6.53	6.54
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/29/93-09/29/93	16	6.52	6.462	6.54	6.31	0.009	0.095	6.31	6.375	6.53	6.54
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/29/93-09/29/93	16	0.302	0.345	0.49	0.288	0.007	0.083	0.288	0.295	0.428	0.49
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/29/93-09/29/93	16	17.	17.375	18.	17.	0.25	0.5	17.	17.	18.	18.

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

EPA Water Quality Criteria Analysis for Station: LAVO0183

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	16	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	16	0	0.00	16	0	0.00									
		Other-Lo Lim.	6.5	16	4	0.25	16	4	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: LAVO0184

NPS Station ID: LAVO0184
LAT/LON: 40.447809/-121.487199
Agency: 11NPSWRD
Date Created: 06/13/98
Location: Inlet Stream to Crumbaugh Lake
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_CLIN
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 7220
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located on the Reading Peak California 7.5 Minute Series (Topographic) Quadrangle. The site is at Crumbaugh Lake in Lassen Volcanic National Park. The station is located at the inlet stream to Crumbaugh Lake. The data for this station come from an unidentified report from Lassen Volcanic National Park. All samples were assumed to have been collected in the field. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/93-09/29/93	16	8.55	8.55	9.	8.1	0.092	0.303	8.1	8.3	8.875	8.93
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/93-09/29/93	16	75.	75.	75.	75.	0.	0.	75.	75.	75.	75.
00300	OXYGEN, DISSOLVED MG/L	09/29/93-09/29/93	16	9.5	9.463	9.5	9.4	0.002	0.05	9.4	9.4	9.5	9.5
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/29/93-09/29/93	16	95.9	95.969	96.5	95.4	0.108	0.328	95.47	95.725	96.2	96.43
00406	PH, FIELD, STANDARD UNITS SU	09/29/93-09/29/93	16	7.125	7.123	7.15	7.07	0.001	0.023	7.084	7.11	7.14	7.15
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/29/93-09/29/93	16	7.125	7.123	7.15	7.07	0.001	0.023	7.084	7.11	7.14	7.15
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/29/93-09/29/93	16	0.075	0.075	0.085	0.071	0.	0.004	0.071	0.072	0.078	0.082
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/29/93-09/29/93	16	48.	48.	48.	48.	0.	0.	48.	48.	48.	48.

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

EPA Water Quality Criteria Analysis for Station: LAVO0184

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	16	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	16	0	0.00	16	0	0.00									
		Other-Lo Lim.	6.5	16	0	0.00	16	0	0.00									

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

Station Inventory for Station: LAVO0185

NPS Station ID: LAVO0185 | LAT/LON: 40.447866/-121.488559 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: Crumbaugh Lake Near Center North Shore | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_CL
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 7220 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020121 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located on the Reading Peak California 7.5 Minute Series (Topographic) Quadrangle. The site is at Crumbaugh Lake in Lassen Volcanic National Park. The station is located near the outlet of the lake along the north shore. The data for this station come from an unidentified report from Lassen Volcanic National Park. All samples were assumed to have been collected in the field. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/93-09/24/93	11	12.6	12.555	12.6	12.5	0.003	0.052	12.5	12.5	12.6	12.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/24/93-09/24/93	11	45.	45.	45.	45.	0.	0.	45.	45.	45.	45.
00300	OXYGEN, DISSOLVED MG/L	09/24/93-09/24/93	11	7.	7.082	7.6	6.9	0.036	0.189	6.92	7.	7.1	7.52
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/24/93-09/24/93	11	78.	78.736	84.	76.8	3.803	1.95	76.96	77.8	79.3	83.18
00406	PH, FIELD, STANDARD UNITS SU	09/24/93-09/24/93	11	6.2	6.256	6.55	6.18	0.012	0.111	6.182	6.19	6.3	6.508
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/24/93-09/24/93	11	6.2	6.245	6.55	6.18	0.012	0.111	6.182	6.19	6.3	6.508
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/93-09/24/93	11	0.631	0.568	0.661	0.282	0.014	0.117	0.317	0.501	0.646	0.658
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/24/93-09/24/93	11	29.	29.	29.	29.	0.	0.	29.	29.	29.	29.

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

EPA Water Quality Criteria Analysis for Station: LAVO0185

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	11	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	11	0	0.00	11	0	0.00									
		Other-Lo Lim.	6.5	11	10	0.91	11	10	0.91									

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

Station Inventory for Station: LAVO0186

NPS Station ID: LAVO0186
LAT/LON: 40.446337/-121.488420
Agency: 11NPSWRD
Date Created: 06/13/98
Location: Outlet to Crumbaugh Lake
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_CLO
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 7220
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located on the Reading Peak California 7.5 Minute Series (Topographic) Quadrangle. The site is at Crumbaugh Lake in Lassen Volcanic National Park. The station is located near the outlet of Crumbaugh Lake. The data for this station come from an unidentified report from Lassen Volcanic National Park. All samples were assumed to have been collected in the field. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/24/93-09/24/93	9	10.8	10.778	10.9	10.7	0.007	0.083	10.7	10.7	10.85	10.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/24/93-09/24/93	9	45.	44.889	45.	44.	0.111	0.333	44.	45.	45.	45.
00300	OXYGEN, DISSOLVED MG/L	09/24/93-09/24/93	9	6.1	6.144	6.2	6.1	0.003	0.053	6.1	6.1	6.2	6.2
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/24/93-09/24/93	9	65.5	65.633	66.2	65.2	0.165	0.406	65.2	65.25	66.1	66.2
00406	PH, FIELD, STANDARD UNITS SU	09/24/93-09/24/93	9	5.86	5.861	5.87	5.86	0.	0.003	5.86	5.86	5.86	5.87
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/24/93-09/24/93	9	5.86	5.861	5.87	5.86	0.	0.003	5.86	5.86	5.86	5.87
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/93-09/24/93	9	1.38	1.377	1.38	1.349	0.	0.01	1.349	1.38	1.38	1.38
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/24/93-09/24/93	9	29.	28.778	29.	28.	0.194	0.441	28.	28.5	29.	29.

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

EPA Water Quality Criteria Analysis for Station: LAVO0186

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	9	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	9	0	0.00	9	0	0.00									
		Other-Lo Lim.	6.5	9	9	1.00	9	9	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: LAVO0187

NPS Station ID: LAVO0187
LAT/LON: 40.447226/-121.489142
Agency: 11NPSWRD
Date Created: 06/13/98
Location: CRUMBAUGH LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_CRUMBL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 7210
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Reading Peak CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of General Ecological Conditions in a Group of Lakes in Lassen National Park 1960." All measurements are assumed to have been taken in the field. Crumbaugh Lake has a single inlet feeding the lake from the northwest side. The stream flows from Cold Boiling Lake located abouta a half mile away. The outlet is located at the south end of the lake. Crumbaugh Lake has a maximum depth of 21 feet. For further information regarding Lassen Volcanic National Park contact Natural Resources Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0187

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	08/12/60-08/12/60	8	66.	66.75	70.	66.	2.214	1.488	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/12/60-08/12/60	6	6.4	6.45	6.7	6.2	0.043	0.207	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	08/12/60-08/12/60	4	4.	4.	4.	4.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/12/60-08/12/60	8 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/12/60-08/12/60	8 ##	3.	3.	3.	3.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/12/60-08/12/60	8 ##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	08/12/60-08/12/60	4	4.	4.	4.	4.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	08/12/60-08/12/60	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

EPA Water Quality Criteria Analysis for Station: LAVO0187

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00							6	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	8	0	0.00							8	0	0.00			
		Other-Lo Lim.	6.5	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: LAVO0188

NPS Station ID: LAVO0188
LAT/LON: 40.447837/-121.489754
Agency: 11NPSWRD
Date Created: 06/13/98
Location: Crumbaugh Lake Near Inlet
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_CLNI
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020121
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 7220
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020121
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located on the Reading Peak California 7.5 Minute Series (Topographic) Quadrangle. The site is at Crumbaugh Lake in Lassen Volcanic National Park. The station is located near the inlet of Crumbaugh Lake. The data for this station come from an unidentified report from Lassen Volcanic National Park. All samples were assumed to have been collected in the field. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Fort Collins CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0188

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/29/93-09/29/93	16	13.3	13.288	13.3	13.2	0.001	0.034	13.2	13.3	13.3	13.3
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/29/93-09/29/93	16	45.	45.063	46.	45.	0.063	0.25	45.	45.	45.	45.3
00300	OXYGEN, DISSOLVED MG/L	09/29/93-09/29/93	16	7.4	7.35	7.5	7.1	0.016	0.126	7.17	7.225	7.475	7.5
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/29/93-09/29/93	16	83.7	83.344	84.9	80.3	1.949	1.396	81.14	82.175	84.475	84.83
00406	PH, FIELD, STANDARD UNITS SU	09/29/93-09/29/93	16	6.13	6.148	6.28	6.12	0.002	0.047	6.12	6.12	6.155	6.245
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/29/93-09/29/93	16	6.13	6.145	6.28	6.12	0.002	0.047	6.12	6.12	6.155	6.245
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/29/93-09/29/93	16	0.741	0.716	0.759	0.525	0.005	0.07	0.57	0.7	0.759	0.759
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/29/93-09/29/93	16	29.	29.	29.	29.	0.	0.	29.	29.	29.	29.

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

EPA Water Quality Criteria Analysis for Station: LAVO0188

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	16	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	16	0	0.00	16	0	0.00									
		Other-Lo Lim.	6.5	16	16	1.00	16	16	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: LAVO0189

NPS Station ID: LAVO0189
LAT/LON: 40.545837/-121.491671
Agency: 21CAL-3
Date Created: 11/29/86
Location: 45-510 LOST CREEK
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): A45/510-INTAKE
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
DIST 01 LASSEN VOLCANIC NATIONAL PARK

Parameter Inventory for Station: LAVO0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/80-06/30/85	3	89.	90.333	100.	82.	82.333	9.074	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/23/80-06/30/85	3	7.3	7.333	7.7	7.	0.123	0.351	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/23/80-06/30/85	3	7.3	7.246	7.7	7.	0.135	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/23/80-06/30/85	3	0.05	0.057	0.1	0.02	0.002	0.04	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/23/80-08/22/83	2	36.5	36.5	38.	35.	4.5	2.121	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/23/80-06/30/85	3	46.	48.	55.	43.	39.	6.245	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/23/80-06/30/85	3	0.	0.013	0.04	0.	0.001	0.023	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/80-06/30/85	3	35.	34.667	39.	30.	20.333	4.509	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	07/23/80-06/30/85	3	8.8	8.9	10.	7.9	1.11	1.054	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	07/23/80-06/30/85	3	3.	2.867	3.2	2.4	0.173	0.416	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	07/23/80-06/30/85	3	3.5	3.6	4.	3.3	0.13	0.361	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	07/23/80-06/30/85	3	1.4	1.533	2.	1.2	0.173	0.416	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/80-06/30/85	3	0.5	0.867	2.	0.1	1.003	1.002	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/80-06/30/85	3	4.	4.	5.	3.	1.	1.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	07/23/80-06/30/85	3	0.05	0.057	0.12	0.	0.004	0.06	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	07/23/80-06/30/85	3 ##	0.015	0.013	0.025	0.	0.	0.013	**	**	**	**
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	07/23/80-07/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/23/80-07/23/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/23/80	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/23/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/23/80-07/23/80	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/23/80-06/30/85	3	75.	69.	82.	50.	283.	16.823	**	**	**	**
71814	LANGELIER INDEX, CORROSIVITY, WATER, INDEX NUMBER	08/22/83-08/22/83	1	-1.5	-1.5	-1.5	-1.5	0.	0.	**	**	**	**
71830	HYDROXIDE ION (MG/L AS OH)	08/22/83-08/22/83	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	07/23/80-06/30/85	3	0.4	0.3	0.5	0.	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: LAVO0189

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	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.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				2	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	1	0	0.00				2	0	0.00			
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SA	Drinking Water	50.	1	0	0.00							1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00							1	0	0.00			
		Drinking Water	0.2	1	0	0.00							1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00							1	0	0.00			
		Drinking Water	3.	1	0	0.00							1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1	0	0.00							1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00							1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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: LAVO0190

NPS Station ID: LAVO0190
LAT/LON: 40.540004/-121.491948
Agency: 112WRD
Date Created: 12/19/81
Location: LOST C A HWY 89 NR MANZANITA LK CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 403224121293100
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020003
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020003
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/81-09/09/81	2	14.75	14.75	16.5	13.	6.125	2.475	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/24/81-09/09/81	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/24/81-09/09/81	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/24/81-09/09/81	2	85.	85.	86.	84.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/24/81-09/09/81	2	7.75	7.75	7.9	7.6	0.045	0.212	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/81-09/09/81	2	7.2	7.2	7.3	7.1	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/81-09/09/81	2	7.189	7.189	7.3	7.1	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/81-09/09/81	2	0.065	0.065	0.079	0.05	0.	0.021	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/24/81-09/09/81	2	7.45	7.45	7.5	7.4	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/24/81-09/09/81	2	7.447	7.447	7.5	7.4	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/81-09/09/81	2	0.036	0.036	0.04	0.032	0.	0.006	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/24/81-09/09/81	2	40.5	40.5	41.	40.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/24/81-06/24/81	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/24/81-09/09/81	2	0.49	0.49	0.66	0.32	0.058	0.24	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/24/81-09/09/81	2	0.38	0.38	0.47	0.29	0.016	0.127	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/24/81-09/09/81	2	0.375	0.375	0.57	0.18	0.076	0.276	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/24/81-09/09/81	2	0.09	0.09	0.11	0.07	0.001	0.028	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/24/81-09/09/81	2	0.08	0.08	0.12	0.04	0.003	0.057	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/24/81-09/09/81	2	0.465	0.465	0.64	0.29	0.061	0.247	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/24/81-09/09/81	2	0.06	0.06	0.12	0.	0.007	0.085	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/24/81-09/09/81	2	0.46	0.46	0.51	0.41	0.005	0.071	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/24/81-09/09/81	2 ##	0.082	0.082	0.12	0.045	0.003	0.053	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/24/81-09/09/81	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/24/81-09/09/81	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/24/81-09/09/81	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/24/81-09/09/81	2	0.9	0.9	1.5	0.3	0.72	0.849	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/24/81-09/09/81	2	35.	35.	36.	34.	2.	1.414	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/24/81-09/09/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/24/81-09/09/81	2	9.45	9.45	9.7	9.2	0.125	0.354	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/24/81-09/09/81	2	2.7	2.7	2.8	2.6	0.02	0.141	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/24/81-09/09/81	2	4.05	4.05	4.1	4.	0.005	0.071	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/24/81-09/09/81	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/24/81-09/09/81	2	19.5	19.5	20.	19.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/24/81-09/09/81	2	1.5	1.5	1.6	1.4	0.02	0.141	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/24/81-09/09/81	2	1.15	1.15	2.	0.3	1.445	1.202	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/24/81-09/09/81	2 ##	4.25	4.25	6.	2.5	6.125	2.475	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/24/81-09/09/81	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/24/81-09/09/81	2	39.5	39.5	40.	39.	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: LAVO0190

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	06/24/81-09/09/81	2	96.5	96.5	104.	89.	112.5	10.607	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/24/81-09/09/81	2	91.	91.	93.	89.	8.	2.828	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/24/81-09/09/81	2	1.025	1.025	1.18	0.87	0.048	0.219	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/24/81-09/09/81	2	0.13	0.13	0.14	0.12	0.	0.014	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/24/81-09/09/81	2	0.115	0.115	0.14	0.09	0.001	0.035	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/24/81-09/09/81	2	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/24/81-06/24/81	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/24/81-06/24/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0190

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
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			
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			

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

Station Inventory for Station: LAVO0191

NPS Station ID: LAVO0191
LAT/LON: 40.458892/-121.500005
Agency: 11NPSWRD
Date Created: 11/21/98
Location: UNNAMED SPRING AT BUMPASS HELL
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_BHUS2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT BUMPASS HELL IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. THE DATE OF THE SAMPLE COLLECTION FOR THIS STATION IS NOT STATED IN THE REPORT AND HAS BEEN ESTIMATED AS JULY 15 1979 FOR REPORTING PURPOSES. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	07/15/79-07/15/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/15/79-07/15/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/79-07/15/79	1	2511.886	2511.886	2511.886	2511.886	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/15/79-07/15/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/15/79-07/15/79	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/15/79-07/15/79	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/15/79-07/15/79	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/15/79-07/15/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/15/79-07/15/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/15/79-07/15/79	1	340.	340.	340.	340.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/15/79-07/15/79	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/15/79-07/15/79	1	182.	182.	182.	182.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/15/79-07/15/79	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/15/79-07/15/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0191

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
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			

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

Station Inventory for Station: LAVO0192

NPS Station ID: LAVO0192
LAT/LON: 40.457920/-121.501087
Agency: 11NPSWRD
Date Created: 10/03/98
Location: BUMPASS HELL
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_BH
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT BUMPASS HELL IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MUFFLER; NEHRING; TRUESDELL; JANIK; CLYNNE; AND THOMPSON AS PART OF A REPORT TITLED "THE LASSEN GEOTHERMAL SYSTEM" FOR THE USGS FROM THE PROCEEDINGS OF THE 1982 GEOTHERMAL CONFERENCE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. DATES ARE GIVEN AS MONTH AND YEAR IN THE REPORT; SO THE DATES HAVE BEEN ESTIMATED AS THE 15TH OF THE MONTH. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-08/15/79	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/79-08/15/79	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/79-08/15/79	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	6309.573	6309.573	6309.573	6309.573	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/79-08/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/79-08/15/79	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/79-08/15/79	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/79-08/15/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/79-08/15/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/79-08/15/79	1	364.	364.	364.	364.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/79-08/15/79	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/79-08/15/79	1	215.	215.	215.	215.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/79-08/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/79-08/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/79-08/15/79	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/79-08/15/79	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/79-08/15/79	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/79-08/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/79-08/15/79	1	16200.	16200.	16200.	16200.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/79-08/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/79-08/15/79	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/79-08/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/15/79-08/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	08/15/79-08/15/79	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
74073	FLOW LITERS/MIN	08/15/79-08/15/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/79-08/15/79	1	22100.	22100.	22100.	22100.	0.	0.	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	08/15/79-08/15/79	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: LAVO0192

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			--------------n/a--------------		
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	1	1.00	1	1	1.00									
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									
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									

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

Station Inventory for Station: LAVO0193

NPS Station ID: LAVO0193 | LAT/LON: 40.457642/-121.501031 | Agency: 11NPSWRD | Date Created: 12/27/98
Location: WEST PYRITE POOL BUMPASS HELL AREA | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_BHWPP
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020119 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT THE WEST PYRITE POOL AT THE WEST TRIBUTARY AT THE BUMPASS HELL AREA IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA FOR THIS SITE COMES FROM DATA SHEETS COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY (USGS). THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATION OF ALL STATIONS WITHIN THE BUMPASS HELL AREA HAVE BEEN GIVEN IDENTICAL COORDINATES FROM LOCATION INFORMATION FROM THE USGS DATA SHEETS AND THE NATIONAL PARK SERVICE AT LAVO. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/24/89	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-07/24/89	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	07/24/89-07/24/89	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-07/24/89	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/24/89-07/24/89	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/24/89-07/24/89	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/24/89	1 ##	31622.777	31622.777	31622.777	31622.777	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0193

			Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
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	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: LAVO0194

NPS Station ID: LAVO0194 | LAT/LON: 40.457642/-121.501031 | Agency: 11NPSWRD | Date Created: 12/27/98
Location: EAST TRIBUTARY AT BUMPASS HELL AREA | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): LAVO_USGS_BHET
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020119 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT THE EAST TRIBUTARY AT THE BUMPASS HELL AREA IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA FOR THIS SITE COMES FROM DATA SHEETS COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY (USGS). THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATION OF ALL STATIONS WITHIN THE BUMPASS HELL AREA HAVE BEEN GIVEN IDENTICAL COORDINATES FROM LOCATION INFORMATION FROM THE USGS DATA SHEETS AND THE NATIONAL PARK SERVICE AT LAVO. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0194

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/24/89	1	41.	41.	41.	41.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-07/24/89	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	07/24/89-07/24/89	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-07/24/89	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/24/89-07/24/89	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/24/89-07/24/89	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/24/89	1 ##	31622.777	31622.777	31622.777	31622.777	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0194

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
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	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: LAVO0195

NPS Station ID: LAVO0195
LAT/LON: 40.457642/-121.501031
Agency: 11NPSWRD
Date Created: 12/27/98
Location: BUMPASS HELL WEIR
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_BHW
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT THE WEIR AT THE BUMPASS HELL AREA IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA FOR THIS SITE COMES FROM DATA SHEETS COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY (USGS). THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATION OF ALL STATIONS WITHIN THE BUMPASS HELL AREA HAVE BEEN GIVEN IDENTICAL COORDINATES FROM LOCATION INFORMATION FROM THE USGS DATA SHEETS AND THE NATIONAL PARK SERVICE AT LAVO. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/24/89	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-07/24/89	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	07/24/89-07/24/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-07/24/89	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

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

Station Inventory for Station: LAVO0196

NPS Station ID: LAVO0196 LAT/LON: 40.457642/-121.501031 Agency: 11NPSWRD Date Created: 12/27/98
Location: BIG BOILER AT CENTRAL TRIBUTARY AT BUMPASS HELL FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_BHBR
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT THE BIG BOILER AT THE CENTRAL TRIBUTARY AT THE BUMPASS HELL AREA IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA FOR THIS SITE COMES FROM DATA SHEETS COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY (USGS). THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE LOCATION OF ALL STATIONS WITHIN THE BUMPASS HELL AREA HAVE BEEN GIVEN IDENTICAL COORDINATES FROM LOCATION INFORMATION FROM THE USGS DATA SHEETS AND THE NATIONAL PARK SERVICE AT LAVO. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-07/24/89	1 ##	30.5	30.5	30.5	30.5	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-07/24/89	1 ##	13.	13.	13.	13.	0.	0.	**	**	**	**
00055	VELOCITY, STREAM FT/SEC	07/24/89-07/24/89	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-07/24/89	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/24/89-07/24/89	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/24/89-07/24/89	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-07/24/89	1 ##	31622.777	31622.777	31622.777	31622.777	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0196

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
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	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: LAVO0197

NPS Station ID: LAVO0197
LAT/LON: 40.462226/-121.502782
Agency: 11NPSWRD
Date Created: 11/21/98
Location: MAIN AREA COMPOSITE AT BUMPASS HELL
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_BHMA
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE MAIN AREA COMPOSITE AT BUMPASS HELL IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0197

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/79-08/01/79	1	52.5	52.5	52.5	52.5	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/01/79-08/01/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/79-08/01/79	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/79-08/01/79	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/79-08/01/79	1	3981.072	3981.072	3981.072	3981.072	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/79-08/01/79	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/79-08/01/79	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/79-08/01/79	1	7943.282	7943.282	7943.282	7943.282	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/01/79-08/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/79-08/01/79	1	34.5	34.5	34.5	34.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/79-08/01/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/79-08/01/79	1	32.8	32.8	32.8	32.8	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/79-08/01/79	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/79-08/01/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/79-08/01/79	1	547.	547.	547.	547.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/79-08/01/79	1	0.28	0.28	0.28	0.28	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/79-08/01/79	1	236.	236.	236.	236.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/01/79-08/01/79	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/79-08/01/79	1	12000.	12000.	12000.	12000.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/79-08/01/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	1	17600.	17600.	17600.	17600.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/79-08/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	08/01/79-08/01/79	1	10600.	10600.	10600.	10600.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0197

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
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			
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			

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

Station Inventory for Station: LAVO0198

NPS Station ID: LAVO0198
LAT/LON: 40.361948/-121.503616
Agency: 112WRD
Date Created: 12/19/81
Location: MILL C A HWY 89 & 36 NR MILL C CA
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 402143121301300
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/81-09/08/81	2	20.3	20.3	22.6	18.	10.58	3.253	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/22/81-09/08/81	2	34.	34.	48.	20.	392.	19.799	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/22/81-09/08/81	2	1.05	1.05	1.1	1.	0.005	0.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/81-09/08/81	2	279.5	279.5	340.	219.	7320.5	85.56	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/22/81-09/08/81	2	7.6	7.6	7.8	7.4	0.08	0.283	**	**	**	**
00400	PH (STANDARD UNITS)	06/22/81-09/08/81	2	7.55	7.55	7.8	7.3	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/22/81-09/08/81	2	7.482	7.482	7.8	7.3	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/81-09/08/81	2	0.033	0.033	0.05	0.016	0.001	0.024	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/22/81-09/08/81	2	7.7	7.7	8.	7.4	0.18	0.424	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/22/81-09/08/81	2	7.604	7.604	8.	7.4	0.199	0.446	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/81-09/08/81	2	0.025	0.025	0.04	0.01	0.	0.021	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/22/81-09/08/81	2	34.	34.	41.	27.	98.	9.899	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/22/81-09/08/81	2	0.665	0.665	0.82	0.51	0.048	0.219	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/22/81-09/08/81	2	0.61	0.61	0.71	0.51	0.02	0.141	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/22/81-09/08/81	2	0.51	0.51	0.76	0.26	0.125	0.354	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/22/81-09/08/81	2	0.43	0.43	0.57	0.29	0.039	0.198	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/22/81-09/08/81	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/81-09/08/81	2	0.085	0.085	0.13	0.04	0.004	0.064	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/22/81-09/08/81	2	0.53	0.53	0.67	0.39	0.039	0.198	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/22/81-09/08/81	2	0.065	0.065	0.13	0.	0.008	0.092	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/22/81-09/08/81	2	0.595	0.595	0.8	0.39	0.084	0.29	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/22/81-09/08/81	2	0.07	0.07	0.12	0.02	0.005	0.071	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/22/81-09/08/81	2	0.07	0.07	0.1	0.04	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/22/81-09/08/81	2	0.05	0.05	0.06	0.04	0.	0.014	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/22/81-09/08/81	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/22/81-09/08/81	2	1.8	1.8	2.5	1.1	0.98	0.99	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/22/81-09/08/81	2	57.	57.	63.	51.	72.	8.485	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/22/81-09/08/81	2	23.	23.	24.	22.	2.	1.414	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/22/81-09/08/81	2	16.5	16.5	18.	15.	4.5	2.121	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/22/81-09/08/81	2	3.9	3.9	4.5	3.3	0.72	0.849	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/22/81-09/08/81	2	29.	29.	38.	20.	162.	12.728	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/22/81-09/08/81	2	1.7	1.7	2.2	1.2	0.5	0.707	**	**	**	**
00932	SODIUM, PERCENT	06/22/81-09/08/81	2	49.	49.	54.	44.	50.	7.071	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/22/81-09/08/81	2	4.9	4.9	6.	3.8	2.42	1.556	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/81-09/08/81	2	42.	42.	57.	27.	450.	21.213	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/81-09/08/81	2	41.	41.	42.	40.	2.	1.414	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/22/81-09/08/81	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/22/81-09/08/81	2	46.5	46.5	51.	42.	40.5	6.364	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0198

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	06/22/81-09/08/81	2	226.5	226.5	250.	203.	1104.5	33.234	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/22/81-09/08/81	2	203.	203.	238.	168.	2450.	49.497	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/22/81-09/08/81	2	19.9	19.9	26.3	13.5	81.92	9.051	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/22/81-09/08/81	2	0.31	0.31	0.34	0.28	0.002	0.042	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/22/81-09/08/81	2	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/22/81-09/08/81	2	0.15	0.15	0.18	0.12	0.002	0.042	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/22/81-09/08/81	2	2.95	2.95	3.6	2.3	0.845	0.919	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/22/81-06/22/81	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: LAVO0198

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
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			
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			

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

Station Inventory for Station: LAVO0199

NPS Station ID: LAVO0199 LAT/LON: 40.361920/-121.503810 Agency: 11NPSWRD Date Created: 10/31/98
Location: MILL CREEK 100 FEET BELOW BRIDGE AT HIGHWAY 36 FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_MCBH
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MINERAL CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT MILL CREEK 100 FEET BELOW THE BRIDGE AT HIGHWAY 36 OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MICHAEL L. SOREY AS PART OF THE "REPORT ON FIELD TRIP TO LASSEN REGION ON AUGUST 1-5; 1983" FOR THE USGS. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0199

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	1	171.	171.	171.	171.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	1	6.	6.	6.	6.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0199

				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	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			

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

Station Inventory for Station: LAVO0200

NPS Station ID: LAVO0200
LAT/LON: 40.463337/-121.504170
Agency: 11NPSWRD
Date Created: 11/21/98
Location: UNNAMED SPRING AT BUMPASS HELL
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_BHUS1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT BUMPASS HELL IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/16/75-07/16/75	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	3981.072	3981.072	3981.072	3981.072	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/16/75-07/16/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-07/16/75	1	458.	458.	458.	458.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	1	96.4	96.4	96.4	96.4	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	1	700.	700.	700.	700.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	1	1.65	1.65	1.65	1.65	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/16/75-07/16/75	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/16/75-07/16/75	1	8800.	8800.	8800.	8800.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0200

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
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			
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			

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

Station Inventory for Station: LAVO0201

NPS Station ID: LAVO0201
Location: MILL C NR MINERAL
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 18020119
Major Basin: CALIFORNIA
Minor Basin: SACRAMENTO RIVER BASIN
RF1 Index: 18020119001
RF3 Index:
Description:
MILL C NR MINERAL

LAT/LON: 40.362226/-121.504449

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 42.590
RF3 Mile Point: 0.00

Agency: 21CAL-1
FIPS State/County: 06103 CALIFORNIA/TEHAMA
STORET Station ID(s): A4418000
Within Park Boundary: No

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

Date Created: 04/26/86

On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: LAVO0201

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

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

Station Inventory for Station: LAVO0202

NPS Station ID: LAVO0202 LAT/LON: 40.394698/-121.505060 Agency: 11NPSWRD Date Created: 10/31/98
Location: CANYON CREEK 150 FEET ABOVE GROWLER HOT SPRING FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_CCAH
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT CANYON CREEK 150 FEET ABOVE GROWLER HOT SPRING OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MICHAEL L. SOREY AS PART OF THE "REPORT ON FIELD TRIP TO LASSEN REGION ON AUGUST 1-5; 1983" FOR THE USGS. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/83-08/02/83	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/02/83-08/02/83	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/83-08/02/83	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: LAVO0202

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a 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			

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

Station Inventory for Station: LAVO0203

NPS Station ID: LAVO0203
LAT/LON: 40.393115/-121.505393
Agency: 11NPSWRD
Date Created: 10/03/98
Location: GROWLER HOT SPRINGS
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_GRHS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT GROWLER HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MUFFLER; NEHRING; TRUESDELL; JANIK; CLYNNE; AND THOMPSON AS PART OF A REPORT TITLED "THE LASSEN GEOTHERMAL SYSTEM" FOR THE USGS FROM THE PROCEEDINGS OF THE 1982 GEOTHERMAL CONFERENCE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. DATES ARE GIVEN AS MONTH AND YEAR IN THE REPORT; SO THE DATES HAVE BEEN ESTIMATED AS THE 15TH OF THE MONTH. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-08/15/79	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/79-08/15/79	1	7.45	7.45	7.45	7.45	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/79-08/15/79	1	7.45	7.45	7.45	7.45	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/79-08/15/79	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/79-08/15/79	1	81.	81.	81.	81.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/79-08/15/79	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/79-08/15/79	1	173.	173.	173.	173.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/79-08/15/79	1	2370.	2370.	2370.	2370.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/79-08/15/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/79-08/15/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/79-08/15/79	1	272.	272.	272.	272.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/79-08/15/79	1	11000.	11000.	11000.	11000.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/79-08/15/79	1	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/79-08/15/79	1	84000.	84000.	84000.	84000.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/79-08/15/79	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/79-08/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/79-08/15/79	1	900.	900.	900.	900.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/79-08/15/79	1	400.	400.	400.	400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0203

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/79-08/15/79	1	600.	600.	600.	600.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/79-08/15/79	1	6300.	6300.	6300.	6300.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/79-08/15/79	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/15/79-08/15/79	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	08/15/79-08/15/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
74073	FLOW LITERS/MIN	08/15/79-08/15/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/79-08/15/79	1	1340000.	1340000.	1340000.	1340000.	0.	0.	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	08/15/79-08/15/79	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0203

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a 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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	1	1.00	1	1	1.00									
		Drinking Water	50.	1	1	1.00	1	1	1.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0204

NPS Station ID: LAVO0204 | LAT/LON: 40.359587/-121.505949 | Agency: 11NPSWRD | Date Created: 11/21/98
Location: ONE QUARTER MILE SOUTH OF MILL CREEK BRIDGE | FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): LAVO_USGS_CSMSB
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020119 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020119 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MINERAL 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED ONE QUARTER MILE SOUTH OF THE MILL CREEK BRIDGE ON MILL CREEK OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. THE STATION COORDINATES PROVIDED IN THE REPORT WERE NOT USED FOR THIS STATION SINCE THEIR ACCURACY WAS QUESTIONABLE. THE STATION COORDINATES USED WERE A BEST ESTIMATE BY THE NATIONAL PARK SERVICE; WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/21/79-08/21/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/21/79-08/21/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/21/79-08/21/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/21/79-08/21/79	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/79-08/21/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/21/79-08/21/79	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/21/79-08/21/79	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/21/79-08/21/79	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/21/79-08/21/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/21/79-08/21/79	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/21/79-08/21/79	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/21/79-08/21/79	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/21/79-08/21/79	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/21/79-08/21/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/21/79-08/21/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/21/79-08/21/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/21/79-08/21/79	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/21/79-08/21/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/21/79-08/21/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0204

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0205

NPS Station ID: LAVO0205 LAT/LON: 40.362504/-121.506503 Agency: 11NPSWRD Date Created: 10/31/98
Location: MILL CREEK TRIBUTARY FROM MORGAN MTN AT HWY. 36 FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_MCMM
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MINERAL CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT MILL CREEK TRIBUTARY FROM MORGAN MOUNTAIN AT HIGHWAY 36 OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MICHAEL L. SOREY AS PART OF THE "REPORT ON FIELD TRIP TO LASSEN REGION ON AUGUST 1-5; 1983" FOR THE USGS. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0205

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	1	68.	68.	68.	68.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0205

				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	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			

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

Station Inventory for Station: LAVO0206

NPS Station ID: LAVO0206 LAT/LON: 40.392059/-121.506616 Agency: 11NPSWRD Date Created: 10/31/98
Location: CANYON CREEK 100 FEET BELOW GROWLER HOT SPRING FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_CCBH
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT CANYON CREEK 100 FEET BELOW GROWLER HOT SPRING OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MICHAEL L. SOREY AS PART OF THE "REPORT ON FIELD TRIP TO LASSEN REGION ON AUGUST 1-5; 1983" FOR THE USGS. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0206

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/83-08/02/83	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/02/83-08/02/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/83-08/02/83	1	9.	9.	9.	9.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0206

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a 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			

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

Station Inventory for Station: LAVO0207

NPS Station ID: LAVO0207 LAT/LON: 40.375531/-121.507170 Agency: 11NPSWRD Date Created: 10/31/98
Location: MILL CREEK BELOW CONFLUENCE WITH CANYON CREEK FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_MCBC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT MILL CREEK 0.5 MILES BELOW THE CONFLUENCE WITH CANYON CREEK OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MICHAEL L. SOREY AS PART OF THE "REPORT ON FIELD TRIP TO LASSEN REGION ON AUGUST 1-5; 1983" FOR THE USGS. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0207

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	1	162.	162.	162.	162.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	1	7.	7.	7.	7.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0207

				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	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			

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

Station Inventory for Station: LAVO0208

NPS Station ID: LAVO0208
LAT/LON: 40.467504/-121.508893
Agency: 112WRD
Date Created: 12/19/81
Location: LAKE HELEN NR MINERAL CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 402803121303200
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/81-06/16/81	2	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/16/81-06/16/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/81-06/16/81	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/16/81-06/16/81	2	8.2	8.2	8.4	8.	0.08	0.283	**	**	**	**
00400	PH (STANDARD UNITS)	06/16/81-06/16/81	2	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/16/81-06/16/81	2	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/81-06/16/81	2	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/16/81-06/16/81	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/16/81-06/16/81	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/81-06/16/81	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)	06/16/81-06/16/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.77	0.77	0.77	0.77	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/16/81-06/16/81	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/16/81-06/16/81	1	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/16/81-06/16/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/16/81-06/16/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/16/81-06/16/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/16/81-06/16/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/16/81-06/16/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/16/81-06/16/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/16/81-06/16/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/16/81-06/16/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/16/81-06/16/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/16/81-06/16/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/16/81-06/16/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/16/81-06/16/81	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/16/81-06/16/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0208

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	06/16/81-06/16/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/16/81-06/16/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/16/81-06/16/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/16/81-06/16/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/16/81-06/16/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/16/81-06/16/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/16/81-06/16/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71825	ACIDITY, TOTAL (MG/L AS H)	06/16/81-06/16/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/16/81-06/16/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/16/81-06/16/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/16/81-06/16/81	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/16/81-06/16/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0208

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00							2	0	0.00			
00400	PH	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
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			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0209

NPS Station ID: LAVO0209 LAT/LON: 40.464726/-121.509726 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING NORTHERN SECTION OF BUMPASS HELL FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_BHUSN
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT THE NORTHERN SECTION OF BUMPASS HELL IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0209

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/16/75-07/16/75	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/16/75-07/16/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/16/75-07/16/75	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	19952.623	19952.623	19952.623	19952.623	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	1	193.	193.	193.	193.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	1	1.45	1.45	1.45	1.45	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/16/75-07/16/75	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/16/75-07/16/75	1	25400.	25400.	25400.	25400.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0209

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
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			
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			
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: LAVO0210

NPS Station ID: LAVO0210 LAT/LON: 40.387004/-121.510310 Agency: 11NPSWRD Date Created: 10/31/98
Location: CANYON CREEK ABOVE CONFLUENCE WITH MILL CREEK FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_CCAC
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT CANYON CREEK 0.3 MILES ABOVE THE CONFLUENCE WITH MILL CREEK OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MICHAEL L. SOREY AS PART OF THE "REPORT ON FIELD TRIP TO LASSEN REGION ON AUGUST 1-5; 1983" FOR THE USGS. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0210

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	1	21.	21.	21.	21.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0210

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a 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			

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

Station Inventory for Station: LAVO0211

NPS Station ID: LAVO0211 LAT/LON: 40.391726/-121.511254 Agency: 11NPSWRD Date Created: 10/31/98
Location: MILL CREEK 0.6 MILES ABOVE BRIDGE MORGAN MEADOWS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_MCAB
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT MILL CREEK 0.6 MILES ABOVE THE BRIDGE IN MORGAN MEADOW OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MICHAEL L. SOREY AS PART OF THE "REPORT ON FIELD TRIP TO LASSEN REGION ON AUGUST 1-5; 1983" FOR THE USGS. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0211

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/04/83-08/04/83	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/04/83-08/04/83	1	142.	142.	142.	142.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/04/83-08/04/83	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: LAVO0211

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
Parameter	Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	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			

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

Station Inventory for Station: LAVO0212

NPS Station ID: LAVO0212
LAT/LON: 40.401115/-121.511392
Agency: 11NPSWRD
Date Created: 11/21/98
Location: GROWLER HOT SPRING
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_GHS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT GROWLER HOT SPRING OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" FOR THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0212

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-08/01/76	2	95.	95.	95.	95.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/16/75-08/01/76	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/16/75-08/01/76	2	7.95	7.95	8.	7.9	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/16/75-08/01/76	2	7.947	7.947	8.	7.9	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-08/01/76	2	0.011	0.011	0.013	0.01	0.	0.002	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/16/75-08/01/76	2	7.875	7.875	8.3	7.45	0.361	0.601	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/16/75-08/01/76	2	7.694	7.694	8.3	7.45	0.427	0.653	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-08/01/76	2	0.02	0.02	0.035	0.005	0.	0.022	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-08/01/76	2	60.	60.	65.	55.	50.	7.071	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-08/01/76	2	80.5	80.5	81.	80.	0.5	0.707	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-08/01/76	2	0.06	0.06	0.07	0.05	0.	0.014	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-08/01/76	2	1395.	1395.	1450.	1340.	6050.	77.782	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-08/01/76	2	188.	188.	203.	173.	450.	21.213	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-08/01/76	2	2321.5	2321.5	2370.	2273.	4704.5	68.589	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-08/01/76	2	91.5	91.5	110.	73.	684.5	26.163	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-08/01/76	2	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-08/01/76	2	251.5	251.5	272.	231.	840.5	28.991	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/16/75-08/01/76	2	11000.	11000.	11000.	11000.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/16/75-08/01/76	2	1850.	1850.	2500.	1200.	845000.	919.239	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-08/01/76	2	94500.	94500.	105000.	84000.	220500000.	14849.242	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/76-08/01/76	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/76-08/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/16/75-08/01/76	2	835.	835.	900.	770.	8450.	91.924	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/01/76-08/01/76	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0212

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/76-08/01/76	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	07/16/75-08/01/76	2	2760.	2760.	3300.	2220.	583200.	763.675	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-08/01/76	2	8750.	8750.	11200.	6300.	12005000.	3464.823	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	07/16/75-08/01/76	2	2075.	2075.	2480.	1670.	328050.	572.756	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-08/01/76	2	4.885	4.885	9.5	0.27	42.596	6.527	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/16/75-08/01/76	2	0.91	0.91	1.8	0.02	1.584	1.259	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	07/16/75-08/01/76	2	11750.	11750.	13400.	10100.	5445000.	2333.452	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0212

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00							2	0	0.00			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	2	1.00							2	2	1.00			
		Drinking Water	250.	2	2	1.00							2	2	1.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00							2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	2	1.00							2	2	1.00			
		Drinking Water	50.	2	2	1.00							2	2	1.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	1	0.50							2	1	0.50			
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: LAVO0213

NPS Station ID: LAVO0213
LAT/LON: 40.382892/-121.512782
Agency: 11NPSWRD
Date Created: 10/03/98
Location: MORGAN HOT SPRINGS
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_MHS
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MUFFLER; NEHRING; TRUESDELL; JANIK; CLYNNE; AND THOMPSON AS PART OF A REPORT TITLED "THE LASSEN GEOTHERMAL SYSTEM" FOR THE USGS FROM THE PROCEEDINGS OF THE 1982 GEOTHERMAL CONFERENCE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. DATES ARE GIVEN AS MONTH AND YEAR IN THE REPORT; SO THE DATES HAVE BEEN ESTIMATED AS THE 15TH OF THE MONTH. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-08/15/79	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/79-08/15/79	1	7.25	7.25	7.25	7.25	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/79-08/15/79	1	7.25	7.25	7.25	7.25	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	0.056	0.056	0.056	0.056	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/79-08/15/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/79-08/15/79	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/79-08/15/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/79-08/15/79	1	162.	162.	162.	162.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/79-08/15/79	1	2210.	2210.	2210.	2210.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/79-08/15/79	1	123.	123.	123.	123.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/79-08/15/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/79-08/15/79	1	225.	225.	225.	225.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/15/79-08/15/79	1	10600.	10600.	10600.	10600.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/79-08/15/79	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/79-08/15/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/79-08/15/79	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/79-08/15/79	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/79-08/15/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/79-08/15/79	1	400.	400.	400.	400.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0213

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/79-08/15/79	1	6100.	6100.	6100.	6100.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/79-08/15/79	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/15/79-08/15/79	1	13.	13.	13.	13.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	08/15/79-08/15/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
74073	FLOW LITERS/MIN	08/15/79-08/15/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/79-08/15/79	1	1260000.	1260000.	1260000.	1260000.	0.	0.	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	08/15/79-08/15/79	1	14500.	14500.	14500.	14500.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0213

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------8/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/31---------- Obs	Exceed	Prop.	----------6/01-8/14---------- Obs	Exceed	Prop.	----------n/a---------- 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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	1	1.00	1	1	1.00									
		Drinking Water	50.	1	1	1.00	1	1	1.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0214

NPS Station ID: LAVO0214
LAT/LON: 40.450559/-121.513059
Agency: 11NPSWRD
Date Created: 11/21/98
Location: LITTLE HOT SPRINGS VALLEY
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_LHSV4
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/02/76-09/02/76	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/02/76-09/02/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/76-09/15/77	2	8.1	8.1	8.3	7.9	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/76-09/15/77	2	8.055	8.055	8.3	7.9	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/76-09/15/77	2	0.009	0.009	0.013	0.005	0.	0.005	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/02/76-09/02/76	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/02/76-09/02/76	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/76-09/02/76	1	15.849	15.849	15.849	15.849	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/02/76-09/15/77	2	134.5	134.5	182.	87.	4512.5	67.175	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/76-09/15/77	2	86.6	86.6	114.	59.2	1501.52	38.749	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/76-09/15/77	2	7.6	7.6	8.7	6.5	2.42	1.556	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/76-09/15/77	2	92.	92.	93.	91.	2.	1.414	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/76-09/15/77	2	14.9	14.9	15.8	14.	1.62	1.273	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/76-09/15/77	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/76-09/15/77	2	401.	401.	429.	373.	1568.	39.598	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/76-09/15/77	2	0.26	0.26	0.3	0.22	0.003	0.057	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/76-09/15/77	2	152.5	152.5	172.	133.	760.5	27.577	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/76-09/15/77	2	1400.	1400.	1600.	1200.	80000.	282.843	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/76-09/15/77	2	200.	200.	300.	100.	20000.	141.421	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	1	650.	650.	650.	650.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/02/76-09/15/77	2	1165.	1165.	1400.	930.	110450.	332.34	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	09/02/76-09/15/77	2 ##	42.5	42.5	80.	5.	2812.5	53.033	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/76-09/15/77	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**

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

Parameter Inventory for Station: LAVO0214

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/02/76-09/15/77	2	60.	60.	80.	40.	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

EPA Water Quality Criteria Analysis for Station: LAVO0214

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	2	1.00	2	2	1.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: LAVO0215

NPS Station ID: LAVO0215 LAT/LON: 40.385559/-121.513866 Agency: 11NPSWRD Date Created: 10/31/98
Location: MILL CREEK BELOW BRIDGE MORGAN MEADOWS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_MCBB
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT MILL CREEK 75 FEET BELOW THE BRIDGE IN MORGAN MEADOW OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MICHAEL L. SOREY AS PART OF THE "REPORT ON FIELD TRIP TO LASSEN REGION ON AUGUST 1-5; 1983" FOR THE USGS. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0215

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/02/83-08/04/83	2	10.	10.	12.	8.	8.	2.828	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/02/83-08/04/83	2	160.	160.	176.	144.	512.	22.627	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/02/83-08/04/83	2	2.	2.	2.	2.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0215

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
		Drinking Water	250.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0216

NPS Station ID: LAVO0216
LAT/LON: 40.452170/-121.515504
Agency: 11NPSWRD
Date Created: 10/03/98
Location: LITTLE HOT SPRINGS VALLEY
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_LHSV
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LITTLE HOT SPRINGS VALLEY IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MUFFLER; NEHRING; TRUESDELL; JANIK; CLYNNE; AND THOMPSON AS PART OF A REPORT TITLED "THE LASSEN GEOTHERMAL SYSTEM" FOR THE USGS FROM THE PROCEEDINGS OF THE 1982 GEOTHERMAL CONFERENCE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. DATES ARE GIVEN AS MONTH AND YEAR IN THE REPORT; SO THE DATES HAVE BEEN ESTIMATED AS THE 15TH OF THE MONTH. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/79-08/15/79	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/79-08/15/79	1	5.65	5.65	5.65	5.65	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/79-08/15/79	1	5.65	5.65	5.65	5.65	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/79-08/15/79	1	2.239	2.239	2.239	2.239	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/79-08/15/79	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/79-08/15/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/79-08/15/79	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/79-08/15/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/79-08/15/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/79-08/15/79	1	301.	301.	301.	301.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/79-08/15/79	1	0.84	0.84	0.84	0.84	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/79-08/15/79	1	123.	123.	123.	123.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/79-08/15/79	1	4200.	4200.	4200.	4200.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/15/79-08/15/79	1	340.	340.	340.	340.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/15/79-08/15/79	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/15/79-08/15/79	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/79-08/15/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/15/79-08/15/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	08/15/79-08/15/79	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0216

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
74073	FLOW LITERS/MIN	08/15/79-08/15/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
82039	DISSOLVED-SODIUM UG/L (AS NA)	08/15/79-08/15/79	1	87000.	87000.	87000.	87000.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0216

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
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									

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

Station Inventory for Station: LAVO0217

NPS Station ID: LAVO0217
LAT/LON: 40.462504/-121.516393
Agency: 11NPSWRD
Date Created: 11/21/98
Location: BIG BOILER AT OUTLET AT BUMPASS HELL
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_BHBB
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE BIG BOILER AT THE OUTLET AT BUMPASS HELL IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0217

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/79-08/01/79	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/01/79-08/01/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/79-08/01/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/79-08/01/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/79-08/01/79	1	2511.886	2511.886	2511.886	2511.886	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/79-08/01/79	1	2.18	2.18	2.18	2.18	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/79-08/01/79	1	2.18	2.18	2.18	2.18	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/79-08/01/79	1	6606.934	6606.934	6606.934	6606.934	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/01/79-08/01/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/79-08/01/79	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/79-08/01/79	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/79-08/01/79	1	22.1	22.1	22.1	22.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/79-08/01/79	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/79-08/01/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/79-08/01/79	1	364.	364.	364.	364.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/79-08/01/79	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/79-08/01/79	1	215.	215.	215.	215.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/01/79-08/01/79	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/79-08/01/79	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/79-08/01/79	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	1	16200.	16200.	16200.	16200.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/79-08/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	08/01/79-08/01/79	1	7200.	7200.	7200.	7200.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0217

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
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			
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			

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

Station Inventory for Station: LAVO0218

NPS Station ID: LAVO0218
LAT/LON: 40.468060/-121.517782
Agency: 12WLS1
Date Created: 09/03/88
Location: EMERALD LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 4A3-012
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 26
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/85-10/24/85	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	10/24/85-10/24/85	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/24/85-10/24/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/85-10/24/85	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00154	SULFATE (AS S) WHOLE WATER, MG/L	10/24/85-10/24/85	1	0.845	0.845	0.845	0.845	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/24/85-10/24/85	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/24/85-10/24/85	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/85-10/24/85	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	10/24/85-10/24/85	1	83.9	83.9	83.9	83.9	0.	0.	**	**	**	**
00662	PHOSPHORUS (P), WATER, TOTAL RECOVERABLE UG/L	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/24/85-10/24/85	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	10/24/85-10/24/85	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00910	CALCIUM (MG/L AS CACO3)	10/24/85-10/24/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/85-10/24/85	1	0.65	0.65	0.65	0.65	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/85-10/24/85	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/24/85-10/24/85	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/85-10/24/85	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/85-10/24/85	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/24/85-10/24/85	1	18.5	18.5	18.5	18.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	10/24/85-10/24/85	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70151	SURFACE AREA OF LAKE OR RESERVOIR SQ KM	10/24/85-10/24/85	1	0.023	0.023	0.023	0.023	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/85-10/24/85	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/24/85-10/24/85	1	78.5	78.5	78.5	78.5	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/24/85-10/24/85	1	8124.96	8124.96	8124.96	8124.96	0.	0.	**	**	**	**
82047	DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)	10/24/85-10/24/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	10/24/85-10/24/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0218

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00154	SULFATE (AS S) WHOLE WATER	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: LAVO0218

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
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									
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									
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0219

NPS Station ID: LAVO0219
LAT/LON: 40.456337/-121.518281
Agency: 11NPSWRD
Date Created: 11/21/98
Location: LITTLE HOT SPRINGS VALLEY
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_LHSV2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. THE STATION COORDINATES PROVIDED IN THE REPORT WERE NOT USED FOR THIS STATION SINCE THEIR ACCURACY WAS QUESTIONABLE. THE STATION COORDINATES USED WERE A BEST ESTIMATE BY THE NATIONAL PARK SERVICE; WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/02/76-09/02/76	1	81.	81.	81.	81.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/02/76-09/02/76	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/76-09/02/76	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/76-09/02/76	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/76-09/02/76	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/02/76-09/02/76	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/02/76-09/02/76	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/76-09/02/76	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/02/76-09/02/76	1	297.	297.	297.	297.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/76-09/02/76	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/76-09/02/76	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/76-09/02/76	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/76-09/02/76	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/76-09/02/76	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/76-09/02/76	1	194.	194.	194.	194.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/76-09/02/76	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/76-09/02/76	1	84.	84.	84.	84.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/76-09/02/76	1	800.	800.	800.	800.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/76-09/02/76	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	1	630.	630.	630.	630.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/02/76-09/02/76	1	600.	600.	600.	600.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01115	CESIUM, DISSOLVED (UG/L AS CS)	09/02/76-09/02/76	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/76-09/02/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/02/76-09/02/76	1	90.	90.	90.	90.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0219

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	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									
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									
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									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0220

NPS Station ID: LAVO0220
LAT/LON: 40.457781/-121.518059
Agency: 11NPSWRD
Date Created: 11/21/98
Location: LITTLE HOT SPRINGS VALLEY
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_LHSV1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/02/76-09/02/76	1	69.	69.	69.	69.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/02/76-09/02/76	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/76-09/02/76	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/76-09/02/76	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/76-09/02/76	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/02/76-09/02/76	1	275.	275.	275.	275.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/76-09/02/76	1	255.	255.	255.	255.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/76-09/02/76	1	15.8	15.8	15.8	15.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/76-09/02/76	1	65.	65.	65.	65.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/76-09/02/76	1	14.8	14.8	14.8	14.8	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/76-09/02/76	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/76-09/02/76	1	517.	517.	517.	517.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/76-09/02/76	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/76-09/02/76	1	91.	91.	91.	91.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/76-09/02/76	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/76-09/02/76	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	1	490.	490.	490.	490.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/02/76-09/02/76	1	3300.	3300.	3300.	3300.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	09/02/76-09/02/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/76-09/02/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/02/76-09/02/76	1	60.	60.	60.	60.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0220

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	1	1.00	1	1	1.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0221

NPS Station ID: LAVO0221 | LAT/LON: 40.457392/-121.518421 | Agency: 11NPSWRD | Date Created: 02/13/99
Location: LITTLE HOT SPRINGS VALLEY | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_LHS
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020119 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY ROBIN LENN FOR THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGIC SURVEY. THE DATA FOR THIS STATION COME FROM USGS DATA SHEETS. IONS WERE ASSUMED TO BE DISSOLVED AND METALS WERE ASSUMED TO BE TOTAL. THE PRECISE LOCATION OF THE STATION IS UNKNOWN. THE COORDINATES OF THIS STATION ARE THE CENTER OF A BOX OF COORDINATES GIVEN IN THE DATA SHEETS FOR THE LITTLE HOT SPRINGS VALLEY AREA. FOR MORE INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/64-07/24/64	1	47.8	47.8	47.8	47.8	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/64-07/24/64	1	461.	461.	461.	461.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/24/64-07/24/64	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/24/64-07/24/64	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/64-07/24/64	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/24/64-07/24/64	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/24/64-07/24/64	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/24/64-07/24/64	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/24/64-07/24/64	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/24/64-07/24/64	1	121.	121.	121.	121.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/64-07/24/64	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/64-07/24/64	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/64-07/24/64	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/64-07/24/64	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/24/64-07/24/64	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/24/64-07/24/64	1	175.	175.	175.	175.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/64-07/24/64	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/64-07/24/64	1	196.	196.	196.	196.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	07/24/64-07/24/64	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/24/64-07/24/64	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/24/64-07/24/64	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/24/64-07/24/64	1	488.	488.	488.	488.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/24/64-07/24/64	1	4.	4.	4.	4.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0221

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			
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			
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: LAVO0222

NPS Station ID: LAVO0222 LAT/LON: 40.386949/-121.518616 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS8
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	23.9	23.9	23.9	23.9	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	62.	62.	62.	62.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0222

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0223

NPS Station ID: LAVO0223 LAT/LON: 40.458059/-121.519171 Agency: 11NPSWRD Date Created: 11/21/98
Location: DEPOSITING SPRING AT LITTLE HOT SPRINGS VALLEY FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_LHSVT
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY AT THE TRAVERTINE DEPOSITING SPRING AT THE UPPER VALLEY IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" FOR THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-08/15/76	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-09/02/76	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/02/76	2	7.75	7.75	7.8	7.7	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-09/02/76	2	7.747	7.747	7.8	7.7	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/02/76	2	0.018	0.018	0.02	0.016	0.	0.003	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/02/76	2	6.6	6.6	6.7	6.5	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-09/02/76	2	6.589	6.589	6.7	6.5	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/02/76	2	0.258	0.258	0.316	0.2	0.007	0.083	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/02/76	2	330.5	330.5	351.	310.	840.5	28.991	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/02/76	2	200.	200.	208.	192.	128.	11.314	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/02/76	2	14.25	14.25	14.5	14.	0.125	0.354	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/02/76	2	71.	71.	72.	70.	2.	1.414	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/02/76	2	15.75	15.75	16.	15.5	0.125	0.354	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/02/76	2	1.45	1.45	2.	0.9	0.605	0.778	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/02/76	2	479.5	479.5	487.	472.	112.5	10.607	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/02/76	2	0.615	0.615	0.69	0.54	0.011	0.106	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/02/76	2	100.5	100.5	101.	100.	0.5	0.707	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/76-09/02/76	2	1850.	1850.	2400.	1300.	605000.	777.817	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/02/76	2	475.	475.	800.	150.	211250.	459.619	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/76-09/02/76	2	2850.	2850.	3100.	2600.	125000.	353.553	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/76-09/02/76	2	70.	70.	80.	60.	200.	14.142	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/02/76	2	25.	25.	30.	20.	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: LAVO0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/76-09/02/76	2	110.	110.	130.	90.	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

EPA Water Quality Criteria Analysis for Station: LAVO0223

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	2	1.00	2	2	1.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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

Station Inventory for Station: LAVO0224

NPS Station ID: LAVO0224 LAT/LON: 40.386670/-121.519448 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS7
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0224

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	83.3	83.3	83.3	83.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	1150.	1150.	1150.	1150.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	2260.	2260.	2260.	2260.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	101.	101.	101.	101.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	193.	193.	193.	193.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	68000.	68000.	68000.	68000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	6700.	6700.	6700.	6700.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1	1100.	1100.	1100.	1100.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0224

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									

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

Station Inventory for Station: LAVO0225

NPS Station ID: LAVO0225 LAT/LON: 40.390004/-121.520559 Agency: 11NPSWRD Date Created: 11/21/98
Location: LITTLE GROWLER AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHLG
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT LITTLE GROWLER AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/76-08/24/79	3	96.	95.667	96.	95.	0.333	0.577	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/01/76-09/03/76	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/76-08/24/79	3	7.9	7.867	8.1	7.6	0.063	0.252	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/76-08/24/79	3	7.9	7.818	8.1	7.6	0.067	0.259	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/76-08/24/79	3	0.013	0.015	0.025	0.008	0.	0.009	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/76-09/03/76	2	7.175	7.175	7.25	7.1	0.011	0.106	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/76-09/03/76	2	7.169	7.169	7.25	7.1	0.011	0.106	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/76-09/03/76	2	0.068	0.068	0.079	0.056	0.	0.016	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/01/76-08/24/79	3	68.	64.667	76.	50.	177.333	13.317	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/76-08/24/79	3	93.7	91.2	94.4	85.5	24.49	4.949	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/76-08/24/79	3	0.5	0.733	1.4	0.3	0.343	0.586	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/76-08/24/79	3	1260.	1323.333	1470.	1240.	16233.333	127.41	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/76-08/24/79	3	162.	163.333	173.	155.	82.333	9.074	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/76-08/24/79	3	2220.	2236.667	2280.	2210.	1433.333	37.859	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/76-08/24/79	3	101.	107.667	123.	99.	177.333	13.317	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/76-08/24/79	3	2.6	2.7	3.	2.5	0.07	0.265	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/76-08/24/79	3	184.	177.	225.	122.	2689.	51.856	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/01/76-09/03/76	2	10350.	10350.	10600.	10100.	125000.	353.553	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/01/76-09/03/76	2	2000.	2000.	3000.	1000.	2000000.	1414.214	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/01/76-08/24/79	3	74000.	56666.667	82000.	14000.	1381333333.333	37166.293	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/76-09/03/76	2	2865.	2865.	5720.	10.	16302050.	4037.58	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/76-09/03/76	2	55.	55.	80.	30.	1250.	35.355	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/01/76-09/03/76	2	1300.	1300.	1500.	1100.	80000.	282.843	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/01/76-08/01/76	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: LAVO0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/76-08/01/76	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/01/76-08/24/79	3	2090.	2010.	2140.	1800.	33700.	183.576	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/76-08/24/79	3	7100.	6866.667	7400.	6100.	463333.333	680.686	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/01/76-08/24/79	3	1430.	1366.667	1470.	1200.	21233.333	145.717	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/76-08/01/76	1	13.	13.	13.	13.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	08/01/76-09/03/76	2	0.57	0.57	1.1	0.04	0.562	0.75	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	08/01/76-09/03/76	2	14750.	14750.	15000.	14500.	125000.	353.553	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0225

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
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			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	3	1.00	2	2	1.00				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	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			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	2	1.00	1	1	1.00				1	1	1.00			
		Drinking Water	50.	2	2	1.00	1	1	1.00				1	1	1.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	1	0.50	1	0	0.00				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: LAVO0226

NPS Station ID: LAVO0226 LAT/LON: 40.388059/-121.520559 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS6
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0226

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	16.8	16.8	16.8	16.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	75.	75.	75.	75.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	700.	700.	700.	700.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0226

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	1	1.00	1	1	1.00									
		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									

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

Station Inventory for Station: LAVO0227

NPS Station ID: LAVO0227 LAT/LON: 40.390837/-121.520838 Agency: 11NPSWRD Date Created: 11/21/98
Location: UPSTREAM OF LITTLE GROWLER HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHULG
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED UPSTREAM OF LITTLE GROWLER AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0227

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/76-08/24/79	3	94.	93.667	94.	93.	0.333	0.577	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/03/76-08/24/79	3	2.	2.667	5.	1.	4.333	2.082	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/03/76-08/24/79	3	7.7	7.733	7.8	7.7	0.003	0.058	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/03/76-08/24/79	3	7.7	7.731	7.8	7.7	0.003	0.058	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/76-08/24/79	3	0.02	0.019	0.02	0.016	0.	0.002	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/03/76-08/01/79	2	7.	7.	7.1	6.9	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/03/76-08/01/79	2	6.989	6.989	7.1	6.9	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/76-08/01/79	2	0.103	0.103	0.126	0.079	0.001	0.033	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/03/76-08/24/79	3	63.	64.667	70.	61.	22.333	4.726	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/03/76-08/24/79	3	88.1	88.5	91.9	85.5	10.36	3.219	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/03/76-08/24/79	3	0.4	0.4	0.5	0.3	0.01	0.1	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/03/76-08/24/79	3	1280.	1333.333	1460.	1260.	12133.333	110.151	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/03/76-08/24/79	3	166.	169.	182.	159.	139.	11.79	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/03/76-08/24/79	3	2250.	2243.333	2270.	2210.	933.333	30.551	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/03/76-08/24/79	3	98.	94.333	113.	72.	430.333	20.744	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/03/76-08/24/79	3	2.7	2.7	2.9	2.5	0.04	0.2	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/03/76-08/24/79	3	172.	166.	200.	126.	1396.	37.363	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/03/76-08/01/79	2	9950.	9950.	10300.	9600.	245000.	494.975	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/03/76-08/01/79	2	2050.	2050.	3100.	1000.	2205000.	1484.924	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/03/76-08/24/79	3	74000.	61333.333	85000.	25000.	1020333333.333	31942.657	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/03/76-08/01/79	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/03/76-08/01/79	2 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/03/76-08/01/79	2	1200.	1200.	1300.	1100.	20000.	141.421	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/01/79-08/01/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0227

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	09/03/76-08/24/79	3	2100.	2093.333	2100.	2080.	133.333	11.547	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/03/76-08/24/79	3	7100.	7133.333	7900.	6400.	563333.333	750.555	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/03/76-08/24/79	3	1460.	1456.667	1470.	1440.	233.333	15.275	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/79-08/01/79	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	08/01/79-08/01/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	09/03/76-08/01/79	2	14750.	14750.	17000.	12500.	10125000.	3181.981	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0227

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	3	3	1.00	2	2	1.00				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	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			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	2	1.00	1	1	1.00				1	1	1.00			
		Drinking Water	50.	2	2	1.00	1	1	1.00				1	1	1.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	1	0.50	1	0	0.00				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: LAVO0228

NPS Station ID: LAVO0228 LAT/LON: 40.386116/-121.521115 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS9
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	104.	104.	104.	104.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	1150.	1150.	1150.	1150.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	2200.	2200.	2200.	2200.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	70000.	70000.	70000.	70000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	6700.	6700.	6700.	6700.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1	1830.	1830.	1830.	1830.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0228

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									

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

Station Inventory for Station: LAVO0229

NPS Station ID: LAVO0229 LAT/LON: 40.388059/-121.521392 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0229

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/24/79-08/24/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	99.8	99.8	99.8	99.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	1190.	1190.	1190.	1190.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	2200.	2200.	2200.	2200.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	104.	104.	104.	104.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	146.	146.	146.	146.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	72000.	72000.	72000.	72000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	6700.	6700.	6700.	6700.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1	1220.	1220.	1220.	1220.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0229

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									

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

Station Inventory for Station: LAVO0230

NPS Station ID: LAVO0230 LAT/LON: 40.384726/-121.521392 Agency: 11NPSWRD Date Created: 11/21/98
Location: HOTTEST SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHHS
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE HOTTEST SPRING AT THE MEADOW AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0230

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/16/75-07/16/75	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/16/75-07/16/75	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/16/75-07/16/75	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	1	1370.	1370.	1370.	1370.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	1	2290.	2290.	2290.	2290.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-07/16/75	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	1	177.	177.	177.	177.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/16/75-07/16/75	1	9700.	9700.	9700.	9700.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/16/75-07/16/75	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	1	81000.	81000.	81000.	81000.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/16/75-07/16/75	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	07/16/75-07/16/75	1	3200.	3200.	3200.	3200.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	1	8000.	8000.	8000.	8000.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	07/16/75-07/16/75	1	2070.	2070.	2070.	2070.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0230

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	07/16/75-07/16/75	1	11500.	11500.	11500.	11500.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0230

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	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			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00							1	1	1.00			
		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			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	1	1.00							1	1	1.00			
		Drinking Water	50.	1	1	1.00							1	1	1.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0231

NPS Station ID: LAVO0231 LAT/LON: 40.389726/-121.521671 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS2
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	87.	87.	87.	87.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/24/79-08/24/79	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	88.9	88.9	88.9	88.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	1220.	1220.	1220.	1220.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	2200.	2200.	2200.	2200.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	107.	107.	107.	107.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	156.	156.	156.	156.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	71000.	71000.	71000.	71000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1	1800.	1800.	1800.	1800.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	6800.	6800.	6800.	6800.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1	1160.	1160.	1160.	1160.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0231

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									

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

Station Inventory for Station: LAVO0232

NPS Station ID: LAVO0232 LAT/LON: 40.385837/-121.521671 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS10
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0232

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	103.	103.	103.	103.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	1150.	1150.	1150.	1150.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	143.	143.	143.	143.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	2200.	2200.	2200.	2200.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	171.	171.	171.	171.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	70000.	70000.	70000.	70000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	6800.	6800.	6800.	6800.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1	1290.	1290.	1290.	1290.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0232

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									

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

Station Inventory for Station: LAVO0233

NPS Station ID: LAVO0233 LAT/LON: 40.389171/-121.521948 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS3
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0233

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/24/79-08/24/79	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	108.	108.	108.	108.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	111.	111.	111.	111.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	1180.	1180.	1180.	1180.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	149.	149.	149.	149.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	2190.	2190.	2190.	2190.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	107.	107.	107.	107.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	162.	162.	162.	162.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	72000.	72000.	72000.	72000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	6700.	6700.	6700.	6700.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1	1290.	1290.	1290.	1290.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0233

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									

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

Station Inventory for Station: LAVO0234

NPS Station ID: LAVO0234 LAT/LON: 40.451392/-121.522227 Agency: 11NPSWRD Date Created: 11/21/98
Location: EAST SIDE OF CREEK AT LITTLE HOT SPRINGS VALLEY FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_LHSS2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY ON THE EAST SIDE OF THE CREEK NEAR THE MAIN AREA OF ACTIVITY IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" FOR THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525;

Parameter Inventory for Station: LAVO0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-08/01/79	3	91.	91.667	93.	91.	1.333	1.155	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-08/01/79	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-08/01/79	3	6.8	6.8	7.	6.6	0.04	0.2	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-08/01/79	3	6.8	6.77	7.	6.6	0.041	0.203	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-08/01/79	3	0.158	0.17	0.251	0.1	0.006	0.076	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-08/01/79	3	5.65	5.517	5.9	5.	0.216	0.465	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-08/01/79	3	5.65	5.347	5.9	5.	0.259	0.509	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-08/01/79	3	2.239	4.499	10.	1.259	22.934	4.789	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-08/01/79	3	23.	22.	24.	19.	7.	2.646	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-08/01/79	3	39.	35.233	41.	25.7	69.163	8.316	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-08/01/79	3	3.9	3.867	4.1	3.6	0.063	0.252	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-08/01/79	3	78.	79.667	87.	74.	44.333	6.658	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-08/01/79	3	19.8	17.533	20.9	11.9	24.103	4.91	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-08/01/79	3	2.	3.	5.	2.	3.	1.732	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-08/01/79	3	301.	307.667	330.	292.	394.333	19.858	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-08/01/79	3	0.12	0.337	0.84	0.05	0.191	0.437	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-08/01/79	3	117.	118.667	123.	116.	14.333	3.786	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/02/76-09/02/76	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-08/01/79	3	1000.	1900.	4200.	500.	4030000.	2007.486	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-08/01/79	2	220.	220.	340.	100.	28800.	169.706	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-08/01/79	2	165.	165.	180.	150.	450.	21.213	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/02/76-09/02/76	1	800.	800.	800.	800.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	1	440.	440.	440.	440.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	09/02/76-09/02/76	1	60.	60.	60.	60.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-08/01/79	3	10.	15.	25.	10.	75.	8.66	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/02/76-09/02/76	1	140.	140.	140.	140.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/79-08/01/79	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	09/02/76-08/01/79	2	0.215	0.215	0.4	0.03	0.068	0.262	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0234

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------8/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/31---------- Obs	Exceed	Prop.	----------6/01-8/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
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			
00406	PH, FIELD	Fresh Chronic	9.	3	0	0.00	2	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	3	3	1.00	2	2	1.00				1	1	1.00			
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	3	1.00	2	2	1.00				1	1	1.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	2	0	0.00				1	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0235

NPS Station ID: LAVO0235
LAT/LON: 40.451671/-121.522227
Agency: 11NPSWRD
Date Created: 11/21/98
Location: LITTLE HOT SPRINGS VALLEY
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_LHSV3
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0235

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/02/76-09/02/76	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/02/76-09/02/76	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/02/76-09/02/76	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/02/76-09/02/76	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/76-09/02/76	1	316.228	316.228	316.228	316.228	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/02/76-09/02/76	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/02/76-09/02/76	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/02/76-09/02/76	1	158.489	158.489	158.489	158.489	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/02/76-09/02/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/02/76-09/02/76	1	44.3	44.3	44.3	44.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/02/76-09/02/76	1	14.9	14.9	14.9	14.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/02/76-09/02/76	1	98.	98.	98.	98.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/02/76-09/02/76	1	14.9	14.9	14.9	14.9	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/02/76-09/02/76	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/02/76-09/02/76	1	511.	511.	511.	511.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/02/76-09/02/76	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/02/76-09/02/76	1	162.	162.	162.	162.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/02/76-09/02/76	1	500.	500.	500.	500.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	1	17600.	17600.	17600.	17600.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	1	810.	810.	810.	810.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/02/76-09/02/76	1	80.	80.	80.	80.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	09/02/76-09/02/76	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	09/02/76-09/02/76	1	1800.	1800.	1800.	1800.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0235

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
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									
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									

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

Station Inventory for Station: LAVO0236

NPS Station ID: LAVO0236 LAT/LON: 40.386392/-121.522504 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0236

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/76-09/03/76	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	09/03/76-09/03/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/03/76-09/03/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/03/76-09/03/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/76-09/03/76	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/03/76-09/03/76	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/03/76-09/03/76	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/76-09/03/76	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	09/03/76-09/03/76	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	09/03/76-09/03/76	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	09/03/76-09/03/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/03/76-09/03/76	1	1520.	1520.	1520.	1520.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	09/03/76-09/03/76	1	179.	179.	179.	179.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	09/03/76-09/03/76	1	2340.	2340.	2340.	2340.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	09/03/76-09/03/76	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	09/03/76-09/03/76	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/03/76-09/03/76	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/03/76-09/03/76	1	9200.	9200.	9200.	9200.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/03/76-09/03/76	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	09/03/76-09/03/76	1	86000.	86000.	86000.	86000.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/03/76-09/03/76	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/03/76-09/03/76	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	09/03/76-09/03/76	1	1600.	1600.	1600.	1600.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	09/03/76-09/03/76	1	2280.	2280.	2280.	2280.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0236

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01130	LITHIUM, DISSOLVED (UG/L AS LI)	09/03/76-09/03/76	1	7500.	7500.	7500.	7500.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	09/03/76-09/03/76	1	1560.	1560.	1560.	1560.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	09/03/76-09/03/76	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	09/03/76-09/03/76	1	21000.	21000.	21000.	21000.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0236

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	1	1.00	1	1	1.00									
		Drinking Water	50.	1	1	1.00	1	1	1.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0237

NPS Station ID: LAVO0237 LAT/LON: 40.388059/-121.522504 Agency: 11NPSWRD Date Created: 11/21/98
Location: UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHS4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT AN UNNAMED SPRING AT GROWLER/MORGAN HOT SPRINGS OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0237

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/79-08/24/79	1	82.	82.	82.	82.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/24/79-08/24/79	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/24/79-08/24/79	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/24/79-08/24/79	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/79-08/24/79	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/24/79-08/24/79	1	134.	134.	134.	134.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/79-08/24/79	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/79-08/24/79	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/79-08/24/79	1	1140.	1140.	1140.	1140.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/79-08/24/79	1	141.	141.	141.	141.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/79-08/24/79	1	2150.	2150.	2150.	2150.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/79-08/24/79	1	113.	113.	113.	113.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/79-08/24/79	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/79-08/24/79	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/79-08/24/79	1	72000.	72000.	72000.	72000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/24/79-08/24/79	1	1800.	1800.	1800.	1800.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/24/79-08/24/79	1	6400.	6400.	6400.	6400.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/24/79-08/24/79	1	1190.	1190.	1190.	1190.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0237

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00	1	1	1.00									
		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									

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

Station Inventory for Station: LAVO0238

NPS Station ID: LAVO0238 LAT/LON: 40.452226/-121.523060 Agency: 11NPSWRD Date Created: 11/21/98
Location: EAST SIDE OF CREEK AT LITTLE HOT SPRINGS VALLEY FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_LHSS1
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY ON THE EAST SIDE OF THE CREEK NEAR THE MAIN AREA OF ACTIVITY IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" FOR THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0238

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/02/76	2	93.5	93.5	94.	93.	0.5	0.707	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-09/02/76	2	0.665	0.665	1.	0.33	0.224	0.474	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/02/76	2	7.55	7.55	7.6	7.5	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-09/02/76	2	7.547	7.547	7.6	7.5	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/02/76	2	0.028	0.028	0.032	0.025	0.	0.005	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/02/76	2	5.5	5.5	6.5	4.5	2.	1.414	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-09/02/76	2	4.797	4.797	6.5	4.5	2.989	1.729	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/02/76	2	15.97	15.97	31.623	0.316	490.05	22.137	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/02/76	2	47.5	47.5	54.	41.	84.5	9.192	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/02/76	2	19.7	19.7	23.	16.4	21.78	4.667	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/02/76	2	3.05	3.05	3.4	2.7	0.245	0.495	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/02/76	2	98.	98.	100.	96.	8.	2.828	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/02/76	2	14.25	14.25	14.3	14.2	0.005	0.071	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/02/76	2	4.	4.	5.	3.	2.	1.414	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/02/76	2	148.5	148.5	294.	3.	42340.5	205.768	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/02/76	2	0.705	0.705	0.75	0.66	0.004	0.064	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/02/76	2	105.	105.	115.	95.	200.	14.142	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/02/76	2	4500.	4500.	5100.	3900.	720000.	848.528	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/02/76	2	10.	10.	10.	10.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	09/02/76-09/02/76	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: LAVO0238

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	1	0.50	2	1	0.50									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: LAVO0239

NPS Station ID: LAVO0239 LAT/LON: 40.391392/-121.523337 Agency: 11NPSWRD Date Created: 11/21/98
Location: SPRING ACROSS FROM LITTLE GROWLER HOT SPRING FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_GHSLG
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE SPRING ACROSS FROM LITTLE GROWLER AT GROWLER/MORGAN HOT SPRINGS IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0239

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/75-07/16/75	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/16/75-07/16/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/16/75-07/16/75	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/16/75-07/16/75	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/16/75-07/16/75	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/16/75-07/16/75	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/75-07/16/75	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/16/75-07/16/75	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/75-07/16/75	1	92.	92.	92.	92.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/75-07/16/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/75-07/16/75	1	1380.	1380.	1380.	1380.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/75-07/16/75	1	165.	165.	165.	165.	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/75-07/16/75	1	2313.	2313.	2313.	2313.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/75-07/16/75	1	123.	123.	123.	123.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/75-07/16/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/16/75-07/16/75	1	101.	101.	101.	101.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/16/75-07/16/75	1	24300.	24300.	24300.	24300.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	07/16/75-07/16/75	1	1700.	1700.	1700.	1700.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/16/75-07/16/75	1	90000.	90000.	90000.	90000.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	07/16/75-07/16/75	1	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	07/16/75-07/16/75	1	3200.	3200.	3200.	3200.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/16/75-07/16/75	1	8200.	8200.	8200.	8200.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	07/16/75-07/16/75	1	2130.	2130.	2130.	2130.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0239

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/16/75-07/16/75	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/16/75-07/16/75	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
82298	BROMIDE DISSOLVED AS BR IN WATER UG/L	07/16/75-07/16/75	1	11400.	11400.	11400.	11400.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0239

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------8/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/31---------- Obs	Exceed	Prop.	----------6/01-8/14---------- Obs	Exceed	Prop.	--------------n/a-------------- Obs	Exceed	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			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	1	1.00							1	1	1.00			
		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			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	1	1.00							1	1	1.00			
		Drinking Water	50.	1	1	1.00							1	1	1.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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: LAVO0240

NPS Station ID: LAVO0240 LAT/LON: 40.455003/-121.526115 Agency: 11NPSWRD Date Created: 11/21/98
Location: CREEK BELOW MUDPOTS AT LITTLE HOT SPRINGS VALLEY FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_LHSVM
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT LITTLE HOT SPRINGS VALLEY ON THE EAST SIDE OF THE CREEK BELOW THE MUDPOT NEAR THE NOISY FUMAR IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0240

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/79-08/01/79	1	88.	88.	88.	88.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/01/79-08/01/79	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/79-08/01/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/79-08/01/79	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/79-08/01/79	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/79-08/01/79	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/79-08/01/79	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/79-08/01/79	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/01/79-08/01/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/79-08/01/79	1	39.7	39.7	39.7	39.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/79-08/01/79	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/79-08/01/79	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/79-08/01/79	1	15.3	15.3	15.3	15.3	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/79-08/01/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/79-08/01/79	1	220.	220.	220.	220.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/79-08/01/79	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/79-08/01/79	1	152.	152.	152.	152.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/01/79-08/01/79	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/79-08/01/79	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/01/79-08/01/79	1	160.	160.	160.	160.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/79-08/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/79-08/01/79	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	08/01/79-08/01/79	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0240

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0241

NPS Station ID: LAVO0241 LAT/LON: 40.455003/-121.527227 Agency: 11NPSWRD Date Created: 11/21/98
Location: SMALL WARM SPRING AT LITTLE HOT SPRINGS VALLEY FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_LHSVS
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT THE NORTH END OF LITTLE HOT SPRINGS VALLEY AT THE SMALL WARM SPRING ON THE WEST SIDE OF THE CREEK IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0241

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/79-08/01/79	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/01/79-08/01/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/01/79-08/01/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/01/79-08/01/79	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/79-08/01/79	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/01/79-08/01/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/01/79-08/01/79	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/79-08/01/79	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/01/79-08/01/79	1	425.	425.	425.	425.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/01/79-08/01/79	1	102.	102.	102.	102.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/01/79-08/01/79	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/01/79-08/01/79	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/01/79-08/01/79	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/01/79-08/01/79	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/01/79-08/01/79	1	101.	101.	101.	101.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/01/79-08/01/79	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/01/79-08/01/79	1	133.	133.	133.	133.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/01/79-08/01/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/01/79-08/01/79	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	08/01/79-08/01/79	1 ##	200.	200.	200.	200.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/01/79-08/01/79	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	08/01/79-08/01/79	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: LAVO0241

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0242

NPS Station ID: LAVO0242 LAT/LON: 40.468060/-121.531116 Agency: 11NPSWRD Date Created: 11/21/98
Location: FE2 DEPOSITING SPRING AT SULPHUR WORKS FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_SWS
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020118 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE FES2 DEPOSITING SPRING AT THE PROTALUS GROUP AT SULPHUR WORKS IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0242

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/03/76	2	89.	89.	91.	87.	8.	2.828	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-09/03/76	2	0.375	0.375	0.5	0.25	0.031	0.177	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/03/76	2	7.95	7.95	8.2	7.7	0.125	0.354	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-09/03/76	2	7.882	7.882	8.2	7.7	0.134	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/03/76	2	0.013	0.013	0.02	0.006	0.	0.01	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/03/76	2	6.1	6.1	6.2	6.	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-09/03/76	2	6.089	6.089	6.2	6.	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/03/76	2	0.815	0.815	1.	0.631	0.068	0.261	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/03/76	2	86.	86.	94.	78.	128.	11.314	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/03/76	2	12.6	12.6	13.6	11.6	2.	1.414	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/03/76	2	2.05	2.05	2.1	2.	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/03/76	2	31.5	31.5	35.	28.	24.5	4.95	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/03/76	2	9.2	9.2	10.	8.4	1.28	1.131	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/03/76	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/03/76	2	71.5	71.5	77.	66.	60.5	7.778	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/03/76	2	0.2	0.2	0.25	0.15	0.005	0.071	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/03/76	2	117.5	117.5	123.	112.	60.5	7.778	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/03/76	2 ##	475.	475.	900.	50.	361250.	601.041	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/03/76-09/03/76	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/03/76-09/03/76	1 ##	20.	20.	20.	20.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/03/76	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: LAVO0242

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: LAVO0243

NPS Station ID: LAVO0243
LAT/LON: 40.435559/-121.533338
Agency: 21CAL-3
Date Created: 11/29/86
Location: 52-500 FOREST CREEK (CHALET SYSTEM)
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): A52/500-INTAKE
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
DIST 01 LASSEN VOLCANIC NATIONAL PARK

Parameter Inventory for Station: LAVO0243

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/10/80-02/19/87	4	290.5	275.25	300.	220.	1436.917	37.907	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/10/80-02/19/87	4	4.2	4.125	4.4	3.7	0.096	0.31	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/10/80-02/19/87	4	4.189	4.035	4.4	3.7	0.107	0.326	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/10/80-02/19/87	4	64.776	92.222	199.526	39.811	5399.13	73.479	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/23/83-02/19/87	2	1.5	1.5	3.	0.	4.5	2.121	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/10/80-02/19/87	4	0.	1.5	6.	0.	9.	3.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/10/80-02/19/87	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/10/80-02/19/87	4	94.	90.75	105.	70.	220.917	14.863	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/10/80-02/19/87	4	33.5	32.575	38.	25.3	29.523	5.433	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/10/80-02/19/87	4	2.45	2.35	3.	1.5	0.523	0.723	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/10/80-02/19/87	4	8.45	8.2	9.	6.9	1.02	1.01	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/10/80-02/19/87	4	1.25	1.375	2.	1.	0.203	0.45	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/10/80-02/19/87	4 ##	1.55	2.538	7.	0.05	10.752	3.279	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/10/80-02/19/87	4	111.	104.	115.	79.	284.	16.852	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/10/80-02/19/87	5	0.1	0.122	0.24	0.	0.011	0.105	**	**	**	**
01501	ALPHA, TOTAL	02/23/84-12/04/86	3	0.	0.267	0.8	0.	0.213	0.462	**	**	**	**
01502	ALPHA, TOTAL, COUNTING ERROR	02/23/84-12/04/86	3	0.2	0.367	0.8	0.1	0.143	0.379	**	**	**	**
03501	BETA, TOTAL	02/23/84-05/01/84	2	0.9	0.9	1.	0.8	0.02	0.141	**	**	**	**
03502	BETA, TOTAL, COUNTING ERROR	02/23/84-05/01/84	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32104	BROMOFORM,WHOLE WATER,UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106	CHLOROFORM,WHOLE WATER,UG/L	10/31/86-10/31/86	1	29.	29.	29.	29.	0.	0.	**	**	**	**
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	10/31/86-10/31/86	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0243

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34531	1,2-DICHLOROETHANE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE TOTWUG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34704	CIS-1,3-DICHLOROPROPENE TOTAL IN WATER UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/10/80-02/19/87	4 ##	0.018	0.015	0.025	0.	0.	0.012	**	**	**	**
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	03/10/80-12/11/85	2 ##	2.525	2.525	5.	0.05	12.251	3.5	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/10/80-12/11/85	2 ##	1.013	1.013	2.	0.025	1.95	1.397	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/10/80-12/11/85	2 ##	0.063	0.063	0.1	0.025	0.003	0.053	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/10/80-12/11/85	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	03/10/80-12/11/85	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/10/80-12/11/85	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/10/80-02/19/87	4	158.	171.	225.	143.	1388.667	37.265	**	**	**	**
71814	LANGELIER INDEX, CORROSIVITY, WATER, INDEX NUMBER	08/23/83-08/23/83	1	-5.6	-5.6	-5.6	-5.6	0.	0.	**	**	**	**
71830	HYDROXIDE ION (MG/L AS OH)	08/23/83-02/19/87	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/10/80-02/19/87	5 ##	0.2	0.249	0.5	0.02	0.058	0.24	**	**	**	**
81551	XYLENE WHL WATER SMPL UG/L	10/31/86-10/31/86	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0243

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00	4	0	0.00									
		Other-Lo Lim.	6.5	4	4	1.00	4	4	1.00									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	4	0	0.00									
		Drinking Water	250.	4	0	0.00	4	0	0.00									
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	4	0	0.00	4	0	0.00									
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	5	0	0.00	5	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									
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32105	DIBROMOCHLOROMETHANE, 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									
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00	1	0	0.00									
		Drinking Water	1000.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	1	0	0.00	1	0	0.00									
34423	METHYLENE CHLORIDE, TOTAL	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									
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00	1	0	0.00									
		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									
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									
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SA	Drinking Water	50.	2	0	0.00	2	0	0.00									
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	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

EPA Water Quality Criteria Analysis for Station: LAVO0243

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1 &	0	0.00	1	0	0.00									
		Drinking Water	0.2	1 &	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1 &	0	0.00	1	0	0.00									
		Drinking Water	3.	2	0	0.00	2	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1 &	0	0.00	1	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00	2	0	0.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	5	0	0.00	5	0	0.00									

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

Station Inventory for Station: LAVO0244

NPS Station ID: LAVO0244 LAT/LON: 40.448892/-121.533615 Agency: 112WRD Date Created: 12/19/81
Location: WF SULPHUR C AT SULPHUR WORKS NR MINERAL CA FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 402656121320100
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0244

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/23/81-09/09/81	2	8.5	8.5	10.5	6.5	8.	2.828	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/23/81-06/23/81	1	607.	607.	607.	607.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/23/81-09/09/81	2	4.	4.	7.	1.	18.	4.243	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/23/81-09/09/81	2	1.1	1.1	1.5	0.7	0.32	0.566	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/23/81-09/09/81	2	144.5	144.5	176.	113.	1984.5	44.548	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/23/81-09/09/81	2	9.1	9.1	9.6	8.6	0.5	0.707	**	**	**	**
00400	PH (STANDARD UNITS)	06/23/81-09/09/81	2	7.05	7.05	7.2	6.9	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/23/81-09/09/81	2	7.025	7.025	7.2	6.9	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/81-09/09/81	2	0.094	0.094	0.126	0.063	0.002	0.044	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/23/81-09/09/81	2	6.5	6.5	6.6	6.4	0.02	0.141	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/23/81-09/09/81	2	6.489	6.489	6.6	6.4	0.02	0.142	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/23/81-09/09/81	2	0.325	0.325	0.398	0.251	0.011	0.104	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/23/81-09/09/81	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/23/81-06/23/81	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/23/81-09/09/81	2	0.56	0.56	0.63	0.49	0.01	0.099	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/23/81-09/09/81	2	0.345	0.345	0.44	0.25	0.018	0.134	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/23/81-09/09/81	2	0.315	0.315	0.36	0.27	0.004	0.064	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/23/81-09/09/81	2	0.135	0.135	0.18	0.09	0.004	0.064	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/23/81-09/09/81	2	0.1	0.1	0.14	0.06	0.003	0.057	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/23/81-09/09/81	2	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/23/81-09/09/81	2	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/23/81-09/09/81	2	0.445	0.445	0.5	0.39	0.006	0.078	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/23/81-09/09/81	2 ##	0.048	0.048	0.05	0.045	0.	0.004	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/23/81-09/09/81	2 ##	0.043	0.043	0.045	0.04	0.	0.004	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/23/81-09/09/81	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/23/81-09/09/81	2	0.03	0.03	0.05	0.01	0.001	0.028	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/23/81-09/09/81	2	1.45	1.45	2.4	0.5	1.805	1.344	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/23/81-09/09/81	2	49.	49.	62.	36.	338.	18.385	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/23/81-09/09/81	2	39.5	39.5	52.	27.	312.5	17.678	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/23/81-09/09/81	2	16.5	16.5	21.	12.	40.5	6.364	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/23/81-09/09/81	2	1.9	1.9	2.4	1.4	0.5	0.707	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/23/81-09/09/81	2	5.95	5.95	7.5	4.4	4.805	2.192	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/23/81-09/09/81	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00932	SODIUM, PERCENT	06/23/81-09/09/81	2	20.5	20.5	21.	20.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/23/81-09/09/81	2	1.35	1.35	1.7	1.	0.245	0.495	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/23/81-09/09/81	2	2.05	2.05	4.	0.1	7.605	2.758	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/23/81-09/09/81	2	53.5	53.5	67.	40.	364.5	19.092	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/23/81-09/09/81	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

Parameter Inventory for Station: LAVO0244

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/23/81-09/09/81	2	45.	45.	51.	39.	72.	8.485	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/23/81-09/09/81	2	140.5	140.5	167.	114.	1404.5	37.477	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/23/81-09/09/81	2	134.5	134.5	164.	105.	1740.5	41.719	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/23/81-09/09/81	2	1.3	1.3	2.06	0.54	1.155	1.075	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/23/81-09/09/81	2	0.195	0.195	0.23	0.16	0.002	0.049	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/23/81-09/09/81	2	0.175	0.175	0.23	0.12	0.006	0.078	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/23/81-09/09/81	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/23/81-06/23/81	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/23/81-06/23/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0244

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	1	0.50	1	0	0.00				1	1	1.00			
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			
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			

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

Station Inventory for Station: LAVO0245

NPS Station ID: LAVO0245 LAT/LON: 40.457781/-121.534171 Agency: 11NPSWRD Date Created: 11/21/98
Location: TRAVERTINE DEPOSITING SPRING AT SULPHUR WORKS FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_SWT
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE TRAVERTINE DEPOSITING SPRING BELOW THE SOUTHWEST OF SULPHUR WORKS IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0245

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/02/76	2	83.5	83.5	84.	83.	0.5	0.707	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-09/02/76	2	3.	3.	4.	2.	2.	1.414	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/02/76	2	7.9	7.9	8.1	7.7	0.08	0.283	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-09/02/76	2	7.855	7.855	8.1	7.7	0.084	0.29	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/02/76	2	0.014	0.014	0.02	0.008	0.	0.008	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/02/76	2	6.7	6.7	6.9	6.5	0.08	0.283	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-09/02/76	2	6.655	6.655	6.9	6.5	0.084	0.29	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/02/76	2	0.221	0.221	0.316	0.126	0.018	0.135	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/02/76	2	191.	191.	267.	115.	11552.	107.48	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/02/76	2	173.5	173.5	188.	159.	420.5	20.506	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/02/76	2	37.75	37.75	38.	37.5	0.125	0.354	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/02/76	2	69.	69.	70.	68.	2.	1.414	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/02/76	2	14.05	14.05	14.4	13.7	0.245	0.495	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/02/76	2	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/02/76	2	504.	504.	514.	494.	200.	14.142	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/02/76	2	0.495	0.495	0.52	0.47	0.001	0.035	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/02/76	2	147.	147.	154.	140.	98.	9.899	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/76-09/02/76	2	1800.	1800.	2000.	1600.	80000.	282.843	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/02/76	2	850.	850.	1200.	500.	245000.	494.975	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/02/76-09/02/76	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/02/76-09/02/76	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/76-09/02/76	2	75.	75.	80.	70.	50.	7.071	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/02/76	2	20.	20.	20.	20.	0.	0.	**	**	**	**
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/76-09/02/76	2	130.	130.	140.	120.	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

EPA Water Quality Criteria Analysis for Station: LAVO0245

Parameter				Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	2	1.00	2	2	1.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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

Station Inventory for Station: LAVO0246

NPS Station ID: LAVO0246 | LAT/LON: 40.429976/-121.534921 | Agency: 11NPSWRD | Date Created: 12/19/98
Location: UNNAMED CREEK | FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): LAVO_USGS_UC
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020119 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED CREEK IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE DATA COME FROM A USGS SUMMARY OF A BRIEF FIELD SURVEY OF LASSEN VOLCANIC NATIONAL PARK MADE IN AUGUST 1973 BY E.J. MCCLELLAND OF THE SACRAMENTO USGS OFFICE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE TOWNSHIP AND RANGE DESCRIPTION AND THE BEST APPROXIMATION AT A WATER BODY IN THAT SECTION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/24/73-08/24/73	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/24/73-08/24/73	1	257.	257.	257.	257.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/24/73-08/24/73	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/24/73-08/24/73	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/24/73-08/24/73	1	31.623	31.623	31.623	31.623	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/24/73-08/24/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	08/24/73-08/24/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/24/73-08/24/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/24/73-08/24/73	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/24/73-08/24/73	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/24/73-08/24/73	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/24/73-08/24/73	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/24/73-08/24/73	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/24/73-08/24/73	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/24/73-08/24/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/24/73-08/24/73	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/24/73-08/24/73	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/24/73-08/24/73	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/24/73-08/24/73	1	110.	110.	110.	110.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0246

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/24/73-08/24/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/24/73-08/24/73	1	54.	54.	54.	54.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/24/73-08/24/73	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/24/73-08/24/73	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/24/73-08/24/73	1	90.	90.	90.	90.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/24/73-08/24/73	1	206.	206.	206.	206.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/24/73-08/24/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0246

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
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									
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: LAVO0247

NPS Station ID: LAVO0247
LAT/LON: 40.448642/-121.535477
Agency: 11NPSWRD
Date Created: 10/03/98
Location: SULFUR WORKS
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_SW
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT SULFUR WORKS IN LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY MUFFLER; NEHRING; TRUESDELL; JANIK; CLYNNE; AND THOMPSON AS PART OF A REPORT TITLED "THE LASSEN GEOTHERMAL SYSTEM" FOR THE USGS FROM THE PROCEEDINGS OF THE 1982 GEOTHERMAL CONFERENCE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE STATION DESCRIPTION GIVEN IN THE REPORT. DATES ARE GIVEN AS MONTH AND YEAR IN THE REPORT; SO THE DATES HAVE BEEN ESTIMATED AS THE 15TH OF THE MONTH. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0247

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/15/75-07/15/75	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/15/75-07/15/75	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/15/75-07/15/75	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/15/75-07/15/75	1	12589.254	12589.254	12589.254	12589.254	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/15/75-07/15/75	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/15/75-07/15/75	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/15/75-07/15/75	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/15/75-07/15/75	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/15/75-07/15/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/15/75-07/15/75	1	938.	938.	938.	938.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/15/75-07/15/75	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/15/75-07/15/75	1	213.	213.	213.	213.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/15/75-07/15/75	1	4400.	4400.	4400.	4400.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/15/75-07/15/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/15/75-07/15/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/15/75-07/15/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
74073	FLOW LITERS/MIN	07/15/75-07/15/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
82039	DISSOLVED-SODIUM UG/L (AS NA)	07/15/75-07/15/75	1	11000.	11000.	11000.	11000.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0247

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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			
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			

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

Station Inventory for Station: LAVO0248

NPS Station ID: LAVO0248
LAT/LON: 40.429865/-121.535671
Agency: 11NPSWRD
Date Created: 11/21/98
Location: CREEK OFF BROKEOFF MOUNTAIN
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_CSBM
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020119
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT THE CREEK OFF BROKEOFF MOUNTAIN IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. THE STATION COORDINATES PROVIDED IN THE REPORT WERE NOT USED FOR THIS STATION SINCE THEIR ACCURACY WAS QUESTIONABLE. THE STATION COORDINATES USED WERE A BEST ESTIMATE BY THE NATIONAL PARK SERVICE; WATER RESOURCES DIVISION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/79-08/22/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/22/79-08/22/79	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/22/79-08/22/79	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/79-08/22/79	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/22/79-08/22/79	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/79-08/22/79	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/79-08/22/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/79-08/22/79	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/79-08/22/79	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/22/79-08/22/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/22/79-08/22/79	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/22/79-08/22/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/22/79-08/22/79	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/22/79-08/22/79	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/22/79-08/22/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0248

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0249

NPS Station ID: LAVO0249
LAT/LON: 40.472226/-121.536670
Agency: 112WRD
Date Created: 12/19/81
Location: SODA SPRINGS NR SODA LAKE NR MINERAL CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 402820121321200
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/81-07/02/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/02/81-07/02/81	1	570.	570.	570.	570.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/02/81-07/02/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/02/81-07/02/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/02/81-07/02/81	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/02/81-07/02/81	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/81-07/02/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/81-07/02/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/81-07/02/81	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/02/81-07/02/81	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/02/81-07/02/81	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/81-07/02/81	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/02/81-07/02/81	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/02/81-07/02/81	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/02/81-07/02/81	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/02/81-07/02/81	1	0.98	0.98	0.98	0.98	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	07/02/81-07/02/81	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/02/81-07/02/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/02/81-07/02/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/02/81-07/02/81	1	0.48	0.48	0.48	0.48	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	07/02/81-07/02/81	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/02/81-07/02/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/02/81-07/02/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/02/81-07/02/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/02/81-07/02/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/02/81-07/02/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/02/81-07/02/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/02/81-07/02/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/02/81-07/02/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/02/81-07/02/81	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/02/81-07/02/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/02/81-07/02/81	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/02/81-07/02/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/02/81-07/02/81	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/02/81-07/02/81	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/02/81-07/02/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/02/81-07/02/81	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/02/81-07/02/81	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: LAVO0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/02/81-07/02/81	1	39.	39.	39.	39.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/02/81-07/02/81	1	74.	74.	74.	74.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/02/81-07/02/81	1	78.	78.	78.	78.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/02/81-07/02/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/02/81-07/02/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/02/81-07/02/81	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	07/02/81-07/02/81	1	0.8	0.8	0.8	0.8	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: LAVO0249

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0250

NPS Station ID: LAVO0250
LAT/LON: 40.460004/-121.537782
Agency: 11NPSWRD
Date Created: 11/21/98
Location: MAIN HOT AREA OF SULPHUR WORKS
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_SWMHA
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS IN THE MIDST OF THE MAIN HOT AREA OF SULPHUR WORKS IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED " CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0250

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/17/75-07/17/75	2	62.	62.	86.	38.	1152.	33.941	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	07/17/75-07/17/75	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/17/75-07/17/75	2	2.7	2.7	3.1	2.3	0.32	0.566	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/17/75-07/17/75	2	2.537	2.537	3.1	2.3	0.373	0.611	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/75-07/17/75	2	2903.1	2903.1	5011.872	794.328	8893839.124	2982.254	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	07/17/75-07/17/75	2	2.95	2.95	4.	1.9	2.205	1.485	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/17/75-07/17/75	2	2.198	2.198	4.	1.9	3.337	1.827	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/17/75-07/17/75	2	6344.627	6344.627	12589.254	100.	77990734.211	8831.236	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/17/75-07/17/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/17/75-07/17/75	2	4.9	4.9	8.8	1.	30.42	5.515	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/17/75-07/17/75	2	5.75	5.75	9.8	1.7	32.805	5.728	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/17/75-07/17/75	2	6.25	6.25	11.	1.5	45.125	6.718	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/17/75-07/17/75	2	6.65	6.65	8.3	5.	5.445	2.333	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/17/75-07/17/75	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/17/75-07/17/75	2	545.5	545.5	938.	153.	308112.5	555.079	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/17/75-07/17/75	2	0.37	0.37	0.39	0.35	0.001	0.028	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/17/75-07/17/75	2	157.5	157.5	213.	102.	6160.5	78.489	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	07/17/75-07/17/75	2 ##	2225.	2225.	4400.	50.	9461250.	3075.914	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	07/17/75-07/17/75	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/17/75-07/17/75	2	15.205	15.205	30.	0.41	437.784	20.923	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	07/17/75-07/17/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
82042	HYDROGEN, DISSOLVED IN WATER (UG/L AS H)	07/17/75-07/17/75	2	7700.	7700.	12400.	3000.	44180000.	6646.804	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0250

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00							2	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00							2	2	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00							2	0	0.00			
		Drinking Water	250.	2	0	0.00							2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	1	0.50							2	1	0.50			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00							2	0	0.00			

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

Station Inventory for Station: LAVO0251

NPS Station ID: LAVO0251 LAT/LON: 40.457503/-121.538060 Agency: 11NPSWRD Date Created: 11/21/98
Location: FES2 DEPOSITING SPRING AT SULPHUR WORKS FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): LAVO_USGS_SWSSW
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE FES2 DEPOSITING SPRING AT THE UPPER SOUTHWEST OF SULPHUR WORKS IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/15/76-09/03/76	2	84.5	84.5	88.	81.	24.5	4.95	**	**	**	**
00058	FLOW, RATE GALLONS/MIN	08/15/76-09/03/76	2	0.625	0.625	1.	0.25	0.281	0.53	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/15/76-09/03/76	2	8.25	8.25	8.3	8.2	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/15/76-09/03/76	2	8.247	8.247	8.3	8.2	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/03/76	2	0.006	0.006	0.006	0.005	0.	0.001	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/15/76-09/03/76	2	7.1	7.1	7.2	7.	0.02	0.141	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/15/76-09/03/76	2	7.089	7.089	7.2	7.	0.02	0.142	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/15/76-09/03/76	2	0.082	0.082	0.1	0.063	0.001	0.026	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/15/76-09/03/76	2	249.5	249.5	269.	230.	760.5	27.577	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/15/76-09/03/76	2	121.	121.	127.	115.	72.	8.485	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/15/76-09/03/76	2	27.35	27.35	28.2	26.5	1.445	1.202	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/15/76-09/03/76	2	3.	3.	3.	3.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/15/76-09/03/76	2	2.85	2.85	3.	2.7	0.045	0.212	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/15/76-09/03/76	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/15/76-09/03/76	2	241.5	241.5	246.	237.	40.5	6.364	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/15/76-09/03/76	2	0.645	0.645	0.77	0.52	0.031	0.177	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/15/76-09/03/76	2	45.5	45.5	52.	39.	84.5	9.192	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/15/76-09/03/76	2	1050.	1050.	1300.	800.	125000.	353.553	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/15/76-09/03/76	2 ##	425.	425.	800.	50.	281250.	530.33	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/03/76-09/03/76	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/03/76-09/03/76	1	800.	800.	800.	800.	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	08/15/76-09/03/76	2	305.	305.	320.	290.	450.	21.213	**	**	**	**
01115	CESIUM, DISSOLVED (UG/L AS CS)	08/15/76-09/03/76	2	55.	55.	60.	50.	50.	7.071	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/15/76-09/03/76	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: LAVO0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01135	RUBIDIUM, DISSOLVED (UG/L AS RB)	08/15/76-09/03/76	2	85.	85.	90.	80.	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

EPA Water Quality Criteria Analysis for Station: LAVO0251

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
		Drinking Water	250.	2	0	0.00	2	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00	2	0	0.00									
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00	2	0	0.00									

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

Station Inventory for Station: LAVO0252

NPS Station ID: LAVO0252 LAT/LON: 40.453892/-121.539170 Agency: 112WRD Date Created: 12/19/81
Location: NO NAME SPRINGS NR SULPHUR WORKS NR MINERAL CA FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 402714121322100
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020119 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020119 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0252

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/30/81-06/30/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/30/81-06/30/81	1	595.	595.	595.	595.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/30/81-06/30/81	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/30/81-06/30/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/30/81-06/30/81	1	96.	96.	96.	96.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/30/81-06/30/81	1	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/30/81-06/30/81	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/30/81-06/30/81	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/81-06/30/81	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/30/81-06/30/81	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/30/81-06/30/81	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/30/81-06/30/81	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/30/81-06/30/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/30/81-06/30/81	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.55	0.55	0.55	0.55	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/30/81-06/30/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.34	0.34	0.34	0.34	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/30/81-06/30/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/30/81-06/30/81	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/30/81-06/30/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/30/81-06/30/81	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/30/81-06/30/81	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/30/81-06/30/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/30/81-06/30/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/30/81-06/30/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/30/81-06/30/81	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/30/81-06/30/81	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/30/81-06/30/81	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/30/81-06/30/81	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/30/81-06/30/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/30/81-06/30/81	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/30/81-06/30/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/30/81-06/30/81	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/30/81-06/30/81	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/30/81-06/30/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/30/81-06/30/81	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/30/81-06/30/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0252

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/30/81-06/30/81	1	32.	32.	32.	32.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/30/81-06/30/81	1	88.	88.	88.	88.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/30/81-06/30/81	1	92.	92.	92.	92.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/30/81-06/30/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/30/81-06/30/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/30/81-06/30/81	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/30/81-06/30/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0252

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0253

NPS Station ID: LAVO0253
LAT/LON: 40.402505/-121.548338
Agency: 11NPSWRD
Date Created: 11/21/98
Location: HEADWATERS OF NANNY CREEK
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_CSNC
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE LASSEN PEAK 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT THE HEADWATERS OF NANNY CREEK OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED BY J. MICHAEL THOMPSON IN A 1983 REPORT TITLED "CHEMICAL ANALYSES OF THERMAL AND NONTHERMAL SPRINGS IN LASSEN VOLCANIC NATIONAL PARK AND VICINITY" BY THE USGS. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0253

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/22/79-08/22/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/22/79-08/22/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/22/79-08/22/79	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/79-08/22/79	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	08/22/79-08/22/79	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	08/22/79-08/22/79	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/22/79-08/22/79	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/22/79-08/22/79	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/22/79-08/22/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/22/79-08/22/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/22/79-08/22/79	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/22/79-08/22/79	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/22/79-08/22/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/22/79-08/22/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/22/79-08/22/79	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/22/79-08/22/79	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/22/79-08/22/79	1	170.	170.	170.	170.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	08/22/79-08/22/79	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0253

Parameter				Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
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									
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
		Drinking Water	250.	1	0	0.00	1	0	0.00									
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									

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

Station Inventory for Station: LAVO0254

NPS Station ID: LAVO0254 LAT/LON: 40.533615/-121.549171 Agency: 112WRD Date Created: 12/19/81
Location: MANZANITA LAKE SPRINGS NR MANZANITA LAKE CA FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING STORET Station ID(s): 403201121325700
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020118 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/81-07/01/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/01/81-07/01/81	1	613.	613.	613.	613.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/01/81-07/01/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/01/81-07/01/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/81-07/01/81	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/81-07/01/81	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/81-07/01/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/81-07/01/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/81-07/01/81	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/01/81-07/01/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/01/81-07/01/81	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/81-07/01/81	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.59	0.59	0.59	0.59	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	07/01/81-07/01/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/01/81-07/01/81	1	0.59	0.59	0.59	0.59	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/81-07/01/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/01/81-07/01/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/01/81-07/01/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/81-07/01/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/01/81-07/01/81	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/01/81-07/01/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/81-07/01/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-07/01/81	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-07/01/81	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/01/81-07/01/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/01/81-07/01/81	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-07/01/81	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/01/81-07/01/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/81-07/01/81	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/01/81-07/01/81	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: LAVO0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/01/81-07/01/81	1	46.	46.	46.	46.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/01/81-07/01/81	1	128.	128.	128.	128.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/01/81-07/01/81	1	95.	95.	95.	95.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/01/81-07/01/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/01/81-07/01/81	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/01/81-07/01/81	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	07/01/81-07/01/81	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0254

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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.	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: LAVO0255

NPS Station ID: LAVO0255 LAT/LON: 40.531948/-121.554171 Agency: 21CAL-3 Date Created: 11/29/86
Location: 45-509 MANZANITA CREEK (MANZANITA LAKE) FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM STORET Station ID(s): A45/509-INTAKE
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 0 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020118 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
DIST 01 LASSEN VOLCANIC NATIONAL PARK

Parameter Inventory for Station: LAVO0255

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/20/79-06/30/85	3	100.	96.333	105.	84.	120.333	10.97	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/20/79-06/30/85	3	6.9	7.233	7.9	6.9	0.333	0.577	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/20/79-06/30/85	3	6.9	7.055	7.9	6.9	0.381	0.617	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/20/79-06/30/85	3	0.126	0.088	0.126	0.013	0.004	0.065	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/20/79-03/20/79	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/20/79-06/30/85	3	60.	56.667	61.	49.	44.333	6.658	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	07/23/80-07/23/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/20/79-06/30/85	3	39.	38.	42.	33.	21.	4.583	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/20/79-06/30/85	3	11.	10.733	12.	9.2	2.013	1.419	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/20/79-06/30/85	3	2.7	2.7	3.	2.4	0.09	0.3	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/20/79-06/30/85	3	4.5	4.567	6.	3.2	1.963	1.401	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/20/79-06/30/85	3	1.7	1.7	2.	1.4	0.09	0.3	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/20/79-06/30/85	3 ##	0.1	0.733	2.	0.1	1.203	1.097	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/20/79-06/30/85	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/20/79-06/30/85	4 ##	0.06	0.066	0.12	0.025	0.002	0.04	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/20/79-06/30/85	3 ##	0.015	0.015	0.025	0.005	0.	0.01	**	**	**	**
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	03/20/79-06/30/85	2 ##	2.525	2.525	5.	0.05	12.251	3.5	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/20/79-06/30/85	2 ##	1.013	1.013	2.	0.025	1.95	1.397	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/20/79-06/30/85	2 ##	0.063	0.063	0.1	0.025	0.003	0.053	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/20/79-06/30/85	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	03/20/79-06/30/85	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/20/79-06/30/85	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/20/79-06/30/85	3	81.	85.	96.	78.	93.	9.644	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/20/79-06/30/85	4 ##	0.2	0.231	0.5	0.025	0.046	0.213	**	**	**	**

** - 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

EPA Water Quality Criteria Analysis for Station: LAVO0255

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	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			

& - 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: LAVO0255

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00				1	0	0.00	2	0	0.00			
		Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00				1	0	0.00	2	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	1	0	0.00	1	0	0.00	2	0	0.00			
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SA	Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1 &	0	0.00				1	0	0.00						
		Drinking Water	0.2	1 &	0	0.00				1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	2.	2	0	0.00				1	0	0.00	1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1 &	0	0.00				1	0	0.00						
		Drinking Water	3.	2	0	0.00				1	0	0.00	1	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1 &	0	0.00				1	0	0.00						
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00				1	0	0.00	1	0	0.00			
71850	NITRATE NITROGEN, TOTAL (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: LAVO0256

NPS Station ID: LAVO0256
LAT/LON: 40.532920/-121.555588
Agency: 11NPSWRD
Date Created: 12/19/98
Location: MANZANITA CREEK
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_USGS_MCR
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MANZANITA LAKE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT MANZANITA CREEK IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE DATA COME FROM A USGS SUMMARY OF A BRIEF FIELD SURVEY OF LASSEN VOLCANIC NATIONAL PARK MADE IN AUGUST 1973 BY E.J. MCCLELLAND OF THE SACRAMENTO USGS OFFICE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE TOWNSHIP AND RANGE DESCRIPTION AND THE BEST APPROXIMATION AT A WATER BODY IN THAT SECTION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/18/73-10/18/73	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/73-10/18/73	1	100.	100.	100.	100.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/73-10/18/73	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/73-10/18/73	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/73-10/18/73	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/18/73-10/18/73	1	50.	50.	50.	50.	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	10/18/73-10/18/73	1	61.	61.	61.	61.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/18/73-10/18/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/18/73-10/18/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/18/73-10/18/73	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/18/73-10/18/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/18/73-10/18/73	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/18/73-10/18/73	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/18/73-10/18/73	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/18/73-10/18/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/18/73-10/18/73	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/18/73-10/18/73	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	10/18/73-10/18/73	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	10/18/73-10/18/73	1	1.8	1.8	1.8	1.8	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

Parameter Inventory for Station: LAVO0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/18/73-10/18/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/18/73-10/18/73	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/18/73-10/18/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/18/73-10/18/73	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/18/73-10/18/73	1	80.	80.	80.	80.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	10/18/73-10/18/73	1	89.	89.	89.	89.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/18/73-10/18/73	1	0.12	0.12	0.12	0.12	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: LAVO0256

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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: LAVO0257

NPS Station ID: LAVO0257 LAT/LON: 40.536698/-121.561837 Agency: 11NPSWRD Date Created: 12/05/98
Location: REFLECTION LAKE OUTLET #4 10 FT BELOW SEWER LINE FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_NPS_RFL-O4
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 5895 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020118 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MANZANITA LAKE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT OUTLET #4 OF REFLECTION LAKE 10 FEET BELOW THE MAIN SEWER LINE IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE NATIONAL NATIONAL PARK SERVICE AT LASSEN VOLCANIC NATIONAL PARK. THE DATA COMES FROM THE SPREADSHEET RL_1986.XLS PROVIDED BY LASSEN VOLCANIC NATIONAL PARK. INFORMATION ON FILTERED FRAGMENTS AND UNITS WAS SOMETIMES MISSING; IN THESE CASES THE WATER RESOURCES DIVISION OF THE NATIONAL PARK SERVICE USED THEIR BEST ESTIMATES. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0257

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/86-08/31/86	12	18.5	18.25	21.	14.	3.477	1.865	14.9	17.	19.75	20.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/22/86-08/31/86	12	18.5	18.083	27.	11.	24.447	4.944	11.3	13.25	22.	25.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/86-08/31/86	12	75.	76.583	115.	64.	171.174	13.083	64.	71.	76.	104.8
00300	OXYGEN, DISSOLVED MG/L	07/05/86-08/31/86	10	5.85	5.05	7.8	0.1	5.781	2.404	0.23	4.175	6.425	7.67
00405	CARBON DIOXIDE (MG/L AS CO2)	08/03/86-08/31/86	6	10.	11.667	20.	8.	18.267	4.274	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/22/86-08/31/86	12	7.25	7.206	7.7	6.6	0.13	0.361	6.6	7.	7.503	7.67
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/22/86-08/31/86	12	7.247	7.06	7.7	6.6	0.154	0.392	6.6	7.	7.502	7.67
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/86-08/31/86	12	0.057	0.087	0.251	0.02	0.007	0.081	0.022	0.032	0.1	0.251
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/86-08/31/86	12	0.113	0.115	0.2	0.	0.005	0.071	0.	0.063	0.188	0.2
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/86-08/31/86	21	0.1	0.329	1.5	0.	0.201	0.448	0.	0.05	0.45	1.16
00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/86-08/31/86	12	2.	3.417	20.	1.	28.629	5.351	1.	1.	2.75	15.5
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/86-08/31/86	12 ##	0.	0.625	2.5	0.	1.278	1.131	0.	0.	1.875	2.5
49130	CHLORINE, TOTAL AVAILABLE, DISSOLVED MG/L	06/29/86-08/31/86	11 ##	0.	0.035	0.2	0.	0.006	0.077	0.	0.	0.	0.196
50064	CHLORINE, FREE AVAILABLE (MG/L)	06/29/86-08/31/86	11 ##	0.	0.045	0.2	0.	0.007	0.082	0.	0.	0.1	0.2
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/22/86-08/31/86	9	0.1	0.167	0.4	0.	0.018	0.132	0.	0.1	0.3	0.4
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	06/22/86-08/31/86	12	0.005	0.006	0.02	0.	0.	0.006	0.	0.	0.01	0.017
71875	HYDROGEN SULFIDE (MG/L)	07/17/86-08/24/86	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

EPA Water Quality Criteria Analysis for Station: LAVO0257

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	2	0.20	4	0	0.00				6	2	0.33			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00				8	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00				8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	4	0	0.00				8	0	0.00			
		Drinking Water	250.	12	0	0.00	4	0	0.00				8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	12	0	0.00	4	0	0.00				8	0	0.00			
50064	CHLORINE, FREE AVAILABLE	Fresh Acute	0.019	11	3	0.27	4	0	0.00				7	3	0.43			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	9	0	0.00	2	0	0.00				7	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	12	0	0.00	4	0	0.00				8	0	0.00			

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

Station Inventory for Station: LAVO0258

NPS Station ID: LAVO0258
LAT/LON: 40.536837/-121.562003
Agency: 11NPSWRD
Date Created: 12/19/98
Location: Reflection Lake Culvert Outlet
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_NPS_RFL-1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5895
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located on the downstream end of the culvert at the outlet of Reflection Lake. For further information regarding Lassen Volcanic National Park contact Natural Resources Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0258

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/24/89-11/01/89	18	13.5	11.667	21.	2.	32.941	5.739	2.9	7.	16.25	19.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/24/89-11/01/89	15	13.	11.667	21.	1.	32.952	5.74	3.1	5.	15.	19.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/24/89-05/11/89	9	0.2	0.244	0.5	0.1	0.015	0.124	0.1	0.15	0.3	0.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/23/89-10/30/89	8	67.5	65.625	86.	49.	147.125	12.13	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/11/89-10/30/89	7	7.6	7.829	8.6	7.4	0.259	0.509	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/11/89-10/30/89	7	7.6	7.638	8.6	7.4	0.301	0.549	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/11/89-10/30/89	7	0.025	0.023	0.04	0.003	0.	0.017	**	**	**	**
50040	ELEVATION OF WATER LEVEL WITH REF.TO MEAN SEA L FT	04/03/89-11/01/89	34	5879.625	5879.271	5879.81	5878.06	0.377	0.614	5878.2	5878.485	5879.71	5879.745

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

EPA Water Quality Criteria Analysis for Station: LAVO0258

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	7	0	0.00	7	0	0.00									
		Other-Lo Lim.	6.5	7	0	0.00	7	0	0.00									

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

Station Inventory for Station: LAVO0259

NPS Station ID: LAVO0259 LAT/LON: 40.536809/-121.561976 Agency: 11NPSWRD Date Created: 12/05/98
Location: REFLECTION LK OUTLET #2 UPSTREAM OF SEWER LINE FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_NPS_RFL-O2
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 5895 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020118 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MANZANITA LAKE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT OUTLET #2 OF REFLECTION LAKE 25 FEET UPSTREAM OF THE MAIN SEWER LINE IN LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE NATIONAL PARK SERVICE AT LASSEN VOLCANIC NATIONAL PARK. THE DATA COMES FROM THE SPREADSHEET RL_1986.XLS PROVIDED BY LASSEN VOLCANIC NATIONAL PARK. INFORMATION ON FILTERED FRAGMENTS AND UNITS WAS SOMETIMES MISSING; IN THESE CASES THE WATER RESOURCES DIVISION OF THE NATIONAL PARK SERVICE USED THEIR BEST ESTIMATES. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0259

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/22/86-08/31/86	12	18.	17.917	21.	14.	3.902	1.975	14.3	17.	19.	20.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/22/86-08/31/86	12	19.	18.667	26.	11.	21.879	4.677	11.3	14.5	22.75	25.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/22/86-08/31/86	12	78.	83.917	140.	64.	461.538	21.483	65.2	70.	88.75	131.
00300	OXYGEN, DISSOLVED MG/L	07/05/86-08/31/86	10	5.85	5.51	7.	3.6	1.208	1.099	3.62	4.7	6.325	6.94
00405	CARBON DIOXIDE (MG/L AS CO2)	08/03/86-08/31/86	6	12.	13.667	22.	10.	18.267	4.274	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	06/22/86-08/31/86	12	7.5	7.416	7.94	6.8	0.139	0.373	6.86	7.025	7.763	7.898
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/22/86-08/31/86	12	7.489	7.271	7.94	6.8	0.162	0.403	6.86	7.025	7.762	7.898
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/22/86-08/31/86	12	0.032	0.054	0.158	0.011	0.002	0.046	0.013	0.017	0.095	0.141
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/22/86-08/31/86	12	0.1	0.134	0.6	0.	0.024	0.154	0.015	0.053	0.15	0.465
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/22/86-08/31/86	13	0.05	0.326	3.	0.	0.664	0.815	0.	0.005	0.19	2.
00940	CHLORIDE,TOTAL IN WATER MG/L	06/22/86-08/31/86	12	1.5	4.083	20.	1.	32.629	5.712	1.	1.	5.25	17.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/86-08/31/86	12 ##	0.	0.625	2.5	0.	1.278	1.131	0.	0.	1.875	2.5
49130	CHLORINE, TOTAL AVAILABLE, DISSOLVED MG/L	06/29/86-08/31/86	11 ##	0.	0.041	0.2	0.	0.004	0.066	0.	0.	0.1	0.18
50064	CHLORINE, FREE AVAILABLE (MG/L)	06/29/86-08/31/86	11 ##	0.	0.018	0.1	0.	0.002	0.04	0.	0.	0.	0.1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	06/22/86-08/31/86	9 ##	0.	0.067	0.2	0.	0.008	0.087	0.	0.	0.15	0.2
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	06/22/86-08/31/86	12	0.01	0.011	0.03	0.	0.	0.01	0.	0.001	0.02	0.027
71875	HYDROGEN SULFIDE (MG/L)	07/17/86-08/24/86	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

EPA Water Quality Criteria Analysis for Station: LAVO0259

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	2	0.20	4	0	0.00				6	2	0.33			
00406	PH, FIELD	Fresh Chronic	9.	12	0	0.00	4	0	0.00				8	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00				8	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	4	0	0.00				8	0	0.00			
		Drinking Water	250.	12	0	0.00	4	0	0.00				8	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	12	0	0.00	4	0	0.00				8	0	0.00			
50064	CHLORINE, FREE AVAILABLE	Fresh Acute	0.019	11	2	0.18	4	0	0.00				7	2	0.29			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	9	0	0.00	2	0	0.00				7	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	12	0	0.00	4	0	0.00				8	0	0.00			

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

Station Inventory for Station: LAVO0260

NPS Station ID: LAVO0260
LAT/LON: 40.537170/-121.563060
Agency: 11NPSWRD
Date Created: 06/27/98
Location: Reflection Lake Center of West Third
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_NPS_RFL-W
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5895
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located at the center of the west third of Reflection Lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith National Park Service Water Resources Division; Suite 250; Fort Collins CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0260

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/89-09/06/89	8	15.1	15.475	16.8	15.	0.502	0.709	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	09/05/89-09/06/89	8	10.2	10.45	14.	7.	8.771	2.962	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0260

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	8	0	0.00									

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

Station Inventory for Station: LAVO0261

NPS Station ID: LAVO0261
LAT/LON: 40.534615/-121.563587
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Manzanita Creek Lower Bridge
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_NPS_MNZ-1
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5847
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located at the upstream edge of the lower bridge on Manzanita Creek. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0261

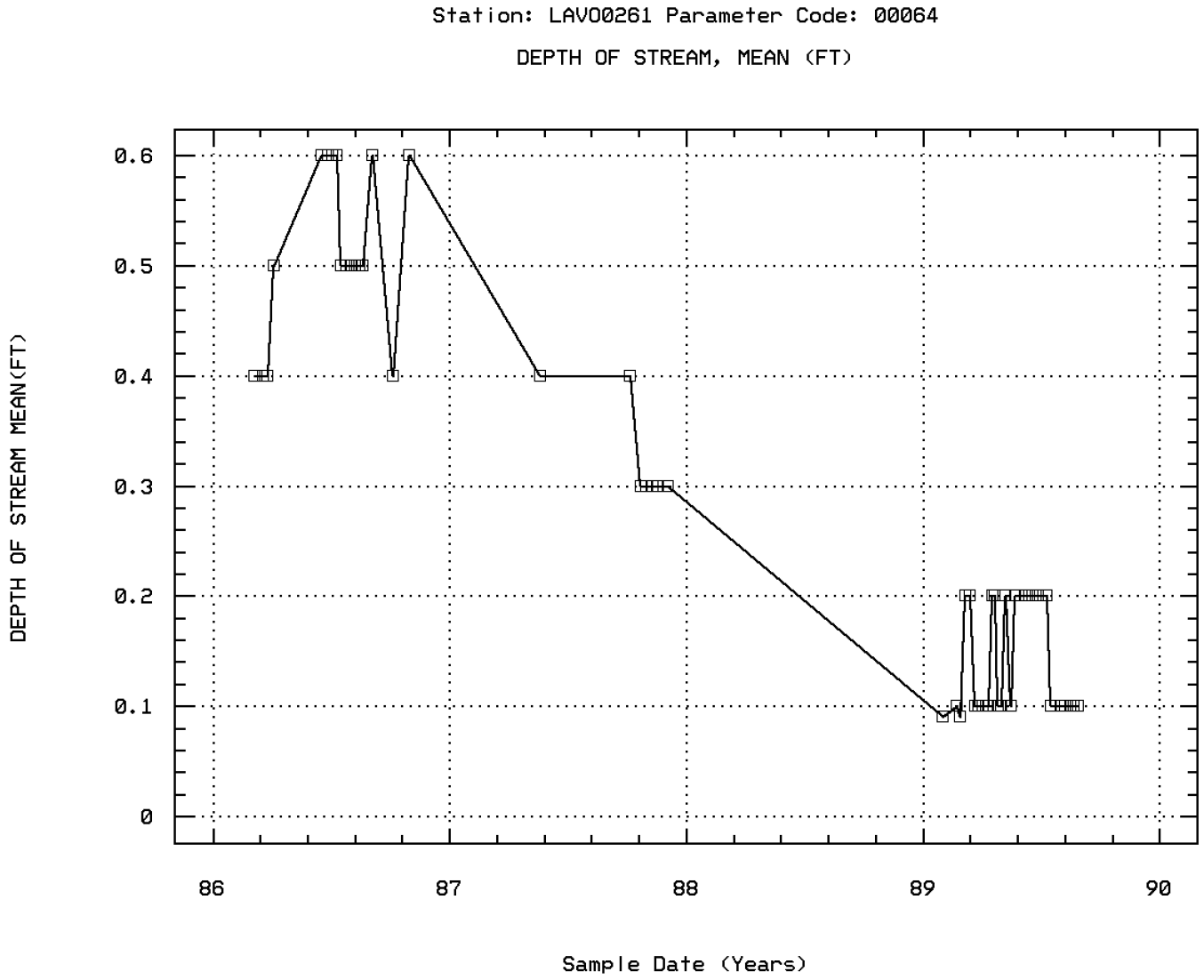
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/05/86-12/17/92	121	7.	7.021	16.	0.	10.775	3.283	3.	4.5	9.	11.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/05/86-12/17/92	117	15.	15.041	29.	-7.	60.237	7.761	5.	10.	22.	25.1
00055	VELOCITY, STREAM FT/SEC	03/05/86-12/03/87	24	2.25	2.292	2.9	1.8	0.103	0.32	1.8	2.1	2.5	2.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/05/86-03/06/90	96	10.	11.198	28.	4.	26.16	5.115	6.	7.	14.	18.3
00064p	DEPTH OF STREAM, MEAN (FT)	03/05/86-08/28/89	51	0.2	0.29	0.6	0.09	0.033	0.181	0.1	0.1	0.5	0.6
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/13/89-12/17/92	45	86.	83.378	105.	62.	121.695	11.032	66.	74.5	90.	96.8
00406p	PH, FIELD, STANDARD UNITS SU	01/30/89-12/17/92	49	7.5	7.531	8.2	7.2	0.028	0.169	7.4	7.4	7.6	7.6
00406p	CONVERTED PH, FIELD, STANDARD UNITS	01/30/89-12/17/92	49	7.5	7.505	8.2	7.2	0.029	0.17	7.4	7.4	7.6	7.6
00406p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/30/89-12/17/92	49	0.032	0.031	0.063	0.006	0.	0.009	0.025	0.025	0.04	0.04
50040p	ELEVATION OF WATER LEVEL WITH REF.TO MEAN SEA L FT	01/30/89-03/10/92	55	5851.61	5853.345	5951.61	5848.41	182.661	13.515	5851.454	5851.54	5851.68	5851.858
72020p	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/05/86-03/06/90	93	5851.61	5851.627	5851.95	5851.51	0.006	0.076	5851.55	5851.57	5851.67	5851.73

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

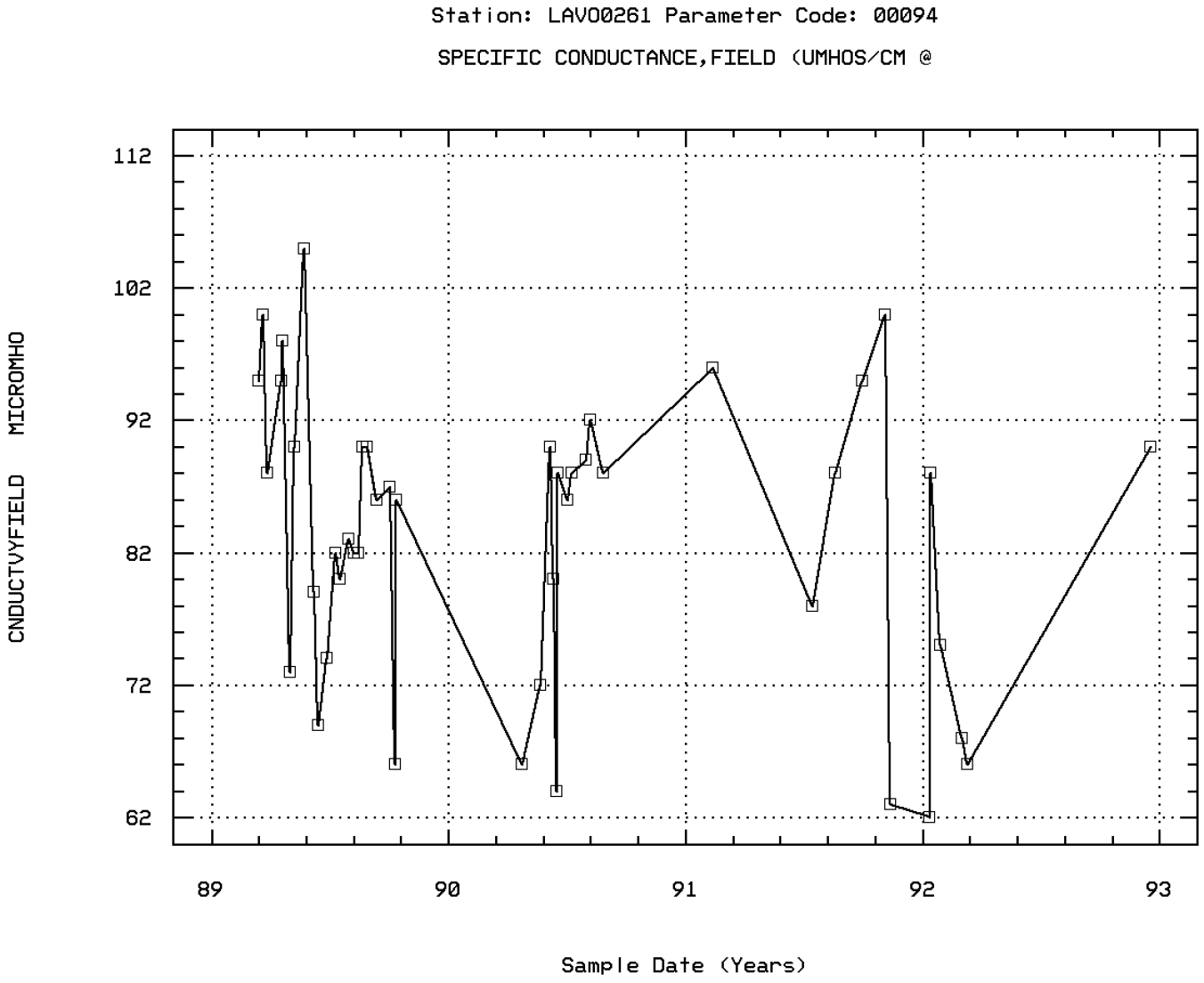
EPA Water Quality Criteria Analysis for Station: LAVO0261

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
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.	49	0	0.00	24	0	0.00	7	0	0.00	18	0	0.00			
	Other-Lo Lim.	6.5	49	0	0.00	24	0	0.00	7	0	0.00	18	0	0.00			

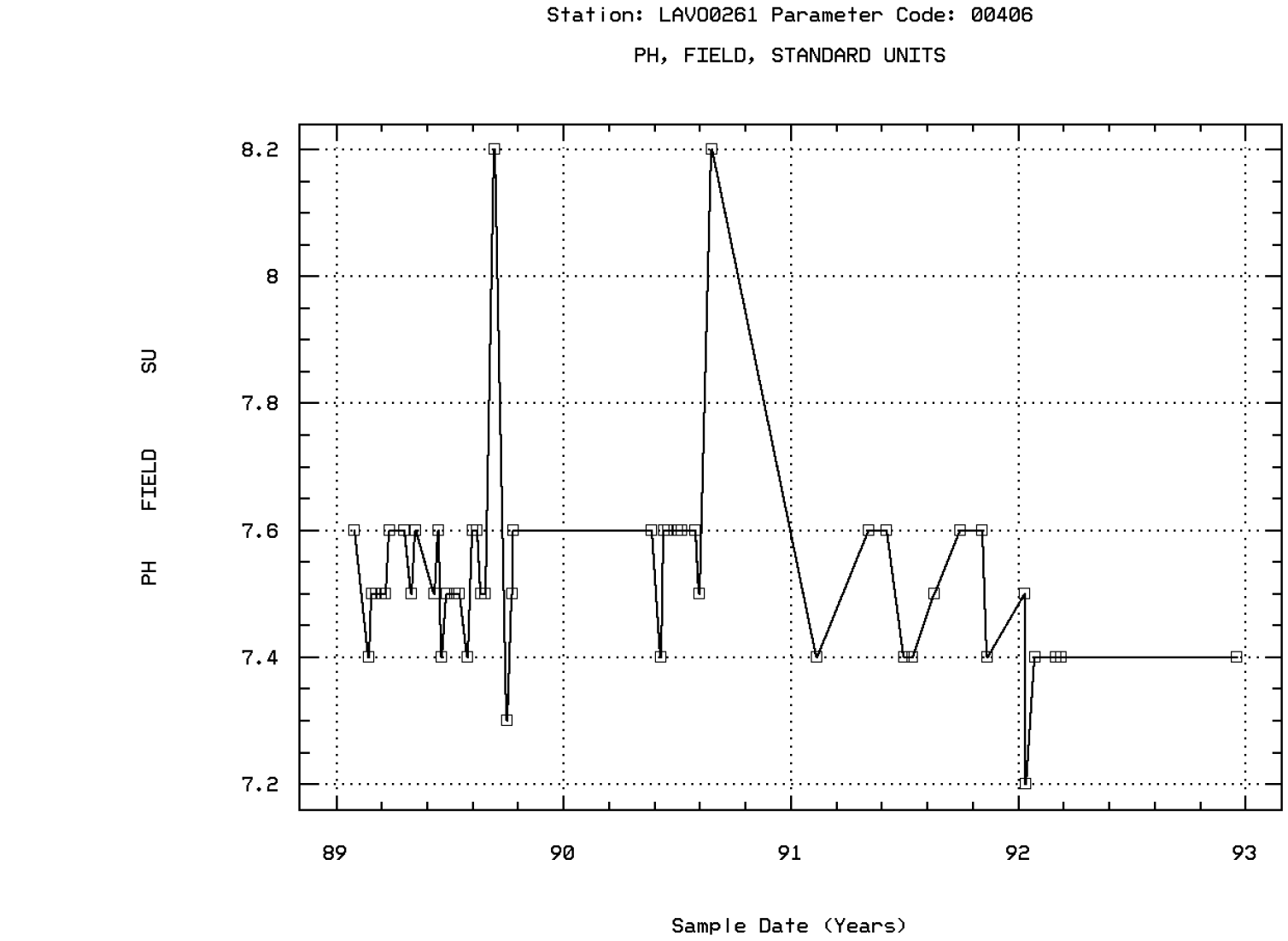
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



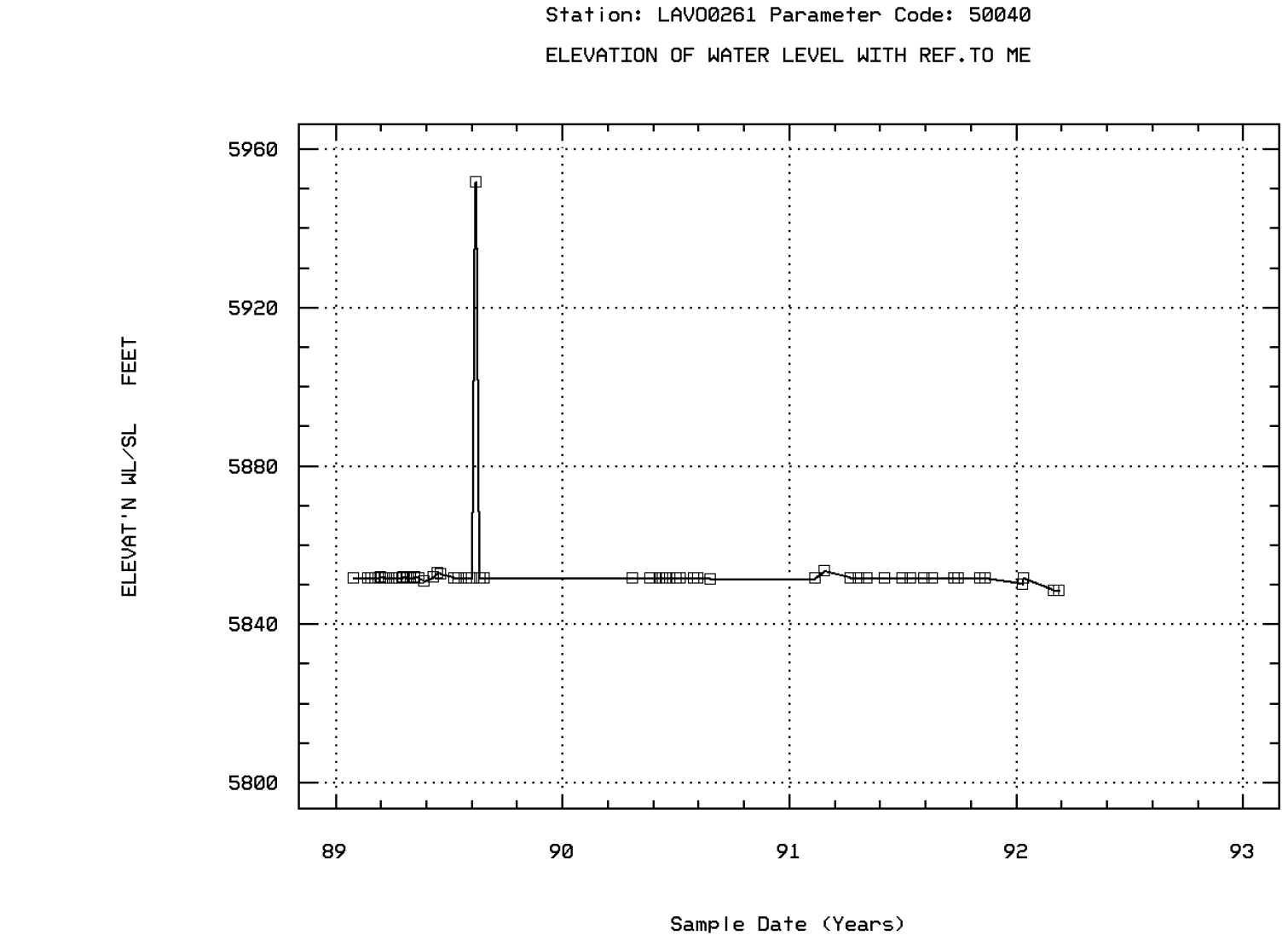
Manzanita Creek Lower Bridge



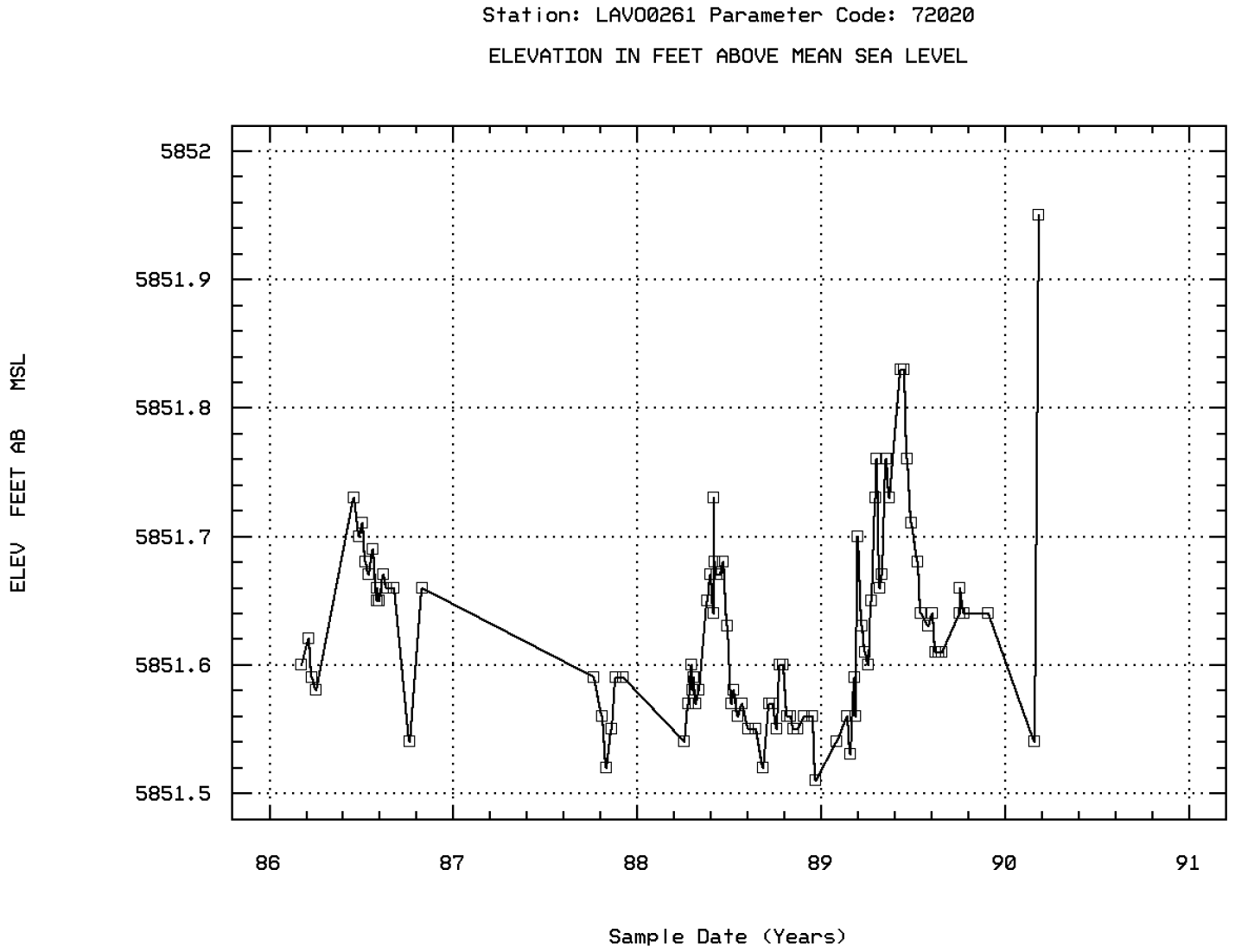
Manzanita Creek Lower Bridge



Manzanita Creek Lower Bridge



Manzanita Creek Lower Bridge



Manzanita Creek Lower Bridge

Station Inventory for Station: LAVO0262

NPS Station ID: LAVO0262
LAT/LON: 40.537337/-121.564448
Agency: 11NPSWRD
Date Created: 06/27/98
Location: Reflection Lake Center Third
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_NPS_RFL-M
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5895
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located at the center of the middle third of Reflection Lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith National Park Service; Water Resources Division; Suite 250; Fort Collins CO 8052 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0262

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/89-09/06/89	10	15.	15.33	16.8	14.9	0.447	0.668	14.9	14.975	15.625	16.75
00300	OXYGEN, DISSOLVED MG/L	09/05/89-09/06/89	10	8.9	9.5	13.2	3.4	9.513	3.084	3.84	7.95	12.6	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 time series plot

EPA Water Quality Criteria Analysis for Station: LAVO0262

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			----------n/a----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	10	1	0.10	10	1	0.10									

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

Station Inventory for Station: LAVO0263

NPS Station ID: LAVO0263
LAT/LON: 40.537448/-121.564531
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Reflection Lake Near Main Sewer Line
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_NPS_RFL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5895
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located at the Reflection Lake outlet upstream of the main sewer line. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0263

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/06/88-10/11/89	86	18.35	17.027	25.	9.5	18.842	4.341	11.85	12.775	21.	22.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/06/88-10/11/89	20	23.	22.34	32.5	9.	42.938	6.553	14.	17.575	28.75	31.35
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/12/88-10/25/88	33	10.	11.	50.	5.	96.672	9.832	5.	5.	10.	27.6
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/06/88-10/25/88	16	2.775	2.86	4.18	0.	0.997	0.998	1.33	2.5	3.528	4.18
00080	COLOR (PLATINUM-COBALT UNITS)	08/30/88-10/25/88	2	8.	8.	16.	0.	128.	11.314	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/11/89-10/11/89	4	70.	72.	86.	62.	102.	10.1	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/12/88-10/25/88	47	86.	87.681	120.	77.	68.57	8.281	80.	83.	90.	97.
00300	OXYGEN, DISSOLVED MG/L	07/06/88-10/25/88	82	7.55	7.301	14.5	1.5	3.013	1.736	5.55	7.075	8.125	8.4
00405	CARBON DIOXIDE (MG/L AS CO2)	07/20/88-10/25/88	43 ##	0.	2.14	27.5	0.	35.599	5.966	0.	0.	0.	9.9
00406	PH, FIELD, STANDARD UNITS SU	07/06/88-10/11/89	54	8.4	8.291	9.	7.	0.194	0.441	7.45	8.2	8.5	8.8
00406	CONVERTED PH, FIELD, STANDARD UNITS	07/06/88-10/11/89	54	8.4	7.982	9.	7.	0.292	0.54	7.45	8.2	8.5	8.8
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/06/88-10/11/89	54	0.004	0.01	0.1	0.001	0.	0.019	0.002	0.003	0.006	0.036
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/12/88-10/25/88	39	38.	39.538	51.	26.	26.992	5.195	34.	36.	43.	47.
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	07/20/88-10/25/88	37	0.05	0.123	1.5	0.	0.093	0.304	0.	0.	0.1	0.16
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/12/88-10/17/88	36	31.	31.981	57.	0.3	77.711	8.815	26.	28.25	35.	43.3
00945	SULFATE, TOTAL (MG/L AS SO4)	07/12/88-10/25/88	29 ##	0.	0.069	2.	0.	0.138	0.371	0.	0.	0.	0.
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/12/88-10/17/88	30	4.5	4.677	10.5	3.1	2.401	1.55	3.1	3.625	5.5	6.27
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/11/88-10/11/88	3	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/12/88-10/11/88	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/12/88-10/17/88	10	0.25	0.91	2.	0.1	0.883	0.94	0.1	0.175	2.	2.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/12/88-10/11/88	7 ##	0.	0.019	0.1	0.	0.001	0.038	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/12/88-07/12/88	1	20.	20.	20.	20.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/12/88-10/25/88	43	1.	1.128	3.5	0.5	0.227	0.476	0.62	1.	1.3	1.5
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	07/12/88-10/17/88	33	0.01	0.018	0.05	0.	0.	0.019	0.	0.	0.04	0.046
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	09/11/89-12/21/89	7	5881.26	5881.349	5881.69	5881.12	0.043	0.207	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0263

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	33	1	0.03	24	0	0.00				9	1	0.11			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	82	5	0.06	57	3	0.05				25	2	0.08			
00406	PH, FIELD	Fresh Chronic	9.	54	1	0.02	33	1	0.03				21	0	0.00			
		Other-Lo Lim.	6.5	54	0	0.00	33	0	0.00				21	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	29	0	0.00	24	0	0.00				5	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	3	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			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	43	0	0.00	29	0	0.00				14	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	33	0	0.00	25	0	0.00				8	0	0.00			

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

Station Inventory for Station: LAVO0264

NPS Station ID: LAVO0264
LAT/LON: 40.537753/-121.565837
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Reflection Lake Center of East Third
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_NPS_RFL-E
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5895
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located at the center of the east third of Reflection Lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; Suite 250; Fort Collins CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/05/89-09/06/89	9	15.	15.478	17.	15.	0.754	0.869	15.	15.	16.15	17.
00300	OXYGEN, DISSOLVED MG/L	09/05/89-09/06/89	9	8.2	9.178	13.2	4.5	7.249	2.692	4.5	8.05	11.85	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 time series plot

EPA Water Quality Criteria Analysis for Station: LAVO0264

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	9	0	0.00									

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

Station Inventory for Station: LAVO0265

NPS Station ID: LAVO0265
LAT/LON: 40.537837/-121.565948
Agency: 11NPSWRD
Date Created: 06/06/98
Location: REFLECTION LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_RL
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5855
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of Manzanita and Reflection Lakes; Lassen Volcanic National Park; June - September 1961." The water quality station is located in the southwest portion of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0265

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/20/61-09/05/61	24	63.5	64.125	70.	60.	10.984	3.314	60.	61.25	68.	69.
00300	OXYGEN, DISSOLVED MG/L	06/20/61-09/05/61	23	9.4	9.035	11.3	4.4	2.135	1.461	6.42	8.8	9.6	10.24
00400	PH (STANDARD UNITS)	06/20/61-09/05/61	24	6.8	6.85	7.	6.8	0.008	0.088	6.8	6.8	6.95	7.
00400	CONVERTED PH (STANDARD UNITS)	06/20/61-09/05/61	24	6.8	6.842	7.	6.8	0.008	0.089	6.8	6.8	6.95	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/20/61-09/05/61	24	0.158	0.144	0.158	0.1	0.001	0.026	0.1	0.115	0.158	0.158
00405	CARBON DIOXIDE (MG/L AS CO2)	08/10/61-09/05/61	5	1.7	1.44	2.3	0.2	0.833	0.913	**	**	**	**
00411	ALKALINITY,METHYLORANGE MG/L	06/20/61-09/05/61	23	22.8	23.204	30.1	20.3	7.422	2.724	20.4	20.7	24.3	28.2
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/20/61-09/05/61	18	4.	3.944	5.	2.	1.114	1.056	2.9	3.	5.	5.

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

EPA Water Quality Criteria Analysis for Station: LAVO0265

				Total	Exceed	Prop.	----------8/15-3/14----------			----------3/15-5/31----------			----------6/01-8/14----------			--------------n/a--------------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	23	0	0.00	6	0	0.00				17	0	0.00			
00400	PH	Fresh Chronic	9.	24	0	0.00	6	0	0.00				18	0	0.00			
		Other-Lo Lim.	6.5	24	0	0.00	6	0	0.00				18	0	0.00			

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

Station Inventory for Station: LAVO0266

NPS Station ID: LAVO0266
LAT/LON: 40.533059/-121.566116
Agency: 112WRD
Date Created: 12/19/81
Location: MANZANITA LK NR MANZANITA LK CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 403159121335800
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0266

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/16/81-06/16/81	9	13.4	13.311	15.	12.4	0.586	0.766	12.4	12.65	13.5	15.
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/16/81-06/16/81	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/16/81-06/16/81	9	88.	87.778	89.	85.	1.194	1.093	85.	88.	88.	89.
00300	OXYGEN, DISSOLVED MG/L	06/16/81-06/16/81	9	8.7	8.744	9.2	8.2	0.118	0.343	8.2	8.5	9.1	9.2
00400	PH (STANDARD UNITS)	06/16/81-06/16/81	9	8.7	8.522	8.7	7.8	0.099	0.315	7.8	8.4	8.7	8.7
00400	CONVERTED PH (STANDARD UNITS)	06/16/81-06/16/81	9	8.7	8.384	8.7	7.8	0.121	0.348	7.8	8.4	8.7	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/81-06/16/81	9	0.002	0.004	0.016	0.002	0.	0.005	0.002	0.002	0.004	0.016
00403	PH, LAB, STANDARD UNITS SU	06/16/81-06/16/81	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/16/81-06/16/81	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/16/81-06/16/81	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/16/81-06/16/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/16/81-06/16/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/16/81-06/16/81	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/16/81-06/16/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/16/81-06/16/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/16/81-06/16/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/16/81-06/16/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/16/81-06/16/81	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	06/16/81-06/16/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/16/81-06/16/81	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/16/81-06/16/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/16/81-06/16/81	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/16/81-06/16/81	1	4.1	4.1	4.1	4.1	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/16/81-06/16/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/16/81-06/16/81	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/16/81-06/16/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/16/81-06/16/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0266

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	06/16/81-06/16/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/16/81-06/16/81	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/16/81-06/16/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/16/81-06/16/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/16/81-06/16/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/16/81-06/16/81	1	76.	76.	76.	76.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/16/81-06/16/81	1	75.	75.	75.	75.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/16/81-06/16/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/16/81-06/16/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/16/81-06/16/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/16/81-06/16/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/16/81-06/16/81	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/16/81-06/16/81	1	1.1	1.1	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

EPA Water Quality Criteria Analysis for Station: LAVO0266

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00							9	0	0.00			
00400	PH	Fresh Chronic	9.	9	0	0.00							9	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00							9	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			
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.	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: LAVO0267

NPS Station ID: LAVO0267
LAT/LON: 40.533892/-121.566531
Agency: 11NPSWRD
Date Created: 06/06/98
Location: MANZANITA LAKE
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): LAVO_PMH_ML
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5845
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by Paul M. Hubbell of Humboldt State University as part of a report "A Survey of Manzanita and Reflection Lakes; Lassen Volcanic National Park; June - September 1961." The water quality station is located at the deepest part of the lake. The slopes surrounding the lake are covered with volcanic cinders as is the lake bottom although a layer of silt and organic debris covers the cinders in most parts of the lake. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith: National Park Service; Water Resources Division; 1201 Oak Ridge Drive; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0267

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	06/24/61-09/05/61	44	59.5	60.136	68.	56.	12.353	3.515	56.	57.25	62.	66.5
00300	OXYGEN, DISSOLVED MG/L	06/24/61-09/05/61	39	9.2	9.595	10.7	9.	0.309	0.556	9.1	9.2	10.2	10.5
00400	PH (STANDARD UNITS)	06/24/61-09/05/61	44	8.	7.868	8.8	6.8	0.653	0.808	6.8	6.95	8.6	8.7
00400	CONVERTED PH (STANDARD UNITS)	06/24/61-09/05/61	44	7.674	7.295	8.8	6.8	0.99	0.995	6.8	6.95	8.6	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/61-09/05/61	44	0.021	0.051	0.158	0.002	0.004	0.065	0.002	0.003	0.129	0.158
00411	ALKALINITY,METHYLORANGE MG/L	06/24/61-09/05/61	40	22.	21.898	23.4	19.5	0.873	0.934	20.63	21.3	22.875	23.1
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/24/61-09/05/61	40	4.	4.25	11.	2.	2.5	1.581	2.1	3.	5.	6.

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

EPA Water Quality Criteria Analysis for Station: LAVO0267

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	39	0	0.00	11	0	0.00				28	0	0.00			
00400	PH	Fresh Chronic	9.	44	0	0.00	11	0	0.00				33	0	0.00			
		Other-Lo Lim.	6.5	44	0	0.00	11	0	0.00				33	0	0.00			

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

Station Inventory for Station: LAVO0268

NPS Station ID: LAVO0268 | LAT/LON: 40.533920/-121.566670 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Manzanita Lake Hubell Test Site | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/LAKE | STORET Station ID(s): LAVO_NPS_MNZ-H
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 5847 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020118 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located on Manzanita Lake at the Hubell Test Site. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; Suite 250; Fort Collins; CO 80525 Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0268

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/26/86-08/23/86	30	14.	14.01	17.	12.3	1.755	1.325	12.41	12.975	15.	16.
00078	TRANSPARENCY, SECCHI DISC (METERS)	06/26/86-08/23/86	3	9.3	8.967	9.3	8.3	0.333	0.577	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/26/86-08/23/86	30	9.1	9.18	10.5	8.	0.509	0.714	8.	8.8	9.8	10.1
00405	CARBON DIOXIDE (MG/L AS CO2)	06/26/86-07/11/86	20	9.	9.	14.	4.	26.316	5.13	4.	4.	14.	14.
00406	PH, FIELD, STANDARD UNITS SU	06/26/86-07/11/86	20	9.	8.995	9.2	8.8	0.012	0.11	8.9	8.9	9.1	9.19
00406	CONVERTED PH, FIELD, STANDARD UNITS	06/26/86-07/11/86	20	9.	8.982	9.2	8.8	0.012	0.111	8.9	8.9	9.1	9.19
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/26/86-07/11/86	20	0.001	0.001	0.002	0.001	0.	0.	0.001	0.001	0.001	0.001
00411	ALKALINITY,METHYLORANGE MG/L	06/26/86-07/11/86	20	40.	41.	50.	40.	9.474	3.078	40.	40.	40.	49.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/26/86-07/11/86	20	5.	5.	10.	0.	26.316	5.13	0.	0.	10.	10.

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

EPA Water Quality Criteria Analysis for Station: LAVO0268

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	30	0	0.00	10	0	0.00				20	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	20	12	0.60							20	12	0.60			
		Other-Lo Lim.	6.5	20	0	0.00							20	0	0.00			

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

Station Inventory for Station: LAVO0269

NPS Station ID: LAVO0269 | LAT/LON: 40.536281/-121.570392 | Agency: 11NPSWRD | Date Created: 06/13/98
Location: Manzanita Lake Spillway | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): LAVO_NPS_MNZ-SW
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 5840 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020118 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located on the Manzanita Lake CA-Shasta Co. 7.5 Minute Series (Topographic) Quadrangle. The site is at the Manzanita Lake Spillway at the outlet off of the northwest side of Manzanita Lake in Lassen Volcanic National Park. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0269

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/02/89-10/11/89	3	13.	13.667	15.	13.	1.333	1.155	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/02/89-10/11/89	3	16.	15.	19.	10.	21.	4.583	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/10/89-10/11/89	2	76.5	76.5	81.	72.	40.5	6.364	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/10/89-10/11/89	2	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/10/89-10/11/89	2	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/89-10/11/89	2	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	10/02/89-10/02/89	1	5847.61	5847.61	5847.61	5847.61	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0269

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
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.	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: LAVO0270

NPS Station ID: LAVO0270
LAT/LON: 40.536309/-121.570337
Agency: 11NPSWRD
Date Created: 06/06/98
Location: Manzanita Creek Discharge
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): LAVO_NPS_MNZ-2
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 5731
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
This station is located in Lassen Volcanic National Park on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located at the USGS Gaging Station for Manzanita Creek. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service Water Resources Division; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0270

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/10/89-11/06/89	21	15.	13.595	20.	6.	19.715	4.44	6.1	10.5	17.	19.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/89-11/06/89	14	21.	17.893	28.	3.	64.161	8.01	3.5	10.75	24.	26.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/10/89-11/06/89	23	5.	6.739	15.	2.	16.474	4.059	3.	4.	10.	13.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/10/89-11/06/89	20	82.	85.9	110.	58.	139.463	11.809	77.1	80.	91.75	108.9
00406	PH, FIELD, STANDARD UNITS SU	04/10/89-11/06/89	22	8.35	8.264	8.8	7.5	0.182	0.427	7.6	7.925	8.65	8.8
00406	CONVERTED PH, FIELD, STANDARD UNITS	04/10/89-11/06/89	22	8.347	8.058	8.8	7.5	0.227	0.476	7.6	7.925	8.65	8.8
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/10/89-11/06/89	22	0.004	0.009	0.032	0.002	0.	0.009	0.002	0.002	0.012	0.025
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	04/20/89-11/06/89	16	5844.58	5844.619	5845.45	5844.23	0.076	0.275	5844.349	5844.45	5844.708	5845.03

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

EPA Water Quality Criteria Analysis for Station: LAVO0270

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00406	PH, FIELD	Fresh Chronic	9.	22	0	0.00	8	0	0.00	6	0	0.00	8	0	0.00			
		Other-Lo Lim.	6.5	22	0	0.00	8	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

Station Inventory for Station: LAVO0271

NPS Station ID: LAVO0271
LAT/LON: 40.495281/-121.574170
Agency: 112WRD
Date Created: 12/19/81
Location: ONION SPRINGS NR VIOLA CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 402943121342700
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0271

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/81-07/01/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/01/81-07/01/81	1	609.	609.	609.	609.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/01/81-07/01/81	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/81-07/01/81	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/81-07/01/81	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/81-07/01/81	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/81-07/01/81	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/81-07/01/81	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/01/81-07/01/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/01/81-07/01/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/81-07/01/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	07/01/81-07/01/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/01/81-07/01/81	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/81-07/01/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/01/81-07/01/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/01/81-07/01/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/81-07/01/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/01/81-07/01/81	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/01/81-07/01/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/81-07/01/81	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-07/01/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-07/01/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/01/81-07/01/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/01/81-07/01/81	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-07/01/81	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/01/81-07/01/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/81-07/01/81	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/01/81-07/01/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/01/81-07/01/81	1	40.	40.	40.	40.	0.	0.	**	**	**	**

** - Less than 9 observations ## - 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: LAVO0271

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	07/01/81-07/01/81	1	62.	62.	62.	62.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/01/81-07/01/81	1	64.	64.	64.	64.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/01/81-07/01/81	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/01/81-07/01/81	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/01/81-07/01/81	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	07/01/81-07/01/81	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0271

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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.	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: LAVO0272

NPS Station ID: LAVO0272 | LAT/LON: 40.358032/-121.575727 | Agency: 11NPSWRD | Date Created: 12/19/98
Location: BODINES SPRING | FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING | STORET Station ID(s): LAVO_USGS_BS
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020118 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 0 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020118 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MINERAL CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT BODINES SPRING OUTSIDE LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE DATA COME FROM A USGS SUMMARY OF A BRIEF FIELD SURVEY OF LASSEN VOLCANIC NATIONAL PARK MADE IN AUGUST 1973 BY E.J. MCCLELLAND OF THE SACRAMENTO USGS OFFICE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE TOWNSHIP AND RANGE DESCRIPTION AND THE BEST APPROXIMATION AT A WATER BODY IN THAT SECTION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0272

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	11/05/73-11/05/73	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/05/73-11/05/73	1	83.	83.	83.	83.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	11/05/73-11/05/73	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	11/05/73-11/05/73	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/05/73-11/05/73	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/05/73-11/05/73	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	11/05/73-11/05/73	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	11/05/73-11/05/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	11/05/73-11/05/73	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/05/73-11/05/73	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/05/73-11/05/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/05/73-11/05/73	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/05/73-11/05/73	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	11/05/73-11/05/73	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	11/05/73-11/05/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	11/05/73-11/05/73	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/05/73-11/05/73	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	11/05/73-11/05/73	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	11/05/73-11/05/73	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0272

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/05/73-11/05/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	11/05/73-11/05/73	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	11/05/73-11/05/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/05/73-11/05/73	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	11/05/73-11/05/73	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	11/05/73-11/05/73	1	76.	76.	76.	76.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/05/73-11/05/73	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: LAVO0272

Parameter			Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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: LAVO0273

NPS Station ID: LAVO0273 LAT/LON: 40.535559/-121.576671 Agency: 11NPSWRD Date Created: 11/21/98
Location: MANZANITA CREEK NEAR MANZANITA LAKE FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LAVO_USGS_MANCR
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020118 Depth of Water: 0 Aquifer:
Major Basin: CALIFORNIA Elevation: 5731 Water Body Id:
Minor Basin: SACRAMENTO RIVER ECO Region:
RF1 Index: 18020118 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MANZANITA LAKE CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT MANZANITA CREEK NEAR MANZANITA LAKE OUTSIDE OF LASSEN VOLCANIC NATIONAL PARK. DATA WERE COLLECTED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR; GEOLOGICAL SURVEY (USGS). THE DATA COMES FROM DATA SHEETS PRODUCED BY THE USGS FOR THIS STATION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LASSEN VOLCANIC NATIONAL PARK; P.O. BOX 100; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS; C0 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0273

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/24/79-09/30/81	641	95.	93.867	105.	81.	27.025	5.199	86.	90.	98.	100.
85334	TEMPERATURE-DEG F, MINIMUM WATER	10/24/79-09/30/81	691	43.7	45.764	67.8	29.8	131.839	11.482	32.	34.7	57.4	61.46
85335	TEMPERATURE- DEG F , MAXIMUM WATER	10/24/79-09/30/81	691	50.9	53.088	77.7	34.	181.738	13.481	37.4	40.1	64.4	72.5

** - 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

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

Station Inventory for Station: LAVO0274

NPS Station ID: LAVO0274 LAT/LON: 40.535559/-121.576671 Agency: 112WRD Date Created: 11/07/81
Location: MANZANITA CREEK AT PARK BOUNDARY NR MANZANITA LK FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 11376038
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 18020118 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 18020118 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0274

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/24/79-09/23/81	23	8.5	9.217	20.	1.5	35.314	5.943	1.7	3.5	14.5	17.
00025	BAROMETRIC PRESSURE (MM OF HG)	05/15/80-09/23/81	6	620.	620.	626.	615.	20.8	4.561	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/24/79-09/23/81	23	3.	4.043	10.	2.	4.043	2.011	2.	3.	5.	7.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/24/79-09/23/81	23	92.	91.957	104.	77.	34.225	5.85	83.8	89.	96.	99.2
00300	OXYGEN, DISSOLVED MG/L	10/24/79-09/23/81	23	9.5	9.574	11.8	7.6	1.819	1.349	7.76	8.4	11.	11.42
00400	PH (STANDARD UNITS)	10/24/79-09/23/81	23	8.	8.039	8.9	7.5	0.149	0.386	7.6	7.7	8.3	8.66
00400	CONVERTED PH (STANDARD UNITS)	10/24/79-09/23/81	23	8.	7.907	8.9	7.5	0.167	0.409	7.6	7.7	8.3	8.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/24/79-09/23/81	23	0.01	0.012	0.032	0.001	0.	0.008	0.002	0.005	0.02	0.025
00403	PH, LAB, STANDARD UNITS SU	01/20/81-07/21/81	3	7.9	8.167	8.7	7.9	0.213	0.462	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/20/81-07/21/81	3	7.9	8.043	8.7	7.9	0.236	0.486	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/20/81-07/21/81	3	0.013	0.009	0.013	0.002	0.	0.006	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	10/24/79-01/25/80	2	1.1	1.1	1.5	0.7	0.32	0.566	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/24/79-09/23/81	22	45.5	44.591	50.	35.	17.872	4.228	36.5	42.	48.25	49.
00600	NITROGEN, TOTAL (MG/L AS N)	10/24/79-07/21/81	8	0.5	0.64	1.2	0.3	0.109	0.331	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	7	0.35	0.394	0.63	0.21	0.028	0.169	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/24/79-07/21/81	5	0.45	0.484	0.97	0.21	0.091	0.302	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	7	0.33	0.321	0.55	0.15	0.02	0.141	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	8	0.045	0.045	0.1	0.	0.002	0.04	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/24/79-07/21/81	5	0.04	0.052	0.13	0.	0.003	0.057	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	7	0.01	0.009	0.02	0.	0.	0.007	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	8	0.015	0.02	0.09	0.	0.001	0.03	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/24/79-07/21/81	7	0.34	0.366	0.62	0.18	0.025	0.158	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	10/24/79-07/21/81	7	0.25	0.269	0.57	0.	0.044	0.209	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/24/79-07/21/81	8	0.49	0.59	1.1	0.3	0.11	0.331	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/24/79-07/21/81	8	0.03	0.054	0.17	0.	0.004	0.067	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/24/79-07/21/81	8	0.02	0.025	0.1	0.	0.001	0.033	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/24/79-07/21/81	8	0.015	0.023	0.09	0.	0.001	0.031	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/24/79-07/21/81	7	0.02	0.017	0.03	0.01	0.	0.008	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10/24/79-07/21/81	8	0.01	0.016	0.05	0.	0.	0.015	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/24/79-07/21/81	8	0.005	0.008	0.03	0.	0.	0.01	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	03/17/80-07/21/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/24/79-07/21/81	8	37.	36.75	39.	32.	6.214	2.493	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/24/79-07/21/81	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/24/79-07/21/81	8	10.5	10.35	11.	9.1	0.554	0.745	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/24/79-07/21/81	8	2.65	2.675	2.9	2.2	0.056	0.238	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/24/79-07/21/81	8	4.2	4.175	4.6	3.5	0.105	0.324	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/24/79-07/21/81	8	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/24/79-07/21/81	8	19.	19.625	25.	18.	5.696	2.387	**	**	**	**

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

Parameter Inventory for Station: LAVO0274

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00933	SODIUM,PLUS POTASSIUM (MG/L)	10/24/79-01/25/80	2	6.15	6.15	6.6	5.7	0.405	0.636	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/24/79-07/21/81	8	1.65	1.675	2.4	1.4	0.102	0.32	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/24/79-07/21/81	8	0.3	0.388	0.8	0.1	0.067	0.259	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/79-07/21/81	7	3.	3.429	7.	1.	3.952	1.988	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/24/79-07/21/81	8	0.	0.05	0.2	0.	0.006	0.076	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	10/24/79-07/21/81	8	32.	31.75	35.	28.	5.357	2.315	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/17/80-07/21/81	4	1.	0.75	1.	0.	0.25	0.5	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	03/17/80-07/21/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	10/24/79-07/21/81	8	20.	36.25	180.	0.	3426.786	58.539	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/17/80-07/21/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/17/80-07/21/81	4	3.5	3.	5.	0.	4.667	2.16	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/17/80-07/21/81	4	3.	3.	6.	0.	6.667	2.582	**	**	**	**
01044	IRON, SUSPENDED (UG/L AS FE)	07/23/80-07/21/81	3	40.	43.333	70.	20.	633.333	25.166	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/17/80-07/21/81	4	70.	85.	150.	50.	2033.333	45.092	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/24/79-07/21/81	8	20.	22.5	30.	10.	50.	7.071	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/17/80-07/21/81	4	5.5	5.	9.	0.	14.	3.742	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/17/80-07/21/81	4	10.	7.5	10.	0.	25.	5.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/17/80-07/21/81	4	15.	20.	40.	10.	200.	14.142	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	10/24/79-09/23/81	15	15.	82.	350.	0.5	15844.393	125.875	0.5	4.	140.	350.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/24/79-09/23/81	15	1.176	1.229	2.544	-0.301	0.877	0.937	-0.301	0.602	2.146	2.544
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			16.937								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/24/79-09/23/81	16	5.5	33.031	200.	0.5	3926.616	62.663	0.85	1.	33.	186.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/24/79-09/23/81	16	0.739	0.834	2.301	-0.301	0.685	0.828	-0.09	0.	1.507	2.269
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			6.817								
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/24/79-07/21/81	7	79.	79.857	88.	68.	43.81	6.619	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/24/79-07/21/81	8	0.79	0.786	1.18	0.46	0.065	0.256	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/24/79-07/21/81	8	0.11	0.109	0.12	0.09	0.	0.01	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	10/24/79-01/20/81	6	0.03	0.035	0.1	0.	0.002	0.039	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/24/79-07/21/81	8	0.055	0.058	0.13	0.	0.003	0.052	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/24/79-07/21/81	8	0.055	0.086	0.4	0.	0.018	0.134	**	**	**	**
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/24/79-07/21/81	7	0.03	0.027	0.07	0.	0.001	0.024	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/24/79-07/21/81	8	0.045	0.049	0.09	0.03	0.	0.022	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/24/79-07/21/81	8	2.2	2.85	5.4	1.3	2.229	1.493	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/17/80-07/21/81	4	0.1	0.125	0.3	0.	0.016	0.126	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	04/16/81-07/21/81	2	1.15	1.15	1.3	1.	0.045	0.212	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0274

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------8/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/31---------- Obs	Exceed	Prop.	----------6/01-8/14---------- Obs	Exceed	Prop.	----------n/a---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	23	0	0.00	13	0	0.00	6	0	0.00	4	0	0.00			
00400	PH	Fresh Chronic	9.	23	0	0.00	13	0	0.00	6	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	23	0	0.00	13	0	0.00	6	0	0.00	4	0	0.00			
00403	PH, LAB	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			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	0.2	4	0	0.00				2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	250.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	50.	4	0	0.00				2	0	0.00	2	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00				2	0	0.00	2	0	0.00			

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

EPA Water Quality Criteria Analysis for Station: LAVO0274

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	5.	4	0	0.00				2	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00				2	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	1300.	4	0	0.00				2	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	15.	4	0	0.00				2	0	0.00	2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	5000.	4	0	0.00				2	0	0.00	2	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	15	3	0.20	8	3	0.38	3	0	0.00	4	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00				2	0	0.00	2	0	0.00			
		Drinking Water	2.	4	0	0.00				2	0	0.00	2	0	0.00			

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

Station Inventory for Station: LAVO0275

NPS Station ID: LAVO0275 | LAT/LON: 40.535448/-121.577227 | Agency: 11NPSWRD | Date Created: 06/06/98
Location: Manzanita Creek USGS Gage | FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): LAVO_NPS_MNZ-G
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 18020118 | Depth of Water: 0 | Aquifer:
Major Basin: CALIFORNIA | Elevation: 5731 | Water Body Id:
Minor Basin: SACRAMENTO RIVER | ECO Region:
RF1 Index: 18020118 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: | RF3 Mile Point: 0.00 | Distance from RF3: 0.00 | On/Off RF3:
Description:
This station is located outside of Lassen Volcanic National Park boundaries on the Manzanita Lake CA 7.5 minute topographic quadrangle. Data were collected at this site by the National Park Service at Lassen Volcanic National Park. This station is located at the USGS Gaging Station for Manzanita Creek. For further information regarding Lassen Volcanic National Park contact Natural Resources; Lassen Volcanic National Park; P.O. Box 100; Mineral; CA 96063; Tel. 530-595-4444. Data for this station were uploaded to STORET by Lisa G. Smith; National Park Service; Water Resources Division; Suite 250; Fort Collins; CO 80525; Tel. 970-225-3516.

Parameter Inventory for Station: LAVO0275

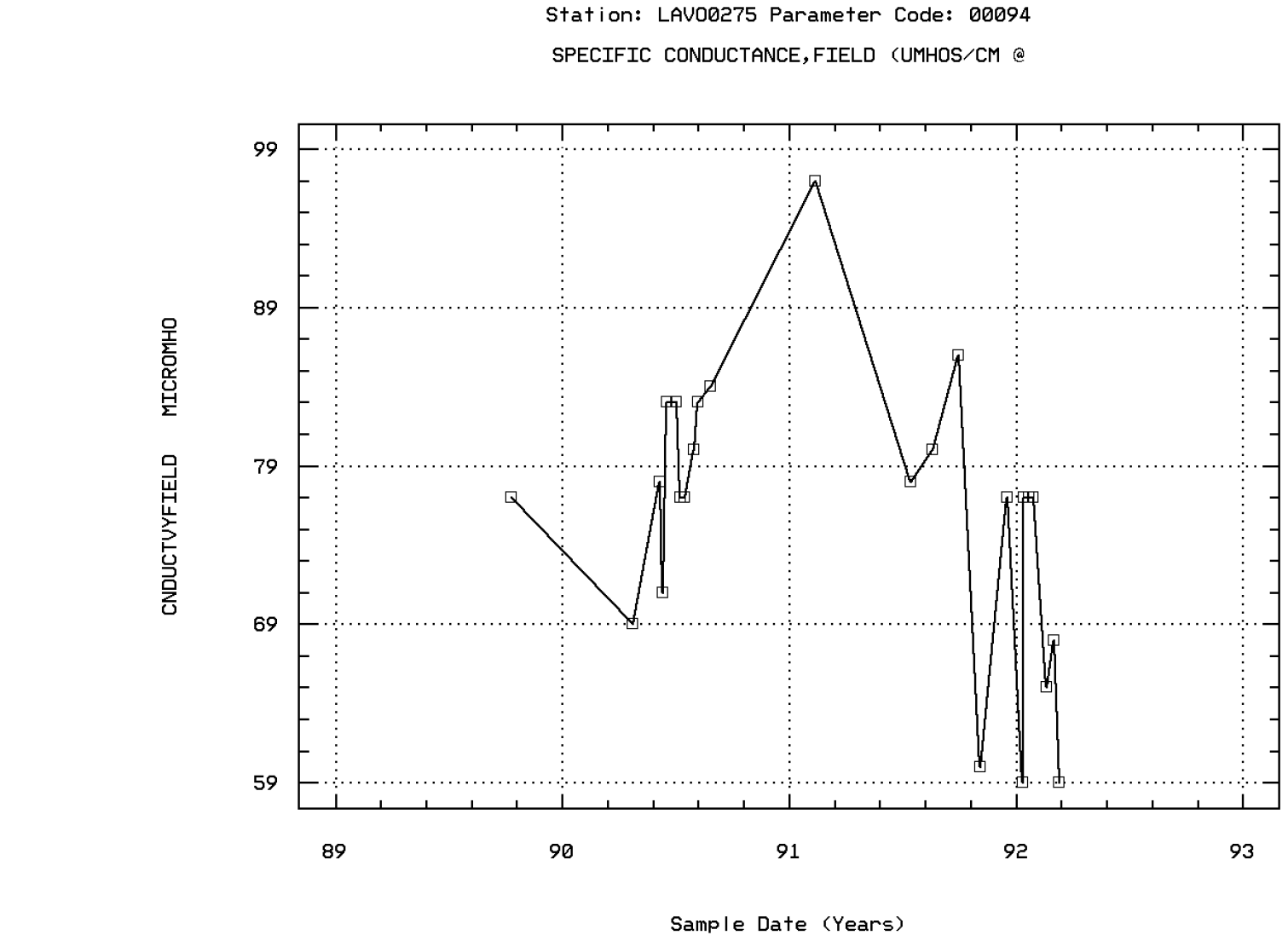
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/03/89-03/10/92	40	14.	12.633	24.	0.5	51.753	7.194	2.55	6.125	18.	22.67
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	05/03/89-03/10/92	37	14.	15.505	29.2	1.	68.026	8.248	4.6	8.5	23.75	27.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	05/03/89-03/08/91	36	2.	2.794	7.	0.8	3.519	1.876	1.	1.	4.	6.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/10/89-03/10/92	24	77.	75.917	97.	59.	82.254	9.069	59.5	69.5	82.25	85.
00406	PH, FIELD, STANDARD UNITS SU	05/14/90-03/10/92	27	7.8	7.959	8.7	7.2	0.255	0.505	7.38	7.4	8.5	8.6
00406	CONVERTED PH, FIELD, STANDARD UNITS	05/14/90-03/10/92	27	7.8	7.72	8.7	7.2	0.314	0.56	7.38	7.4	8.5	8.6
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/90-03/10/92	27	0.016	0.019	0.063	0.002	0.	0.018	0.003	0.003	0.04	0.042

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

EPA Water Quality Criteria Analysis for Station: LAVO0275

			Total	Exceed	Prop.	8/15-3/14			3/15-5/31			6/01-8/14			n/a		
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.	27	0	0.00	13	0	0.00	3	0	0.00	11	0	0.00			
	Other-Lo Lim.	6.5	27	0	0.00	13	0	0.00	3	0	0.00	11	0	0.00			

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



Manzanita Creek USGS Gage

Station Inventory for Station: LAVO0276

NPS Station ID: LAVO0276
LAT/LON: 40.353476/-121.578392
Agency: 11NPSWRD
Date Created: 12/19/98
Location: UNNAMED SPRING
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): LAVO_USGS_US
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
THIS STATION IS LOCATED ON THE MINERAL CA 7.5 MINUTE SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS LOCATED AT AN UNNAMED SPRING OUTSIDE LASSEN VOLCANIC NATIONAL PARK (LAVO). DATA WERE COLLECTED AT THIS SITE BY THE UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY (USGS); WATER RESOURCES DIVISION. THE DATA COME FROM A USGS SUMMARY OF A BRIEF FIELD SURVEY OF LASSEN VOLCANIC NATIONAL PARK MADE IN AUGUST 1973 BY E.J. MCCLELLAND OF THE SACRAMENTO USGS OFFICE. THE PRECISE LOCATION OF THE STATION IS UNKNOWN; AN ESTIMATE OF THE STATION LOCATION WAS DETERMINED BASED ON THE TOWNSHIP AND RANGE DESCRIPTION AND THE BEST APPROXIMATION AT A WATER BODY IN THAT SECTION. FOR FURTHER INFORMATION REGARDING LASSEN VOLCANIC NATIONAL PARK CONTACT NATURAL RESOURCES; LAVO; MINERAL; CA 96063; TEL. 530-595-4444. DATA FOR THIS STATION WERE PROCESSED AND UPLOADED TO STORET BY LISA G. SMITH; NATIONAL PARK SERVICE; WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE; SUITE 250; FORT COLLINS; CO 80525; TEL. 970-225-3516.

Parameter Inventory for Station: LAVO0276

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/23/73-08/23/73	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/73-08/23/73	1	85.	85.	85.	85.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/23/73-08/23/73	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/23/73-08/23/73	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/23/73-08/23/73	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/23/73-08/23/73	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00425	ALKALINITY, BICARBONATE (MG/L AS CACO3)	08/23/73-08/23/73	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	08/23/73-08/23/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	08/23/73-08/23/73	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/23/73-08/23/73	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/23/73-08/23/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/23/73-08/23/73	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/23/73-08/23/73	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/23/73-08/23/73	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	08/23/73-08/23/73	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	08/23/73-08/23/73	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/23/73-08/23/73	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	08/23/73-08/23/73	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	08/23/73-08/23/73	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: LAVO0276

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	08/23/73-08/23/73	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	08/23/73-08/23/73	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	08/23/73-08/23/73	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/23/73-08/23/73	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/23/73-08/23/73	1	90.	90.	90.	90.	0.	0.	**	**	**	**
70294	RESIDUE,TOTAL DISS,UNSPEC CALC BASED ON COND MG/L	08/23/73-08/23/73	1	86.	86.	86.	86.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/23/73-08/23/73	1	0.12	0.12	0.12	0.12	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: LAVO0276

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
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									
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: LAVO0277

NPS Station ID: LAVO0277
LAT/LON: 40.360559/-121.583338
Agency: 21CAL-3
Date Created: 11/29/86
Location: 52-501 MINERAL HEADQUARTERS (MARTIN CREEK)
FIPS State/County: 06103 CALIFORNIA/TEHAMA
Station Type: /TYPA/MUN/INTAKE/AMBNT/STREAM
STORET Station ID(s): A52/501-INTAKE
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin: CALIFORNIA
Elevation: 0
Water Body Id:
Minor Basin: SACRAMENTO RIVER
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:
DIST 01 LASSEN VOLCANIC NATIONAL PARK

Parameter Inventory for Station: LAVO0277

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/12/79-02/19/87	6	49.5	53.167	78.	40.	192.967	13.891	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/12/79-02/19/87	5	7.4	7.18	7.7	6.3	0.377	0.614	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/12/79-02/19/87	5	7.4	6.83	7.7	6.3	0.53	0.728	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/12/79-02/19/87	5	0.04	0.148	0.501	0.02	0.042	0.206	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/12/79-02/19/87	4	23.5	24.25	29.	21.	11.583	3.403	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/12/79-02/19/87	6	28.5	30.167	37.	26.	22.167	4.708	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/12/79-02/19/87	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/12/79-02/19/87	6	18.5	18.333	23.	15.	10.267	3.204	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/12/79-02/19/87	6	4.8	4.967	6.4	4.4	0.567	0.753	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/12/79-02/19/87	6	1.25	1.35	2.	0.9	0.203	0.451	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/12/79-02/19/87	6	2.5	2.767	4.	2.	0.683	0.826	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/12/79-02/19/87	6	1.05	1.083	1.3	1.	0.014	0.117	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/12/79-02/19/87	6 ##	1.05	1.217	3.	0.1	1.63	1.277	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/12/79-02/19/87	6 ##	1.	1.25	2.5	0.5	0.675	0.822	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/12/79-02/19/87	6 ##	0.05	0.063	0.17	0.025	0.003	0.054	**	**	**	**
01501	ALPHA, TOTAL	05/23/79-05/01/84	5	0.	0.82	4.	0.	3.162	1.778	**	**	**	**
01502	ALPHA, TOTAL, COUNTING ERROR	05/23/79-05/01/84	5	1.	1.48	4.	0.1	2.537	1.593	**	**	**	**
03501	BETA, TOTAL	05/23/79-05/01/84	5	0.7	1.54	6.	0.	6.408	2.531	**	**	**	**
03502	BETA, TOTAL, COUNTING ERROR	05/23/79-05/01/84	5	1.	3.4	9.	0.5	15.175	3.896	**	**	**	**
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	03/12/79-02/19/87	6 ##	0.02	0.023	0.05	0.01	0.	0.015	**	**	**	**
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPL UG/L	03/12/79-03/14/85	2 ##	2.525	2.525	5.	0.05	12.251	3.5	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	03/12/79-03/14/85	2 ##	1.013	1.013	2.	0.025	1.95	1.397	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	03/12/79-03/14/85	2 ##	0.063	0.063	0.1	0.025	0.003	0.053	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	03/12/79-03/14/85	2 ##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	03/12/79-03/14/85	2 ##	25.025	25.025	50.	0.05	1247.501	35.32	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	03/12/79-03/14/85	2 ##	25.125	25.125	50.	0.25	1237.531	35.179	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/12/79-02/19/87	6	48.	48.667	67.	23.	221.067	14.868	**	**	**	**
71830	HYDROXIDE ION (MG/L AS OH)	03/10/80-02/19/87	2	0.	0.	0.	0.	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/12/79-02/19/87	6 ##	0.2	0.246	0.5	0.025	0.044	0.21	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: LAVO0277

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403	PH, LAB	Fresh Chronic	9.	5	0	0.00	4	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	5	1	0.20	4	1	0.25	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	5	0	0.00	1	0	0.00						
		Drinking Water	250.	6	0	0.00	5	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	5	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	6	0	0.00	5	0	0.00	1	0	0.00						
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SA	Drinking Water	50.	2	0	0.00	2	0	0.00									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1 &	0	0.00	1	0	0.00									
		Drinking Water	0.2	1 &	0	0.00	1	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	2	0	0.00	2	0	0.00									
		Drinking Water	2.	2	0	0.00	2	0	0.00									
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1 &	0	0.00	1	0	0.00									
		Drinking Water	3.	2	0	0.00	2	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	1 &	0	0.00	1	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00	2	0	0.00									
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	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

Station Inventory for Station: LAVO0278

NPS Station ID: LAVO0278
LAT/LON: 40.493615/-121.622505
Agency: 112WRD
Date Created: 12/19/81
Location: NF BAILEY C A RD 17 NR VIOLA CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 402937121372100
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/81-06/25/81	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/81-06/25/81	1	635.	635.	635.	635.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/81-06/25/81	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/25/81-06/25/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/81-06/25/81	1	39.	39.	39.	39.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/25/81-06/25/81	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/25/81-06/25/81	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/81-06/25/81	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/81-06/25/81	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/81-06/25/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/81-06/25/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/81-06/25/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/81-06/25/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/25/81-06/25/81	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/25/81-06/25/81	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/81-06/25/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/25/81-06/25/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/81-06/25/81	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/81-06/25/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/81-06/25/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/81-06/25/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/25/81-06/25/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/25/81-06/25/81	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/81-06/25/81	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/81-06/25/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/81-06/25/81	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/81-06/25/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/81-06/25/81	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/25/81-06/25/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/25/81-06/25/81	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/81-06/25/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/81-06/25/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/81-06/25/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/81-06/25/81	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: LAVO0278

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/81-06/25/81	1	24.	24.	24.	24.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/81-06/25/81	1	48.	48.	48.	48.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/81-06/25/81	1	49.	49.	49.	49.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/25/81-06/25/81	1	2.85	2.85	2.85	2.85	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/25/81-06/25/81	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/25/81-06/25/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/25/81-06/25/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/25/81-06/25/81	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/25/81-06/25/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0278

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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.	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: LAVO0279

NPS Station ID: LAVO0279
LAT/LON: 40.459171/-121.627782
Agency: 112WRD
Date Created: 12/19/81
Location: CABIN SPRINGS NR MINERAL CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/SPRING
STORET Station ID(s): 402733121374000
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0279

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/81-07/01/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/01/81-07/01/81	1	629.	629.	629.	629.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/01/81-07/01/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/01/81-07/01/81	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/81-07/01/81	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/81-07/01/81	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/81-07/01/81	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/81-07/01/81	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/01/81-07/01/81	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/01/81-07/01/81	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/81-07/01/81	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.46	0.46	0.46	0.46	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/01/81-07/01/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	07/01/81-07/01/81	1	0.44	0.44	0.44	0.44	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	07/01/81-07/01/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/01/81-07/01/81	1	0.43	0.43	0.43	0.43	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/01/81-07/01/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	07/01/81-07/01/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/01/81-07/01/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/01/81-07/01/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/01/81-07/01/81	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/01/81-07/01/81	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	07/01/81-07/01/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/01/81-07/01/81	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/01/81-07/01/81	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/01/81-07/01/81	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	07/01/81-07/01/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	07/01/81-07/01/81	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/01/81-07/01/81	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/01/81-07/01/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/01/81-07/01/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/01/81-07/01/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/01/81-07/01/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**

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

Parameter Inventory for Station: LAVO0279

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	07/01/81-07/01/81	1	37.	37.	37.	37.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	07/01/81-07/01/81	1	39.	39.	39.	39.	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	07/01/81-07/01/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/01/81-07/01/81	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	07/01/81-07/01/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	07/01/81-07/01/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0279

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	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	1	1.00							1	1	1.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	1	1.00							1	1	1.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	1	0	0.00							1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	1	0	0.00							1	0	0.00			

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

Station Inventory for Station: LAVO0280

NPS Station ID: LAVO0280
LAT/LON: 40.437505/-121.632227
Agency: 112WRD
Date Created: 12/19/81
Location: NF DIGGER C A RD 17 NR MINERAL CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 402615121375600
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0280

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/81-06/25/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/81-06/25/81	1	629.	629.	629.	629.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/81-06/25/81	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/25/81-06/25/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/81-06/25/81	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/25/81-06/25/81	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/25/81-06/25/81	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/81-06/25/81	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/81-06/25/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/81-06/25/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/81-06/25/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/81-06/25/81	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/81-06/25/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/25/81-06/25/81	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/25/81-06/25/81	1	0.52	0.52	0.52	0.52	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	1	0.45	0.45	0.45	0.45	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/81-06/25/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/25/81-06/25/81	1	0.51	0.51	0.51	0.51	0.	0.	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/25/81-06/25/81	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/81-06/25/81	1	0.56	0.56	0.56	0.56	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/81-06/25/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/81-06/25/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/81-06/25/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/25/81-06/25/81	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/25/81-06/25/81	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/81-06/25/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/81-06/25/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/81-06/25/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/81-06/25/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/81-06/25/81	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/25/81-06/25/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/25/81-06/25/81	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/81-06/25/81	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/81-06/25/81	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/81-06/25/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/81-06/25/81	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: LAVO0280

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/81-06/25/81	1	32.	32.	32.	32.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/81-06/25/81	1	62.	62.	62.	62.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/81-06/25/81	1	53.	53.	53.	53.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/25/81-06/25/81	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/25/81-06/25/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/25/81-06/25/81	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/25/81-06/25/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/25/81-06/25/81	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/25/81-06/25/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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

EPA Water Quality Criteria Analysis for Station: LAVO0280

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00							1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00							1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00							1	0	0.00			
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.	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: LAVO0281

NPS Station ID: LAVO0281
LAT/LON: 40.499726/-121.656393
Agency: 112WRD
Date Created: 12/19/81
Location: BAILEY C A BROKEOFF MDWS RD NR VIOLA CA
FIPS State/County: 06089 CALIFORNIA/SHASTA
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 402959121392300
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 18020118
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 18020118
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index:
RF3 Mile Point: 0.00
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: LAVO0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/25/81-09/10/81	2	15.	15.	17.	13.	8.	2.828	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	06/25/81-06/25/81	1	648.	648.	648.	648.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/25/81-09/10/81	2	17.	17.	31.	3.	392.	19.799	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/25/81-09/10/81	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/25/81-09/10/81	2	53.5	53.5	68.	39.	420.5	20.506	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/25/81-09/10/81	2	8.5	8.5	9.	8.	0.5	0.707	**	**	**	**
00400	PH (STANDARD UNITS)	06/25/81-09/10/81	2	6.8	6.8	7.	6.6	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/25/81-09/10/81	2	6.755	6.755	7.	6.6	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/81-09/10/81	2	0.176	0.176	0.251	0.1	0.011	0.107	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/25/81-09/10/81	2	7.25	7.25	7.5	7.	0.125	0.354	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/25/81-09/10/81	2	7.182	7.182	7.5	7.	0.134	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/25/81-09/10/81	2	0.066	0.066	0.1	0.032	0.002	0.048	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/25/81-09/10/81	2	13.5	13.5	18.	9.	40.5	6.364	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/25/81-06/25/81	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
00602	NITROGEN, DISSOLVED (MG/L AS N)	06/25/81-09/10/81	2	0.455	0.455	0.58	0.33	0.031	0.177	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/25/81-06/25/81	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	06/25/81-09/10/81	2	0.365	0.365	0.5	0.23	0.036	0.191	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	06/25/81-09/10/81	2	0.07	0.07	0.09	0.05	0.001	0.028	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/25/81-09/10/81	2 ##	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/25/81-09/10/81	2	0.435	0.435	0.55	0.32	0.026	0.163	**	**	**	**
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	06/25/81-09/10/81	2	0.065	0.065	0.13	0.	0.008	0.092	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/25/81-09/10/81	2	0.49	0.49	0.53	0.45	0.003	0.057	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/25/81-09/10/81	2 ##	0.028	0.028	0.045	0.01	0.001	0.025	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/25/81-09/10/81	2	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/25/81-09/10/81	2	0.015	0.015	0.02	0.01	0.	0.007	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	06/25/81-09/10/81	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/25/81-09/10/81	2	1.6	1.6	2.7	0.5	2.42	1.556	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/25/81-09/10/81	2	18.	18.	23.	13.	50.	7.071	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/25/81-09/10/81	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/25/81-09/10/81	2	5.25	5.25	6.5	4.	3.125	1.768	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/25/81-09/10/81	2	1.15	1.15	1.6	0.7	0.405	0.636	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/25/81-09/10/81	2	2.85	2.85	3.6	2.1	1.125	1.061	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/25/81-09/10/81	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/25/81-09/10/81	2	24.5	24.5	25.	24.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/25/81-09/10/81	2	1.15	1.15	1.5	0.8	0.245	0.495	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/25/81-09/10/81	2	1.	1.	2.	0.	2.	1.414	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/25/81-09/10/81	2	8.5	8.5	12.	5.	24.5	4.95	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/25/81-09/10/81	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**

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

Parameter Inventory for Station: LAVO0281

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/25/81-09/10/81	2	30.	30.	36.	24.	72.	8.485	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/25/81-09/10/81	2	63.5	63.5	77.	50.	364.5	19.092	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/25/81-09/10/81	2	61.5	61.5	72.	51.	220.5	14.849	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/25/81-09/10/81	2	2.4	2.4	4.18	0.62	6.337	2.517	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/25/81-09/10/81	2	0.085	0.085	0.1	0.07	0.	0.021	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	06/25/81-09/10/81	2	0.09	0.09	0.12	0.06	0.002	0.042	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	06/25/81-09/10/81	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
71887	NITROGEN, TOTAL, AS NO3 - MG/L	06/25/81-06/25/81	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	06/25/81-06/25/81	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: LAVO0281

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	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			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00				1	0	0.00			
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			
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			

& - 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 LAVO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	33	1	0.03	24	0	0.00				9	1	0.11			
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	30	0	0.00	9	0	0.00				21	0	0.00			
00154	SULFATE (AS S) WHOLE WATER	Drinking Water	250.	11	0	0.00	11	0	0.00									
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	749	19	0.03	351	11	0.03	6	0	0.00	392	8	0.02			
00400	PH	Fresh Chronic	9.	294	0	0.00	99	0	0.00	6	0	0.00	189	0	0.00			
		Other-Lo Lim.	6.5	294	19	0.06	99	6	0.06	6	0	0.00	189	13	0.07			
00403	PH, LAB	Fresh Chronic	9.	138	1	0.01	72	1	0.01	3	0	0.00	63	0	0.00			
		Other-Lo Lim.	6.5	138	35	0.25	72	14	0.19	3	0	0.00	63	21	0.33			
00406	PH, FIELD	Fresh Chronic	9.	586	13	0.02	296	1	0.00	16	0	0.00	274	12	0.04			
		Other-Lo Lim.	6.5	574 &	147	0.26	296	81	0.27	16	0	0.00	262	66	0.25			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	11	11	1.00	11	11	1.00									
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	7	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00							5	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00							5	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	43	0	0.00	13	0	0.00	2	0	0.00	28	0	0.00			
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	50	0	0.00	20	0	0.00	2	0	0.00	28	0	0.00			
00720	CYANIDE, TOTAL	Fresh Acute	0.022	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			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	98	0	0.00	32	0	0.00	4	0	0.00	62	0	0.00			
		Drinking Water	250.	98	0	0.00	32	0	0.00	4	0	0.00	62	0	0.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	116	20	0.17	87	14	0.16				29	6	0.21			
		Drinking Water	250.	116	20	0.17	87	14	0.16				29	6	0.21			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	117	0	0.00	56	0	0.00	3	0	0.00	58	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	94	21	0.22	66	13	0.20				28	8	0.29			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	149	0	0.00	90	0	0.00	2	0	0.00	57	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	25	0	0.00	13	0	0.00	2	0	0.00	10	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	13	11	0.85	7	5	0.71				6	6	1.00			
		Drinking Water	50.	13	11	0.85	7	5	0.71				6	6	1.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	26	7	0.27	20	4	0.20				6	3	0.50			
01007	BARIUM, TOTAL	Drinking Water	2000.	4	0	0.00				2	0	0.00	2	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									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	1300.	9	0	0.00	4	0	0.00	2	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	15.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01090	ZINC, DISSOLVED	Fresh Acute	120.	3	0	0.00							3	0	0.00			
		Drinking Water	5000.	3	0	0.00							3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	5000.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	15	3	0.20	8	3	0.38	3	0	0.00	4	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									
32104	BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00									
32105	DIBROMOCHLOROMETHANE, 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									
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00	1	0	0.00									
		Drinking Water	1000.	1	0	0.00	1	0	0.00									
34301	CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
34371	ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00									
		Drinking Water	700.	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 LAVO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	8/15-3/14 Obs	8/15-3/14 Exceed	8/15-3/14 Prop.	3/15-5/31 Obs	3/15-5/31 Exceed	3/15-5/31 Prop.	6/01-8/14 Obs	6/01-8/14 Exceed	6/01-8/14 Prop.	n/a Obs	n/a Exceed	n/a Prop.
34423	METHYLENE CHLORIDE, TOTAL	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									
34531	1,2-DICHLOROETHANE, TOTAL	Fresh Acute	118000.	1	0	0.00	1	0	0.00									
		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									
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									
39045	2,4,5-TP INCLUDES ACIDS & SALTS WATER SA	Drinking Water	50.	9	0	0.00	4	0	0.00	1	0	0.00	4	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									
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	5 &	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	0.2	5 &	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
		Drinking Water	2.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	5 &	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
		Drinking Water	3.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	5 &	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	9	0	0.00	4	0	0.00	1	0	0.00	4	0	0.00			
50064	CHLORINE, FREE AVAILABLE	Fresh Acute	0.019	22	5	0.23	8	0	0.00				14	5	0.36			
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	112	0	0.00	28	0	0.00	2	0	0.00	82	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	90	0	0.00	56	0	0.00	2	0	0.00	32	0	0.00			
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	64	0	0.00	37	0	0.00	1	0	0.00	26	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			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	11	0	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

No STORET Data Within the LAVO Study Area Exist for These Groups:

Chlorophyll*

*Not A Priority Parameter

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the LAVO Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	11	11	0	0	11
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	138	41	62	35	42
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	167	20	0	147	25
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1	0	1	0	1
00440	BICARBONATE ION (MG/L AS HCO3)	106	8	89	9	69
00445	CARBONATE ION (MG/L AS CO3)	37	7	12	18	23
		460	87	164	209	171(142)[1]

pH		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	294	15	93	186	57
00403	PH, LAB (STANDARD UNITS)	138	19	117	2	92
00406	PH, FIELD (STANDARD UNITS)	586	285	144	157	135
		1018	319	354	345	284(222)[1]

Conductivity		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	833	182	641	10	26
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	229	90	106	33	77
		1062	272	747	43	103(102)[1]

Dissolved Oxygen		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00300	OXYGEN, DISSOLVED (MG/L)	749	250	161	338	135
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	76	76	0	0	6
		825	326	161	338	141(135)[1]

Water Temperature		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	875	476	258	141	205
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	432	15	0	417	64
		1307	491	258	558	269(269)[1]

Flow		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00058	FLOW RATE, GALLONS/MIN.	47	0	47	0	34
00061	FLOW, STREAM, INSTANTANEOUS CFS	241	170	62	9	43
74073	FLOW, LITERS/MINUTE	7	0	7	0	7
		295	170	116	9	84 (84)[1]

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

Clarity/Turbidity		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	33	33	0	0	1
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	30	0	30	0	21
00078	TRANSPARENCY, SECCHI DISC (METERS)	52	29	23	0	32
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	11	11	0	0	11
		126	73	53	0	65 (54)[!]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	36	0	36	0	27
00602	NITROGEN, DISSOLVED (MG/L AS N)	41	0	41	0	27
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	36	0	36	0	27
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	41	0	41	0	27
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	43	0	43	0	27
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	64	24	40	0	29
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	8	0	8	0	1
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	5	0	5	0	5
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	42	0	42	0	27
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	43	0	43	0	27
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	43	0	43	0	27
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	50	0	43	7	34
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	6	0	6	0	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	70	0	70	0	49
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	112	8	103	1	49
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	90	72	8	10	24
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	64	57	7	0	4
		794	161	615	18	412(128)[!]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	164	71	87	6	52
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	13	0	13	0	6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	42	0	42	0	27
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	43	0	43	0	27
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	13	0	13	0	6
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	5	0	5	0	5
		280	71	203	6	123 (79)[!]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	202	44	142	16	92
00945	SULFATE, TOTAL (MG/L AS SO4)	117	61	55	1	36
00946	SULFATE, DISSOLVED (MG/L AS SO4)	94	0	75	19	72
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	133	84	48	1	38
		546	189	320	37	238(156)[!]

Bacteria		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	15	0	15	0	1
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	16	0	16	0	1
		31	0	31	0	2 (1)[!]

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

Toxic Elements		Total Obs.	01/01/85 to 08/17/94	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01000	ARSENIC, DISSOLVED (UG/L AS AS)	13	0	13	0	10
01002	ARSENIC, TOTAL (UG/L AS AS)	9	0	4	5	6
01012	BERYLLIUM, TOTAL (UG/L AS BE)	1	0	0	1	1
01027	CADMIUM, TOTAL (UG/L AS CD)	5	0	4	1	2
01034	CHROMIUM, TOTAL (UG/L AS CR)	8	3	4	1	3
01042	COPPER, TOTAL (UG/L AS CU)	9	4	4	1	3
01051	LEAD, TOTAL (UG/L AS PB)	5	0	4	1	2
71900	MERCURY, TOTAL (UG/L AS HG)	4	0	4	0	1
01067	NICKEL, TOTAL (UG/L AS NI)	1	0	0	1	1
01090	ZINC, DISSOLVED (UG/L AS ZN)	3	0	3	0	3
01092	ZINC, TOTAL (UG/L AS ZN)	5	0	4	1	2
00720	CYANIDE, TOTAL (MG/L AS CN)	5	0	4	1	2
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	1	0	0	1
32104	BROMOFORM, WHOLE WATER, (UG/L)	1	1	0	0	1
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	1	1	0	0	1
34301	CHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	1	1	0	0	1
34311	CHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
32106	CHLOROFORM, WHOLE WATER (UG/L)	1	1	0	0	1
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	1	1	0	0	1
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	1	1	0	0	1
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	1	1	0	0	1
34371	ETHYLBENZENE, TOTAL (UG/L)	1	1	0	0	1
34418	METHYL CHLORIDE, TOTAL (UG/L)	1	1	0	0	1
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	1	1	0	0	1
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	1	0	0	1
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	1	1	0	0	1
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	1	1	0	0	1
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	1	1	0	0	1
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	1	1	0	0	1
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	9	4	5	0	5
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	9	4	5	0	5
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	9	4	5	0	5
		119	43	63	13	75 (24)[1]

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

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	460	87	18.9	142	50.9	3.2	07/06/60-10/25/88	16.3
pH	1018	319	31.3	222	79.6	4.6	07/28/56-09/29/93	27.4
Conductivity	1062	272	25.6	102	36.6	10.4	07/28/56-09/29/93	28.6
Dissolved Oxygen	825	326	39.5	135	48.4	6.1	06/15/60-09/29/93	24.8
Water Temperature	1307	491	37.6	269	96.4	4.9	07/28/56-08/17/94	34.3
Flow	295	170	57.6	84	30.1	3.5	06/17/63-03/08/91	10.6
Clarity/Turbidity	126	73	57.9	54	19.4	2.3	07/08/79-10/25/88	13.5
Nitrate/Nitrogen	794	161	20.3	128	45.9	6.2	07/28/56-10/25/88	24.6
Phosphate/Phosphorus	280	71	25.4	79	28.3	3.5	07/24/64-10/25/88	11.5
Chlorophyll	0	0	0.0	0	0.0	0.0	No Data For Group	0.0
Sulfates/Total Dissolved Solids/Hardness	546	189	34.6	156	55.9	3.5	07/28/56-09/29/93	14.7
Bacteria	31	0	0.0	1	0.4	31.0	10/24/79-09/23/81	16.2
Toxic Elements	119	43	36.1	24	8.6	5.0	07/24/64-10/11/88	4.9

Water Quality Observations
Outside STORET Edit Criteria for LAVO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
LAVO0093	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		92.0000000	11NPSWRD	LAVO_USGS_BSTG	
LAVO0093	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790731		95.0000000	11NPSWRD	LAVO_USGS_BSTG	
LAVO0093	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	810925		95.0000000	11NPSWRD	LAVO_USGS_BSTG	
LAVO0094	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		92.0000000	11NPSWRD	LAVO_USGS_TG	
LAVO0104	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790731		94.0000000	11NPSWRD	LAVO_USGS_BSSE	
LAVO0104	01046	IRON, DISSOLVED (UG/L AS FE)	790731		63000.0000000	11NPSWRD	LAVO_USGS_BSSE	
LAVO0104	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	790731		28000.0000000	11NPSWRD	LAVO_USGS_BSSE	
LAVO0105	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790826		50.0000000	11NPSWRD	LAVO_1979_BSNES	
LAVO0105	00405	CARBON DIOXIDE (MG/L AS CO2)	790826		500.0000000	11NPSWRD	LAVO_1979_BSNES	
LAVO0120	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		65.0000000	11NPSWRD	LAVO_USGS_DBSP	
LAVO0120	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760901		66.0000000	11NPSWRD	LAVO_USGS_DBSP	
LAVO0122	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	640905		68.3000000	11NPSWRD	LAVO_USGS_DB21	
LAVO0123	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	55.0000000	11NPSWRD	LAVO_USGS_DB11	
LAVO0123	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	56.9000000	11NPSWRD	LAVO_USGS_DB11	
LAVO0123	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	56.2000000	11NPSWRD	LAVO_USGS_DB11	
LAVO0123	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	56.4000000	11NPSWRD	LAVO_USGS_DB11	
LAVO0123	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	56.9000000	11NPSWRD	LAVO_USGS_DB11	
LAVO0123	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	56.7000000	11NPSWRD	LAVO_USGS_DB11	
LAVO0123	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	57.1000000	11NPSWRD	LAVO_USGS_DB11	
LAVO0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	640824		66.1000000	11NPSWRD	LAVO_USGS_DB06	
LAVO0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	61.5000000	11NPSWRD	LAVO_USGS_DB06	
LAVO0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	62.2000000	11NPSWRD	LAVO_USGS_DB06	
LAVO0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	62.3000000	11NPSWRD	LAVO_USGS_DB06	
LAVO0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	62.2000000	11NPSWRD	LAVO_USGS_DB06	
LAVO0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	61.6000000	11NPSWRD	LAVO_USGS_DB06	
LAVO0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	61.9000000	11NPSWRD	LAVO_USGS_DB06	
LAVO0124	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	62.5000000	11NPSWRD	LAVO_USGS_DB06	
LAVO0125	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	60.3000000	11NPSWRD	LAVO_USGS_DB07	
LAVO0125	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	61.4000000	11NPSWRD	LAVO_USGS_DB07	
LAVO0125	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	61.5000000	11NPSWRD	LAVO_USGS_DB07	
LAVO0125	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	61.4000000	11NPSWRD	LAVO_USGS_DB07	
LAVO0125	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	62.1000000	11NPSWRD	LAVO_USGS_DB07	
LAVO0125	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	62.0000000	11NPSWRD	LAVO_USGS_DB07	
LAVO0125	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	61.3000000	11NPSWRD	LAVO_USGS_DB07	
LAVO0126	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	64.2000000	11NPSWRD	LAVO_USGS_DB05	
LAVO0126	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	64.2000000	11NPSWRD	LAVO_USGS_DB05	
LAVO0126	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	62.5000000	11NPSWRD	LAVO_USGS_DB05	
LAVO0126	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	64.3000000	11NPSWRD	LAVO_USGS_DB05	
LAVO0126	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	64.2000000	11NPSWRD	LAVO_USGS_DB05	
LAVO0126	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	63.5000000	11NPSWRD	LAVO_USGS_DB05	
LAVO0126	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	61.0000000	11NPSWRD	LAVO_USGS_DB05	

Water Quality Observations
Outside STORET Edit Criteria for LAVO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
LAVO0127	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	59.4000000	11NPSWRD	LAVO_USGS_DB03	
LAVO0127	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	60.4000000	11NPSWRD	LAVO_USGS_DB03	
LAVO0127	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	59.4000000	11NPSWRD	LAVO_USGS_DB03	
LAVO0127	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	60.1000000	11NPSWRD	LAVO_USGS_DB03	
LAVO0127	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	60.1000000	11NPSWRD	LAVO_USGS_DB03	
LAVO0127	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	60.1000000	11NPSWRD	LAVO_USGS_DB03	
LAVO0127	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	60.0000000	11NPSWRD	LAVO_USGS_DB03	
LAVO0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	56.2000000	11NPSWRD	LAVO_USGS_DB12	
LAVO0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	57.1000000	11NPSWRD	LAVO_USGS_DB12	
LAVO0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	56.9000000	11NPSWRD	LAVO_USGS_DB12	
LAVO0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	56.1000000	11NPSWRD	LAVO_USGS_DB12	
LAVO0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	56.8000000	11NPSWRD	LAVO_USGS_DB12	
LAVO0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	57.1000000	11NPSWRD	LAVO_USGS_DB12	
LAVO0128	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	56.9000000	11NPSWRD	LAVO_USGS_DB12	
LAVO0129	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	640824		52.2000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0129	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	50.0000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0129	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	50.3000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0129	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	50.7000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0129	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	50.5000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0129	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	50.8000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0129	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	51.3000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0129	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	51.1000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0129	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	641018		1710.0000000	11NPSWRD	LAVO_USGS_DB19	
LAVO0130	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	57.3000000	11NPSWRD	LAVO_USGS_DB04	
LAVO0130	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	57.9000000	11NPSWRD	LAVO_USGS_DB04	
LAVO0130	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	58.3000000	11NPSWRD	LAVO_USGS_DB04	
LAVO0130	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	57.2000000	11NPSWRD	LAVO_USGS_DB04	
LAVO0130	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	58.1000000	11NPSWRD	LAVO_USGS_DB04	
LAVO0130	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	57.6000000	11NPSWRD	LAVO_USGS_DB04	
LAVO0130	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	57.7000000	11NPSWRD	LAVO_USGS_DB04	
LAVO0131	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	640905		68.3000000	11NPSWRD	LAVO_USGS_DB02	
LAVO0132	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	48.6000000	11NPSWRD	LAVO_USGS_DB15	
LAVO0132	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	50.5000000	11NPSWRD	LAVO_USGS_DB15	
LAVO0132	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	50.8000000	11NPSWRD	LAVO_USGS_DB15	
LAVO0132	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	51.3000000	11NPSWRD	LAVO_USGS_DB15	
LAVO0132	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	50.4000000	11NPSWRD	LAVO_USGS_DB15	
LAVO0132	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	51.5000000	11NPSWRD	LAVO_USGS_DB15	
LAVO0132	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	50.8000000	11NPSWRD	LAVO_USGS_DB15	
LAVO0133	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	53.6000000	11NPSWRD	LAVO_USGS_DB13	
LAVO0133	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	54.4000000	11NPSWRD	LAVO_USGS_DB13	
LAVO0133	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	54.7000000	11NPSWRD	LAVO_USGS_DB13	

Water Quality Observations
Outside STORET Edit Criteria for LAVO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
LAVO0133	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	54.9000000	11NPSWRD	LAVO_USGS_DB13	
LAVO0133	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	55.3000000	11NPSWRD	LAVO_USGS_DB13	
LAVO0133	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	55.8000000	11NPSWRD	LAVO_USGS_DB13	
LAVO0133	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	55.5000000	11NPSWRD	LAVO_USGS_DB13	
LAVO0134	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	50.5000000	11NPSWRD	LAVO_USGS_DB20	
LAVO0134	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	52.0000000	11NPSWRD	LAVO_USGS_DB20	
LAVO0134	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	51.4000000	11NPSWRD	LAVO_USGS_DB20	
LAVO0134	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	51.3000000	11NPSWRD	LAVO_USGS_DB20	
LAVO0134	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	49.8000000	11NPSWRD	LAVO_USGS_DB20	
LAVO0134	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	50.0000000	11NPSWRD	LAVO_USGS_DB20	
LAVO0134	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	50.0000000	11NPSWRD	LAVO_USGS_DB20	
LAVO0135	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	640906		57.2000000	11NPSWRD	LAVO_USGS_DBH22	
LAVO0136	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	50.4000000	11NPSWRD	LAVO_USGS_DB17	
LAVO0136	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	51.8000000	11NPSWRD	LAVO_USGS_DB17	
LAVO0136	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	51.5000000	11NPSWRD	LAVO_USGS_DB17	
LAVO0136	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	51.5000000	11NPSWRD	LAVO_USGS_DB17	
LAVO0136	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	51.4000000	11NPSWRD	LAVO_USGS_DB17	
LAVO0136	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	52.5000000	11NPSWRD	LAVO_USGS_DB17	
LAVO0136	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	52.1000000	11NPSWRD	LAVO_USGS_DB17	
LAVO0137	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	57.3000000	11NPSWRD	LAVO_USGS_DB10	
LAVO0137	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	57.4000000	11NPSWRD	LAVO_USGS_DB10	
LAVO0137	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	59.0000000	11NPSWRD	LAVO_USGS_DB10	
LAVO0137	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	59.1000000	11NPSWRD	LAVO_USGS_DB10	
LAVO0137	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	58.7000000	11NPSWRD	LAVO_USGS_DB10	
LAVO0137	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	58.4000000	11NPSWRD	LAVO_USGS_DB10	
LAVO0137	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	58.5000000	11NPSWRD	LAVO_USGS_DB10	
LAVO0138	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	50.3000000	11NPSWRD	LAVO_USGS_DB18	
LAVO0138	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	51.3000000	11NPSWRD	LAVO_USGS_DB18	
LAVO0138	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	50.8000000	11NPSWRD	LAVO_USGS_DB18	
LAVO0138	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	50.7000000	11NPSWRD	LAVO_USGS_DB18	
LAVO0138	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	51.3000000	11NPSWRD	LAVO_USGS_DB18	
LAVO0138	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	52.4000000	11NPSWRD	LAVO_USGS_DB18	
LAVO0138	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	52.1000000	11NPSWRD	LAVO_USGS_DB18	
LAVO0139	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	58.4000000	11NPSWRD	LAVO_USGS_DB08	
LAVO0139	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	60.8000000	11NPSWRD	LAVO_USGS_DB08	
LAVO0139	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	60.9000000	11NPSWRD	LAVO_USGS_DB08	
LAVO0139	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	61.1000000	11NPSWRD	LAVO_USGS_DB08	
LAVO0139	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	60.5000000	11NPSWRD	LAVO_USGS_DB08	
LAVO0139	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	60.4000000	11NPSWRD	LAVO_USGS_DB08	
LAVO0139	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	61.0000000	11NPSWRD	LAVO_USGS_DB08	
LAVO0140	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	53.0000000	11NPSWRD	LAVO_USGS_DB14	

Water Quality Observations
Outside STORET Edit Criteria for LAVO

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NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
LAVO0140	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	53.0000000	11NPSWRD	LAVO_USGS_DB14	
LAVO0140	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	53.6000000	11NPSWRD	LAVO_USGS_DB14	
LAVO0140	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	53.2000000	11NPSWRD	LAVO_USGS_DB14	
LAVO0140	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	53.3000000	11NPSWRD	LAVO_USGS_DB14	
LAVO0140	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	54.0000000	11NPSWRD	LAVO_USGS_DB14	
LAVO0140	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	53.6000000	11NPSWRD	LAVO_USGS_DB14	
LAVO0140	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	641018		1744.0000000	11NPSWRD	LAVO_USGS_DB14	
LAVO0141	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	57.1000000	11NPSWRD	LAVO_USGS_DB09	
LAVO0141	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	57.2000000	11NPSWRD	LAVO_USGS_DB09	
LAVO0141	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	59.8000000	11NPSWRD	LAVO_USGS_DB09	
LAVO0141	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	57.5000000	11NPSWRD	LAVO_USGS_DB09	
LAVO0141	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	59.6000000	11NPSWRD	LAVO_USGS_DB09	
LAVO0141	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	58.3000000	11NPSWRD	LAVO_USGS_DB09	
LAVO0141	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	56.5000000	11NPSWRD	LAVO_USGS_DB09	
LAVO0141	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	641018		1809.0000000	11NPSWRD	LAVO_USGS_DB09	
LAVO0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	640824		56.1000000	11NPSWRD	LAVO_USGS_DB16	
LAVO0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	1800	51.1000000	11NPSWRD	LAVO_USGS_DB16	
LAVO0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641016	2200	51.0000000	11NPSWRD	LAVO_USGS_DB16	
LAVO0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0200	52.8000000	11NPSWRD	LAVO_USGS_DB16	
LAVO0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	0600	50.8000000	11NPSWRD	LAVO_USGS_DB16	
LAVO0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1000	51.8000000	11NPSWRD	LAVO_USGS_DB16	
LAVO0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641017	1400	53.2000000	11NPSWRD	LAVO_USGS_DB16	
LAVO0142	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	641018	1000	52.8000000	11NPSWRD	LAVO_USGS_DB16	
LAVO0148	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	860728		100.0000000	21CAL-3	A45/501-INTAKE	
LAVO0151	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750716		95.0000000	11NPSWRD	LAVO_USGS_DKHC	
LAVO0156	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760915		68.0000000	11NPSWRD	LAVO_USGS_DK	
LAVO0157	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	640905		57.2000000	11NPSWRD	LAVO_USGS_MSDK	
LAVO0157	00445	CARBONATE ION (MG/L AS CO3)	640905		130.0000000	11NPSWRD	LAVO_USGS_MSDK	
LAVO0162	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790731		93.0000000	11NPSWRD	LAVO_USGS_DKB	
LAVO0163	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750717		94.0000000	11NPSWRD	LAVO_USGS_DKNW	
LAVO0168	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		71.0000000	11NPSWRD	LAVO_USGS_DKLS	
LAVO0168	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760901		73.0000000	11NPSWRD	LAVO_USGS_DKLS	
LAVO0169	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760901		68.0000000	11NPSWRD	LAVO_USGS_DK1	
LAVO0170	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750717		95.0000000	11NPSWRD	LAVO_USGS_DKF	
LAVO0192	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790815		55.0000000	11NPSWRD	LAVO_USGS_BH	
LAVO0193	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	890724	1200	52.0000000	11NPSWRD	LAVO_USGS_BHWPP	
LAVO0194	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	890724	1035	41.0000000	11NPSWRD	LAVO_USGS_BHET	
LAVO0195	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	890724	1306	38.0000000	11NPSWRD	LAVO_USGS_BHW	
LAVO0196	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	890724	1120	61.0000000	11NPSWRD	LAVO_USGS_BHBR	
LAVO0197	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790801		52.5000000	11NPSWRD	LAVO_USGS_BHMA	
LAVO0200	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750716		93.0000000	11NPSWRD	LAVO_USGS_BHUS1	

Water Quality Observations
Outside STORET Edit Criteria for LAVO

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NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
LAVO0203	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790815		95.0000000	11NPSWRD	LAVO_USGS_GRHS	
LAVO0203	01000	ARSENIC, DISSOLVED (UG/L AS AS)	790815		11000.0000000	11NPSWRD	LAVO_USGS_GRHS	
LAVO0203	01005	BARIUM, DISSOLVED (UG/L AS BA)	790815		2500.0000000	11NPSWRD	LAVO_USGS_GRHS	
LAVO0203	01020	BORON, DISSOLVED (UG/L AS B)	790815		84000.0000000	11NPSWRD	LAVO_USGS_GRHS	
LAVO0209	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750716		90.0000000	11NPSWRD	LAVO_USGS_BHUSN	
LAVO0212	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750716		95.0000000	11NPSWRD	LAVO_USGS_GHS	
LAVO0212	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760801		95.0000000	11NPSWRD	LAVO_USGS_GHS	
LAVO0212	00935	POTASSIUM, DISSOLVED (MG/L AS K)	750716		203.0000000	11NPSWRD	LAVO_USGS_GHS	
LAVO0212	01000	ARSENIC, DISSOLVED (UG/L AS AS)	750716		11000.0000000	11NPSWRD	LAVO_USGS_GHS	
LAVO0212	01000	ARSENIC, DISSOLVED (UG/L AS AS)	760801		11000.0000000	11NPSWRD	LAVO_USGS_GHS	
LAVO0212	01005	BARIUM, DISSOLVED (UG/L AS BA)	760801		2500.0000000	11NPSWRD	LAVO_USGS_GHS	
LAVO0212	01020	BORON, DISSOLVED (UG/L AS B)	750716		105000.0000000	11NPSWRD	LAVO_USGS_GHS	
LAVO0212	01020	BORON, DISSOLVED (UG/L AS B)	760801		84000.0000000	11NPSWRD	LAVO_USGS_GHS	
LAVO0213	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790815		95.0000000	11NPSWRD	LAVO_USGS_MHS	
LAVO0213	01000	ARSENIC, DISSOLVED (UG/L AS AS)	790815		10600.0000000	11NPSWRD	LAVO_USGS_MHS	
LAVO0213	01005	BARIUM, DISSOLVED (UG/L AS BA)	790815		3000.0000000	11NPSWRD	LAVO_USGS_MHS	
LAVO0214	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760902		95.0000000	11NPSWRD	LAVO_USGS_LHSV4	
LAVO0216	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790815		93.0000000	11NPSWRD	LAVO_USGS_LHSV	
LAVO0217	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790801		55.0000000	11NPSWRD	LAVO_USGS_BHBB	
LAVO0219	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760902		81.0000000	11NPSWRD	LAVO_USGS_LHSV2	
LAVO0220	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760902		69.0000000	11NPSWRD	LAVO_USGS_LHSV1	
LAVO0221	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	640724		47.8000000	11NPSWRD	LAVO_USGS_LHS	
LAVO0223	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		66.0000000	11NPSWRD	LAVO_USGS_LHSVT	
LAVO0223	01005	BARIUM, DISSOLVED (UG/L AS BA)	760902		2400.0000000	11NPSWRD	LAVO_USGS_LHSVT	
LAVO0224	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		71.0000000	11NPSWRD	LAVO_USGS_GHS7	
LAVO0224	01020	BORON, DISSOLVED (UG/L AS B)	790824		68000.0000000	11NPSWRD	LAVO_USGS_GHS7	
LAVO0225	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760801		95.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0225	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760903		96.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0225	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		96.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0225	01000	ARSENIC, DISSOLVED (UG/L AS AS)	760801		10600.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0225	01000	ARSENIC, DISSOLVED (UG/L AS AS)	760903		10100.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0225	01005	BARIUM, DISSOLVED (UG/L AS BA)	760801		3000.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0225	01020	BORON, DISSOLVED (UG/L AS B)	760801		14000.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0225	01020	BORON, DISSOLVED (UG/L AS B)	760903		82000.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0225	01020	BORON, DISSOLVED (UG/L AS B)	790824		74000.0000000	11NPSWRD	LAVO_USGS_GHLG	
LAVO0227	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760903		94.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0227	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790801		93.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0227	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		94.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0227	00935	POTASSIUM, DISSOLVED (MG/L AS K)	760903		182.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0227	01000	ARSENIC, DISSOLVED (UG/L AS AS)	760903		9600.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0227	01000	ARSENIC, DISSOLVED (UG/L AS AS)	790801		10300.0000000	11NPSWRD	LAVO_USGS_GHULG	

Water Quality Observations
Outside STORET Edit Criteria for LAVO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
LAVO0227	01005	BARIUM, DISSOLVED (UG/L AS BA)	790801		3100.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0227	01020	BORON, DISSOLVED (UG/L AS B)	760903		85000.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0227	01020	BORON, DISSOLVED (UG/L AS B)	790801		25000.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0227	01020	BORON, DISSOLVED (UG/L AS B)	790824		74000.0000000	11NPSWRD	LAVO_USGS_GHULG	
LAVO0228	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		82.0000000	11NPSWRD	LAVO_USGS_GHS9	
LAVO0228	01020	BORON, DISSOLVED (UG/L AS B)	790824		70000.0000000	11NPSWRD	LAVO_USGS_GHS9	
LAVO0229	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		88.0000000	11NPSWRD	LAVO_USGS_GHS5	
LAVO0229	01020	BORON, DISSOLVED (UG/L AS B)	790824		72000.0000000	11NPSWRD	LAVO_USGS_GHS5	
LAVO0230	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750716		88.0000000	11NPSWRD	LAVO_USGS_GHHS	
LAVO0230	01000	ARSENIC, DISSOLVED (UG/L AS AS)	750716		9700.0000000	11NPSWRD	LAVO_USGS_GHHS	
LAVO0230	01020	BORON, DISSOLVED (UG/L AS B)	750716		81000.0000000	11NPSWRD	LAVO_USGS_GHHS	
LAVO0231	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		87.0000000	11NPSWRD	LAVO_USGS_GHS2	
LAVO0231	01020	BORON, DISSOLVED (UG/L AS B)	790824		71000.0000000	11NPSWRD	LAVO_USGS_GHS2	
LAVO0232	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		95.0000000	11NPSWRD	LAVO_USGS_GHS10	
LAVO0232	01020	BORON, DISSOLVED (UG/L AS B)	790824		70000.0000000	11NPSWRD	LAVO_USGS_GHS10	
LAVO0233	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		85.0000000	11NPSWRD	LAVO_USGS_GHS3	
LAVO0233	01020	BORON, DISSOLVED (UG/L AS B)	790824		72000.0000000	11NPSWRD	LAVO_USGS_GHS3	
LAVO0234	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		91.0000000	11NPSWRD	LAVO_USGS_LHSS2	
LAVO0234	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760902		91.0000000	11NPSWRD	LAVO_USGS_LHSS2	
LAVO0234	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790801		93.0000000	11NPSWRD	LAVO_USGS_LHSS2	
LAVO0235	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760902		94.0000000	11NPSWRD	LAVO_USGS_LHSV3	
LAVO0236	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760903		89.0000000	11NPSWRD	LAVO_USGS_GHS1	
LAVO0236	00935	POTASSIUM, DISSOLVED (MG/L AS K)	760903		179.0000000	11NPSWRD	LAVO_USGS_GHS1	
LAVO0236	01000	ARSENIC, DISSOLVED (UG/L AS AS)	760903		9200.0000000	11NPSWRD	LAVO_USGS_GHS1	
LAVO0236	01020	BORON, DISSOLVED (UG/L AS B)	760903		86000.0000000	11NPSWRD	LAVO_USGS_GHS1	
LAVO0237	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790824		82.0000000	11NPSWRD	LAVO_USGS_GHS4	
LAVO0237	01020	BORON, DISSOLVED (UG/L AS B)	790824		72000.0000000	11NPSWRD	LAVO_USGS_GHS4	
LAVO0238	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		93.0000000	11NPSWRD	LAVO_USGS_LHSS1	
LAVO0238	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760902		94.0000000	11NPSWRD	LAVO_USGS_LHSS1	
LAVO0238	01020	BORON, DISSOLVED (UG/L AS B)	760815		5100.0000000	11NPSWRD	LAVO_USGS_LHSS1	
LAVO0239	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750716		85.0000000	11NPSWRD	LAVO_USGS_GHSLG	
LAVO0239	01000	ARSENIC, DISSOLVED (UG/L AS AS)	750716		24300.0000000	11NPSWRD	LAVO_USGS_GHSLG	
LAVO0239	01020	BORON, DISSOLVED (UG/L AS B)	750716		90000.0000000	11NPSWRD	LAVO_USGS_GHSLG	
LAVO0240	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790801		88.0000000	11NPSWRD	LAVO_USGS_LHSVM	
LAVO0241	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	790801		55.0000000	11NPSWRD	LAVO_USGS_LHSVS	
LAVO0242	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		87.0000000	11NPSWRD	LAVO_USGS_SWS	
LAVO0242	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760903		91.0000000	11NPSWRD	LAVO_USGS_SWS	
LAVO0243	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	851211		100.0000000	21CAL-3	A52/500-INTAKE	
LAVO0245	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		83.0000000	11NPSWRD	LAVO_USGS_SWT	
LAVO0245	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760902		84.0000000	11NPSWRD	LAVO_USGS_SWT	
LAVO0247	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750715		86.0000000	11NPSWRD	LAVO_USGS_SW	

Water Quality Observations
Outside STORET Edit Criteria for LAVO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
LAVO0250	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750717	1200	86.0000000	11NPSWRD	LAVO_USGS_SWMHA	
LAVO0250	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	750717	1200	38.0000000	11NPSWRD	LAVO_USGS_SWMHA	
LAVO0251	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760815		81.0000000	11NPSWRD	LAVO_USGS_SWSSW	
LAVO0251	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	760903		88.0000000	11NPSWRD	LAVO_USGS_SWSSW	
LAVO0255	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	850630		100.0000000	21CAL-3	A45/509-INTAKE	
LAVO0277	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	850314	0830	100.0000000	21CAL-3	A52/501-INTAKE	

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) LAVOTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) LAVOSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) LAVOAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) LAVOAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) LAVOOV0.DOC - Overview of park and retrieved data.

(e) LAVOOV1.DOC - Station period of record table.

(f) LAVOOV2.DOC - Parameter period of record table.

(g) LAVOOV3.DOC - Station/parameter period of record table.

(h) LAVOINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) LAVOSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) LAVOEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) LAVOIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) LAVOBAD.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 LAVOOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\LAVOOV1.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) LAVOFIGS.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 LAVO0001. 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 LAVO0001) 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) LAVOPARM.ZIP

This file compresses LAVOPARM.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) LAVOSITE.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) LAVOWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) LAVOIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) LAVODRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) LAVOGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) LAVODAMS.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) LAVOMISC.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) LAVOEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) LAVOTOC.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) LAVOREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) LAVOWQ - 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 (LAVOWQA, LAVOWQB, LAVOWQC, etc.) and the index map name will end with an ampersand (&).

(g) LAVOIDG - 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 (LAVOIDGA, LAVOIDGB, LAVOIDGC, 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) LAVOSEHY - 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 LAVOFIGS.ZIP and LAVOTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in LAVOMISC.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) LAVORF3.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) LAVOWQMW.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: LAVOPARM.DBF in LAVOPARM.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: LAVOPARM.DBF in LAVOPARM.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: LAVOPARM.DBF in LAVOPARM.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: LAVOWQ.DBF in LAVOSITE.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: LAVOWQ.DBF in LAVOSITE.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: LAVOIFD.DBF in LAVOSITE.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: LAVOIFD.DBF in LAVOSITE.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: LAVOIFD.DBF in LAVOSITE.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: LAVODRIN.DBF in LAVOSITE.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: LAVODRIN.DBF in LAVOSITE.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: LAVODRIN.DBF in LAVOSITE.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: LAVOGAGE.DBF in LAVOSITE.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: LAVOGAGE.DBF in LAVOSITE.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: LAVODAMS.DBF in LAVOSITE.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: LAVODAMS.DBF in LAVOSITE.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: LAVODAMS.DBF in LAVOSITE.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: LAVODAMS.DBF in LAVOSITE.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 LAVORF3.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 LAVORF3.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 LAVORF3.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 LAVORF3.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 LAVORF3.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 LAVORF3.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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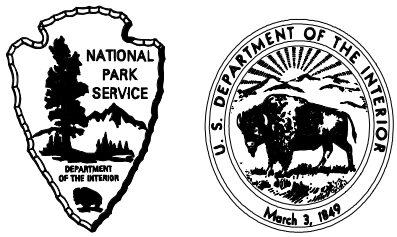
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NPS D-83 October 1999