

Data on Ground-Water Quality in the Winnemucca District of the U.S. Bureau of Land Management, Northwestern Nevada, 1934-87

By Kerry T. Garcia and Judy M. Jacoboni

U.S. GEOLOGICAL SURVEY

Open-File Report 89-424



Carson City, Nevada
1991

DEPARTMENT OF THE INTERIOR

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U.S. GEOLOGICAL SURVEY

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CONVERSION FACTORS AND ABBREVIATIONS

<i>Multiply</i>	<i>By</i>	<i>To obtain</i>
foot (ft)	0.3048	meter
inch (in.)	25.40	millimeter
mile (mi)	1.609	kilometer
square mile (mi ²)	2.590	square kilometer

Degrees Fahrenheit (°F) can be converted to degrees Celsius (°C) by using the formula °C = 0.5556 (°F - 32).

SEA LEVEL

In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929 (NGVD of 1929, formerly called "Sea-Level Datum of 1929"), which is derived from a general adjustment of the first-order leveling networks of both the United States and Canada.

Data on Ground-Water Quality in the Winnemucca District of the U.S. Bureau of Land Management, Northwestern Nevada, 1934-87

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ABSTRACT

This report is a compilation of data on the quality of ground water in the Winnemucca District of the U.S. Bureau of Land Management. It includes data on 591 samples collected from 530 wells and springs from 1934 to 1987.

The water-quality data in this report include specific conductance, pH, water temperature, color, turbidity, hardness, cations (calcium, magnesium, sodium, potassium), alkalinity, anions (carbonate, bicarbonate, sulfate, chloride, fluoride), silica, dissolved solids, nitrate, ammonia, and phosphorus. In addition, some analyses include the trace constituents aluminum, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, tin, vanadium, and zinc. Data for hydroxide, sulfide, bromide, iodide, nitrite, cesium, gallium, germanium, rubidium, titanium, zirconium, tritium, deuterium, oxygen-18, carbon-13, and the gases argon, carbon dioxide, ethane, hydrogen, methane, and oxygen for a limited number of sites are also included. Limited data for radionuclides, stable isotopes, and organics also are listed. Some samples exceeded primary drinking water standards for fluoride, trace constituents, and nitrates.

INTRODUCTION

The Winnemucca District of the U.S. Bureau of Land Management (BLM) encompasses about 13,000 square miles in northwestern Nevada (figure 1). Several small streams, including the Humboldt, Little Humboldt, Kings, and Quinn Rivers, and many springs and wells are in the District.

The BLM is responsible for the management of large tracts of public land in Nevada. Baseline data on the quality of ground water on those lands are necessary for development and execution of plans for land management and watershed protection, and for development and protection of domestic and livestock water supplies. Because of this need, the U.S. Geological Survey (USGS), in cooperation with the BLM, began a two-phase study within the Winnemucca District.

Purpose and Scope

This report presents the results of the first phase of the study. The purpose of the first phase was to compile a data base of the quality of the ground-water resources from existing information about water quality in the Winnemucca District. The scope of the work included an inventory and compilation of existing information and publication of the data. Previously published reports were the source of much of the water-quality data.

Phase two, as planned, will study the adequacy of data that were compiled and inventoried in phase one to address the suitability of the ground water for beneficial uses. Phase two also may include initiation of a monitoring program designed to meet shortcomings in the present data base.

Acknowledgments

The authors are grateful for the assistance provided by personnel of the BLM and the Nevada Department of Human Resources, Bureau of Consumer Health Protection Service (NBCHPS). Some of the water-quality data were provided by NBCHPS.

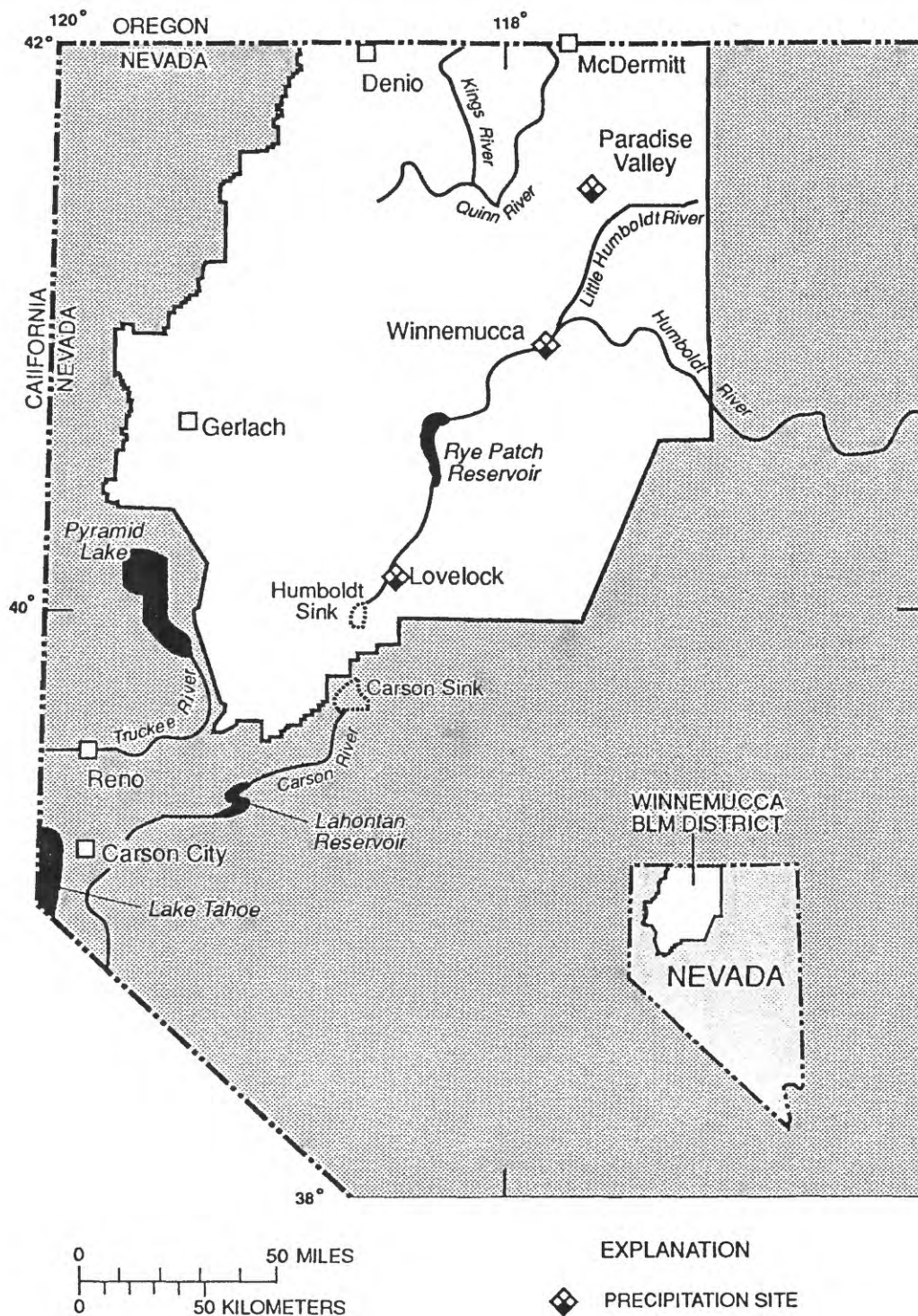


FIGURE 1.--Location of study area and sites where precipitation data were collected by National Weather Service.

Previous Studies Related to Hydrology

Several hydrologic studies of selected areas in and around the Winnemucca District have been made. Most of the studies were reconnaissance investigations; they include brief descriptions of the geology, hydrology, and water quality. The reports are as follows:

Report number	Hydrographic areas discussed (see figure 2)	Authors and year of publication (see "References Cited")
<i>Nevada Division of Water Resources Reconnaissance Reports</i>		
4	29	Sinclair, 1962a
5	72	Eakin, 1962
7	31	Sinclair, 1962b
11	24	Sinclair, 1962c
20	23, 24, 25, 26, 27, 28	Sinclair, 1963a
22	1, 2, 3, 4	Sinclair, 1963b
23	124, 125, 126, 127, 128, 130, 132	Cohen and Everett, 1963
29	71	Cohen, 1964
32	73	Everett and Rush, 1965
44	17, 18, 19, 20, 21, 22, 98	Glancy and Rush, 1968
55	75, 77, 78, 79	Harrill, 1970
57	76, 80-89, 91	Van Denburgh and others, 1973
<i>Nevada Division of Water Resources Bulletins</i>		
10	69	Loeltz and others, 1949
13	129	Loeltz and Phoenix, 1955
14	33	Visher, 1957
19	70	Cohen, 1962
24	70	Cohen, 1963
31	30	Malmberg and Worts, 1966
34	33	Huxel, 1966
37	24	Harrill, 1969
39	69	Harrill and Moore, 1970
<i>U.S. Geological Survey Open-File Reports</i>		
78-139	33B	Arteaga, 1978
85-648-E	33B, 36, 66, 67, 69, 70	Welch and Williams, 1987a
85-648-F	21, 24, 28, 73, 73A, 78, 81	Welch and Williams, 1987b
85-648-G	53, 54, 58, 60, 64-66, 70, 71, 128-130, 132	Welch and Williams, 1987c
85-648-H	74, 76, 81, 83, 87-90, 100, 101, 103, 105, 108, 124, 127, 128	Welch and Williams, 1987d
<i>U.S. Geological Survey Water-Resources Investigations Report</i>		
87-4062	23-26, 78	Welch and Preissler, 1990
<i>U.S. Geological Survey Water-Supply Paper</i>		
1539-C	80	Zones, 1961

GEOGRAPHIC AND HYDROLOGIC SETTING

The Winnemucca District in northwestern Nevada includes part or all of 47 hydrographic areas (Rush, 1968) in Nevada (figure 2). The District lies almost entirely within the Great Basin, and is characterized by a series of generally north-south-trending mountains and valleys. The mountains form the topographic and drainage divides between the hydrographic areas and can impede ground-water movement between adjacent valleys. Much of the Winnemucca District is high desert, with altitudes ranging from about 4,000 to 9,800 feet above sea level.

The Humboldt River is the major stream in the area, flowing through and terminating in the Winnemucca District (figure 1). The stream begins in eastern Nevada and flows southwestward and westward before entering the eastern part of the study area. The stream then flows northwestward for about 50 miles before turning southwestward again and flowing into Rye Patch Reservoir. The natural terminus of the stream is the Humboldt Sink, south of Lovelock.

Water released from Rye Patch Reservoir is used primarily for irrigation in the Lovelock area. The water that flows into the Humboldt Sink is mostly excess irrigation and wastewater from the Lovelock area.

The Little Humboldt River and its tributaries lie mostly in the Winnemucca District. Flow from this stream is diverted and used for irrigation in Paradise Valley. Excess irrigation and wastewater that does not evaporate or percolate, and is not transpired, flows into the Humboldt River near Winnemucca.

Kings River is a small stream in the northern part of the District that is a tributary of the Quinn River. Several other small streams lie within the District and generally terminate on the valley floors.

The Winnemucca District encompasses all or parts of Churchill, Humboldt, Lyon, Pershing, and Washoe Counties, with Humboldt (population, about 12,000) and Pershing (population, about 4,400) Counties comprising most of the District. The Winnemucca District has two major population centers, Winnemucca (population, about 6,000) and Lovelock (population, about 2,200), which provide most of the services required by people in the District (J.P. Comeaux, Nevada Department of Taxation, written commun., 1987). Smaller rural communities and ranches also are in the area.

The Sierra Nevada range along the western Nevada border and air masses moving eastward from the Pacific Ocean are important factors that control the climate in the study area. As the air masses move over the Sierra Nevada, the air cools and much of the moisture condenses and precipitates in the mountains. Consequently, the project area has a subhumid climate in the mountains and an arid to semiarid climate in the valleys.

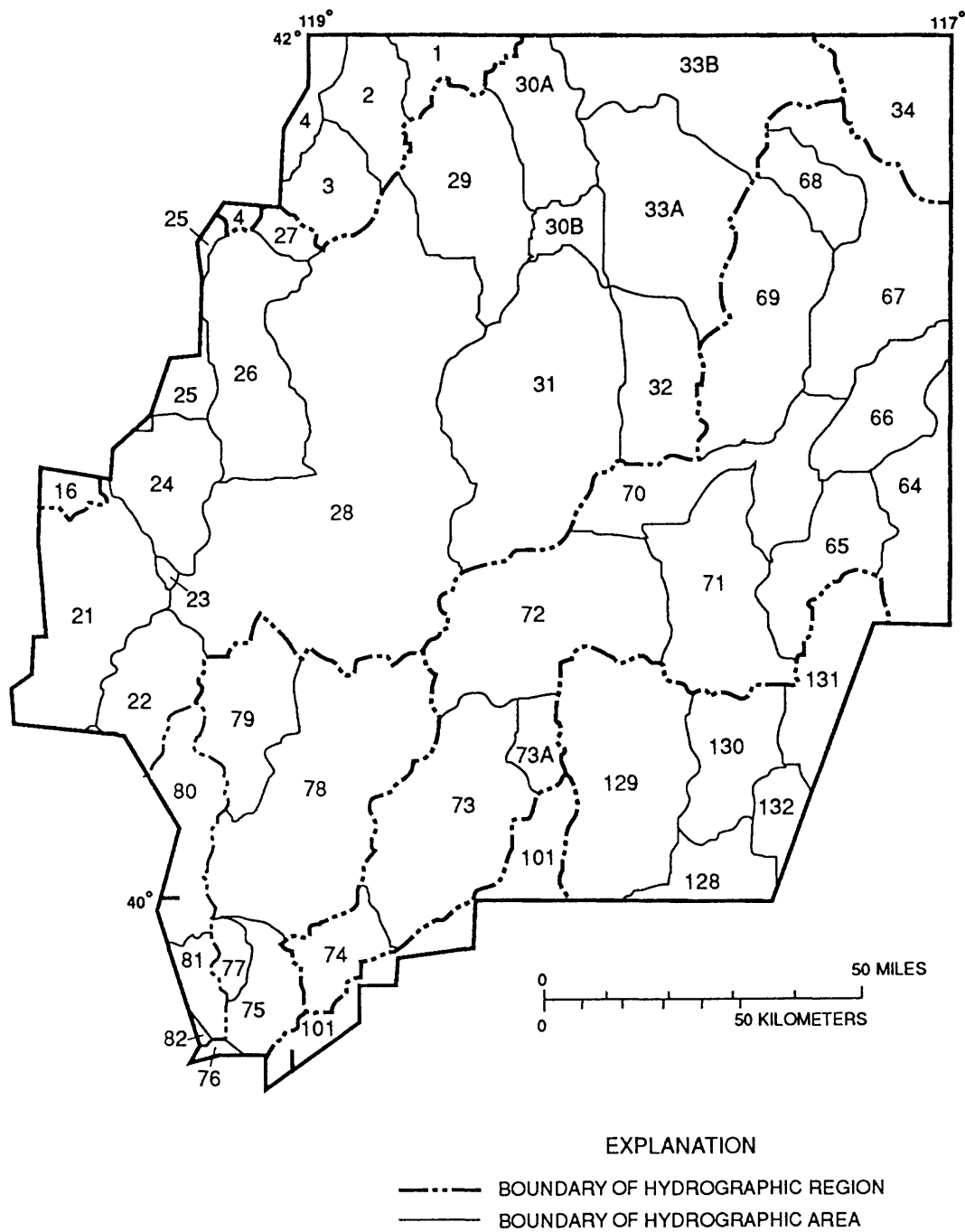


FIGURE 2.--Hydrographic regions and areas (Rush, 1968) in the Winnemucca District.

HYDROGRAPHIC REGIONS AND AREAS

Area number	Name	Area number	Name
<u>Northwest Region</u>			
1	Pueblo Valley	4	Virgin Valley
2	Continental Lake Valley	16	Duck Lake Valley
3	Gridley Lake Valley		
<u>Black Rock Desert Region</u>			
21	Smoke Creek Desert	30	Kings River Valley
22	San Emidio Desert		(A) Rio King Subarea
23	Granite Basin		(B) Sod House Subarea
24	Hualapai Flat	31	Desert Valley
25	High Rock Lake Valley	32	Silver State Valley
26	Mud Meadow	33	Quinn River Valley
27	Summit Lake Valley		(A) Orovada Subarea
28	Black Rock Desert		(B) Mc Dermitt Subarea
29	Pine Forest Valley		
<u>Snake River Basin</u>			
34	Little Owyhee River Area		
<u>Humboldt River Basin</u>			
64	Clovers Area	70	Winnemucca Segment
65	Pumpnickel Valley	71	Grass Valley
66	Kelly Creek Area	72	Imlay Area
67	Little Humboldt Valley	73	Lovelock Valley
68	Hardscrabble Area		(A) Oreana Subarea
69	Paradise Valley	74	White Plains
<u>West-Central Region</u>			
75	Bradys Hot Springs Area	78	Granite Springs Valley
76	Fernley Area	79	Kumiva Valley
77	Fireball Valley		
<u>Truckee River Basin</u>			
80	Winnemucca Lake Valley	82	Dodge Flat
81	Pyramid Lake Valley		
<u>Carson River Basin</u>			
101	Carson Desert		
<u>Central Region</u>			
128	Dixie Valley	131	Buffalo Valley
129	Buena Vista Valley	132	Jersey Valley
130	Pleasant Valley		

FIGURE 2.--Continued.

Average annual precipitation (National Climatic Center, 1987) at three weather stations in the study area (figure 1) is:

Station name	Altitude (feet above sea level)	Average annual precipitation (inches)
Lovelock	3,975	5.5
Paradise Valley	4,675	9.2
Winnemucca	4,297	7.9

Generally, most of the precipitation falls in the winter as snow. In the summer, precipitation is generally rain from thunderstorms.

Air temperature in the study area can fluctuate as much as 50 °F in a 24-hour period during the summer and as much as 30 °F in the winter. The mean annual air temperature at Winnemucca is about 49 °F. The average monthly temperature in January is about 30 °F, whereas in July it is about 72 °F. However, temperatures as low as -36 °F and as high as 108 °F have been recorded in Winnemucca.

METHODS USED IN THE STUDY

Data on ground-water quality in the Winnemucca District were extracted from a statewide data base maintained by the USGS. The data base included information on 591 water samples collected from 530 wells and springs from 1934 to 1987. Most of the samples reported in the data base were analyzed for specific conductance, pH, temperature, color, turbidity, hardness, cations (calcium, magnesium, sodium, and potassium), alkalinity, anions (carbonate, bicarbonate, sulfate, chloride, and fluoride), silica, dissolved solids, nitrate, ammonia,¹ and phosphorus. In addition, about 30 percent of the samples were analyzed for at least some of the following trace constituents: aluminum, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, tin, vanadium, and zinc. Data for hydroxide, sulfide, bromide, iodide, nitrite, cesium, gallium, germanium, rubidium, titanium, zirconium, tritium, deuterium, oxygen-18, carbon-13, and the gases argon, carbon dioxide, ethane, hydrogen, methane, and oxygen for a limited number of sites are also included. Limited data for radionuclides, stable isotopes, and organics also are listed.

¹ Ammonia data are the result of an analytical procedure that determines the combined concentration of the ammonium ion (NH_4^+) plus un-ionized ammonia (NH_3). In most waters having a pH of less than about 8.5, the concentration of ammonium exceeds that of ammonia.

Verification of site locations and analytical results was not within the scope of this project. However, as a check on the accuracy of the chemical analyses, the electrical balance between the cations and anions was compared. If the difference between the sum of the major cations and the sum of the major anions, expressed in milliequivalents per liter, exceeded 10 percent, the analysis was considered inaccurate and was excluded from the data compilation. When the electrical imbalance was small, the accuracy of the analytical results was considered acceptable. The imbalance calculation is:

$$\text{Imbalance (in percent)} = \frac{(\text{cations} - \text{anions})}{(\text{cations} + \text{anions})} \times 100$$

This check, which can be made only if all major ions have been analyzed and reported, could be made on about 40 percent of the analyses. Of those, 18 out of 228 had an imbalance that exceeded 10 percent and were eliminated from the data compilation.

Some of the reconnaissance reports (p. 4) include data that had not been stored in the water-quality data base. For the sites in these reports with water-quality data, well and spring locations were retrieved from the USGS site file, the location information was matched with the sites in these reports, and the data were then entered into the data base.

A few analyses from the NBCHPS were also entered into the water-quality data base if a site location could be matched with the analysis.

The analytical methods in use, their accuracy, precision, and detection limits, and the laboratory performing the analyses must be considered when interpreting water-quality data from extended time periods. Differences in sampling and sample handling must also be taken into account. Changes in sampling procedures and analytical techniques can have a significant effect on water-quality data. Geological Survey Water-Supply Paper 1454 and the first, second, and third editions of Book 5, Chapter A1, Techniques of Water-Resources Investigations of the United States Geological Survey can be consulted for information about USGS methods from 1960 to the present.

WATER-QUALITY CRITERIA FOR BENEFICIAL USE

Domestic Use

With modern technology and treatment, almost any ground water can be treated to meet drinking-water standards; however, the costs involved can be prohibitive. To be suitable for domestic use, ground water is generally expected to meet drinking-water standards with little or no treatment. Constituents in ground water may exceed a standard without injury to health; the concentration and duration depends on the nature of the constituent (National Academy of Sciences and National Academy of Engineering, 1973, p. 51).

Drinking-water standards for many constituents have been adopted by the State of Nevada. Those standards--as well as Federal standards--and the sources and significance of selected water-quality constituents, are listed in table 1. Nevada public-supply standards do not apply to individual private water supplies; however, they are used as recommended maximum concentrations (Darrell Rasner, NBCHPS, oral commun., 1986). Sites in the Winnemucca District where primary drinking-water standards were exceeded are listed in table 2 and shown in figures 3-5.

Agricultural Use

High concentrations of some constituents are toxic to animals or may accumulate in their tissues and body fluids, making them unsafe for human consumption (National Academy of Sciences and National Academy of Engineering, 1973, p. 309). Concentrations of constituents that make a water undesirable for livestock depend on several variables, such as age, sex, species, physiological state, water intake, and diet of the animal; the oxidation state of the toxic constituents; and the temperature of the environment (National Academy of Sciences and National Academy of Engineering, p. 309).

The criteria generally used to determine if a water is suitable for irrigation are (1) dissolved solids concentration (salinity hazard), (2) proportion of sodium to calcium plus magnesium (alkali hazard), and (3) boron concentration (toxicity hazard). Specific conductance is an indication of the salinity hazard because of its relation to dissolved solids. Dissolved-solids concentration can be estimated by multiplying specific-conductance values by a factor generally ranging from 0.55 to 0.75 (Hem, 1985, p. 67).

The alkali hazard is related to specific conductance and the SAR (sodium adsorption ratio). SAR is defined as follows:

$$SAR = \frac{(Na)}{\sqrt{[(Ca) + (Mg)] / 2}}$$

where (Na), (Ca), and (Mg) are the concentrations of sodium, calcium, and magnesium, respectively, expressed in milliequivalents per liter (U.S. Salinity Laboratory Staff, 1954).

Table 3 lists the recommended concentrations for selected constituents in water for agricultural use; table 4 classifies selected plants as to their relative tolerance to boron; and table 7 (back of report) shows ranges in values for selected constituents and properties of water from wells and springs in the study area.

TABLE 1.--Background information on constituents and properties of water

[Modified from Thodal (1989, table 4). Abbreviations: EPA, U.S. Environmental Protection Agency; NAS-NAE, National Academy of Sciences and National Academy of Engineering; NBCHPS, Nevada Bureau of Consumer Health Protection Services (1980); mg/kg, milligrams per kilogram; mg/L, milligrams per liter; mrem, millirems; mL, milliliter; pCi/L, picocuries per liter; $\mu\text{g/L}$, micrograms per liter; $^{\circ}\text{C}$, degrees Celsius; >, greater than; --, no data available]

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use ¹	Remarks
<u>Principal Constituents and Properties</u>				
Specific conductance	Capability of water to conduct electric current at specified temperature of 25 $^{\circ}\text{C}$. Presence of charged ionic species dissolved in water makes solution conductive, whereas pure liquid water (without dissolved ions) has very low electrical conductance. As ion concentrations increase, conductance of solution increases; therefore, specific conductance is indication of ion concentrations (Hem, 1985, p. 66).	Generally less than 1,000 microsiemens per centimeter at 25 $^{\circ}\text{C}$ for potable water (Hem, 1985, p. 67).	No enforceable standard.	Provides field estimate of ion concentration and quality control for associated laboratory analysis.
pH	A measure of acidity (pH value less than 7.0) or alkalinity (pH greater than 7.0) of water; is based on effective concentration (also called "activity") of dissolved hydrogen ions. Primary source of hydrogen ions in most natural ground-water systems is from reaction of water with carbon dioxide that is produced by soil microorganisms; this reaction forms dissolved bicarbonate and hydrogen ions (Hem, 1985, p. 61-63).	The pH of pure water at 25 $^{\circ}\text{C}$ is 7.00 (which is termed a neutral pH). Typical ground-water values range from about 6.0 to about 8.5 (Hem, 1985, p. 63-64).	Secondary standard: range of acceptable pH is from 6.5 to 8.5 (NBCHPS).	Toxicity of certain compounds (such as hydrogen cyanide or ammonia), solubility of metal compounds, and corrosiveness of water are affected by pH (EPA, 1976, p. 178-179). The pH is also a controlling factor in geochemical equilibrium.

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use ¹	Remarks
Turbidity	Semiquantitative measure of light scattering due to suspended inorganic and organic particles, precipitates, colloids, and plankton. May be derived from soil erosion, algal blooms, industrial wastes, sewage, or chemical reactions such as oxidation of dissolved iron.	--	Secondary standard: 1 to 5 standard turbidity units, depending upon population served by water-supply system (NBCHPS).	Esthetically objectionable in drinking water.
Hydrogen sulfide (H ₂ S)	Found naturally in some hydrocarbon gas accumulations and in volcanic gases. Also can be found near paper mills and tanneries.	Most people can detect odor of hydrogen sulfide in water when concentration is few tenths of mg/L (Hem, 1985, p. 117).	Level of undissociated hydrogen sulfide assumed to be safe for aquatic organisms is 0.002 mg/L (NAS-NAE, 1973, p. 193).	Hydrogen sulfide is irritant; on chronic exposure, concentrations may produce conjunctivitis or pulmonary edema (Smith, 1980, p. 329).
Hardness (as CaCO ₃)	Derived principally from dissolved calcium and magnesium.	Commonly 200 to 300 mg/L in carbonate ground water.	No enforceable standard.	Consumes soap and detergents before lather will form, resulting in soap curds depositing on sinks and bathtubs. Hard water forms scales in pipes, boilers, and water heaters. Water-hardness classification: 0-60 mg/L, soft; 61-120 mg/L, moderately hard; 121-180 mg/L, hard; more than 180 mg/L, very hard. Soft water is corrosive to metal pipes and fixtures.
Calcium (Ca) and magnesium (Mg)	Dissolved from rocks and soils, especially those containing limestone, dolomite, and gypsum.	Calcium: 1 to more than 1,000 mg/L. Magnesium: Normally much less than calcium and usually less than sodium (Hem, 1985, p. 89-100).	Secondary standards for magnesium: 125 mg/L unless alternative supply unavailable, then 150 mg/L (NBCHPS).	Impart hardness and scale-forming properties to water (see hardness). High concentrations unsuitable for laundries, steam plants, textile processing, dyeing, and electroplating. Small amounts desirable to prevent corrosion.

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria ¹ for water use	Remarks
Sodium (Na) and potassium (K)	Dissolved from most rocks and soils. High concentrations may be found in natural brines, industrial waste, and sewage.	Sodium: Generally 1 to 1,000 mg/L. Potassium: Commonly 0.1 to 0.5 times sodium; generally less than 10 mg/L (Hem, 1985, p. 100-105).	No enforceable standard.	Concentrations greater than 50 mg/L may cause foaming in boilers. Combine with chloride to impart salty taste. Sodium may contribute to hypertension and cardiovascular diseases. Sodium may be objectionable in irrigation water at concentrations that depend on type of crop and soil.
SAR (Sodium-adsorption ratio)	Mathematical computation using calcium, magnesium, and sodium.	Less than about 5 mg/L.	None.	Used as gross measure of suitability of water for irrigation.
Bicarbonate (HCO₃) and carbonate (CO₃)	Dissolved from most rocks and soils by carbon dioxide reacting with carbonate minerals such as limestone and dolomite. Carbonate ion can exist only if the pH is 8.3 or more.	Bicarbonate: Generally less than 200 mg/L in surface water and 500 mg/L in ground water. Carbonate: Generally less than 10 mg/L (Hem, 1985, p. 105-109).	No enforceable standard.	Increases alkalinity and, usually, pH of water. In combination with calcium and magnesium, causes scales in pipes and, upon heating, may release corrosive carbon dioxide.
Sulfate (SO₄)	Dissolved from rocks and soils containing gypsum and sulfide or sulfate minerals. Commonly associated with coal deposits, metallic ore deposits, and geothermal areas. May be derived from industrial wastes and atmospheric pollution.	Generally ranges from 1 to 1,000 mg/L (Hem, 1985, p. 116-117).	Secondary standards: 250 mg/L unless alternate supply unavailable, then 500 mg/L (NCHPS).	Forms boiler scale in combination with calcium. Causes bitter taste when combined in high concentrations with other ions and may have laxative effects when ingested in higher concentrations than an individual is accustomed to. Combines with hydrogen ions in low-pH water to form sulfuric acid.
Chloride (Cl)	Dissolved in differing amounts from all rocks and soils. High concentrations may be derived from marine and desert evaporites and brines. Commonly present in sewage and industrial wastes. May be derived from salts used for control of ice on streets and highways.	Commonly less than 100 mg/L in potable water (Hem, 1985, p. 117-120).	Secondary standards: 250 mg/L unless alternate supply unavailable, then 400 mg/L (NCHPS).	May contribute to corrosiveness of water. Imparts salty taste in concentrations as low as 100 mg/L. The chloride ion is very stable in ground water and is often used as a tracer of ground-water movement in aquifers.

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use	Remarks
Fluoride (F)	Dissolved in small amounts from most rocks and soils. Added to many public water supplies to inhibit tooth decay.	Commonly less than 1.0 mg/L in potable natural water (Hem, 1985, p. 120-123).	Primary standard, 4.0 mg/L; secondary standard, 2.0 mg/L (EPA, 1986).	Concentrations between 0.6 and 1.7 mg/L may have beneficial effects on the structure and resistance to decay of children's teeth. Concentrations in excess of 6.0 mg/L may cause mottling and disfiguration of teeth (NAS-NAE, 1973, p. 66).
Bromide (Br)	Similar in chemical behavior to chloride, but much less abundant (Hem, 1985, p. 146).	Normal range, 5-150 µg/L in precipitation; geothermal water may have >20 mg/L (Hem, 1985, p. 146).	None.	Gasoline additive, fumigants, fire-retardant agents (Hem, 1985, p. 46).
Iodide (I)	Not abundant, but widely distributed.	Rainwater, 1-3 µg/L; may be concentrated in some brines (Hem, 1985, p. 146).	None.	Silver iodide has been used for cloud seeding. Is essential in nutrition of higher animals, including humans (Hem, 1985, p. 146).
Silica (SiO₂)	Dissolved in most natural water in hydrated form [Si(OH) ₄] from rocks and soils containing minerals such as quartz, kaolinite, or potassium feldspar (Hem, 1985, p. 69-73).	Commonly 1 to 30 mg/L with concentrations up to 100 mg/L occurring frequently (Hem, 1985, p. 73).	No enforceable standard.	Silica solubility is controlled by temperature and pH, and changes in these properties may cause precipitation of silicate minerals from solution.
Dissolved solids	Sum of all minerals dissolved in water. Concentrations may be increased by industrial wastes, sewage, agricultural drainage, or naturally by evapotranspiration.	Ground water is generally in the range of 25 to 1,000 mg/L (Hem, 1985, p. 31).	Secondary standards: 500 mg/L unless alternate supply not available, then 1,000 mg/L (NBCHPS).	Specific effects upon water uses depend upon individual constituents present.

TABLE 1.--Background Information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria ¹ for water use	Remarks
<i>Principal Nutrients</i>				
Nitrogen (N)	Derived from atmosphere by nitrogen fixation or leached from decaying organic matter, fertilizer, sewage, or industrial, agricultural, and domestic wastes. Nitrogen generally occurs in ground water as nitrate (NO ₃), nitrite (NO ₂), ammonium (NH ₄), ammonia (NH ₃), and organic nitrogen. Cyanide (CN) may also be introduced to ground water through improper waste disposal (Hem, 1985, p. 124-126).	Nitrate, less than 10 mg/L; nitrite, ammonium, ammonia, and organic nitrogen, all less than 1 mg/L (Hem, 1985, p. 124-126).	Primary standard: Nitrate, 10 mg/L as N or 44 mg/L as NO ₃ ; no enforceable standards for other nitrogen species (NBCHPs).	Nitrate concentrations in excess of 10 mg/L (as N) may cause methemoglobinemia (infant cyanosis, or "blue-baby" syndrome). Nitrogen is also an essential nutrient which may promote aquatic plant growth in lakes and streams. High concentrations of dissolved nitrogen may indicate contamination from agricultural, domestic, or industrial wastes, or from fertilizer.
Phosphorus (P), and orthophosphorus (PO₄)	Derived from phosphate minerals (notably apatite); common trace constituent of many rocks and soils. May be present in sewage and agricultural runoff.	--	No enforceable standard. Criterion for freshwater aquatic life: 0.025 to 0.05 mg/L as P (EPA, 1986).	Used as component of agricultural fertilizer and some detergents. Encourages growth of nuisance algae in lakes and streams where phosphorus is a limiting nutrient.
<i>Minor Constituents</i>				
Aluminum (Al)	Found in silicate rocks. Low- and high-pH waters may contain high concentrations (Hem, 1985, p. 73-75).	Generally 30 to 300 µg/L (Hem, 1985, p. 73)	None.	Gastrointestinal irritation can occur from large oral doses. Aluminum is used as building material and in industry.
Antimony (Sb)	Derived mainly from the mineral stibnite (Hem, 1985, p. 145).	Concentrations can be expected to be very small in most natural waters; thermal waters may contain a few hundred micrograms per liter (Hem, 1985, p. 145).	Criteria: 146 µg/L through ingestion of water and contaminated organisms (EPA, 1986).	Acute poisoning may result from ingestion of antimony. Used with lead alloys in storage batteries and in rubber and textile industries.

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use ¹	Remarks
Argon (Ar)	Radioactive decay of potassium-40 (Hem, 1985, p. 154).	Atmosphere contains about 1 percent argon. Concentrations in solution in ground water should reflect the concentrations in atmosphere (Hem, 1985, p. 154).	None.	Colorless and odorless. Used in gas-filled electric lamps.
Arsenic (As)	Associated with volcanic minerals and metallic ore deposits. Common in thermal ground water.	--	Primary standard: 50 µg/L (NBCHPS).	Trivalent arsenic (arsenite) is more toxic than pentavalent arsenic (arsenate). Epidemiologic studies by U.S. Public Health Service suggest that elevated concentrations in drinking water may be related to increased incidence of skin cancer (Hammond and Bellies, 1980, p. 437-438).
Barium (Ba)	Dissolved in small amounts from rocks and soils containing soluble barium salts. Higher concentrations have been reported associated with certain oilfield waters and other brines. Common minerals are barite and witherite (Hem, 1985, p. 135-137).	Reported median concentration in public water supplies: 43 µg/L (Hem, 1985, p. 137).	Primary standard: 1,000 µg/L (NBCHPS).	Uses: metallurgy, paint, glass, electronics, and medicine. May affect the central nervous system and gastrointestinal system and may act as muscle stimulant, especially of heart muscle (EPA, 1986).
Beryllium (Be)	Rare element found in crustal rocks. Can be found in higher concentrations in acid water (Hem, 1985, p. 135).	Generally less than a few tenths of a microgram per liter in river water (Hem, 1985, p. 135).	None.	Coal combustion contributes beryllium to environment (Hammond and Bellies, 1980 p. 438).
Bismuth (Bi)	Byproduct of tin, lead, and copper ores.	Concentration in seawater is about 0.02 µg/L (NAS-NAE, 1973, p. 244).	None.	Used in heat-sensitive devices, silvering of mirrors, and in electronics industry. Chemical toxicity in humans consists of decreased appetite, foul breath, weakness (Hammond and Bellies, 1980, p. 439-440).

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use	Remarks
Boron (B)	Dissolved in small to moderate amounts from soils and rocks containing sodium or calcium borate salts. Higher concentrations have been associated with volcanic areas and geothermal spring water (Hem, 1985, p. 129).	Commonly a few tenths of a milligram per liter (Hem, 1985, p. 129).	Standard: 750 µg/L for long-term irrigation of sensitive crops (EPA, 1986).	Uses: fire retardants, glass, leather tanning and finishing, cosmetics, photography, metallurgy, and high-energy rocket fuels. Essential element for plant growth, but sensitive crops have shown toxic effects at concentrations less than 1,000 µg/L. No evidence that it is required by animals (EPA, 1986).
Cadmium (Cd)	Dissolved in small amounts from rocks and soils containing minerals such as sphalerite, commonly associated with zinc and copper ores. High concentrations may be found in landfill leachate (Hem 1985, p. 142).	Commonly less than 10 µg/L (Hem, 1985, p. 142).	Primary standard: 10 µg/L (NBCHFS). Criteria: 10 µg/L for irrigation water; for aquatic life, criterion is related to water-hardness concentration (EPA, 1986).	Uses: electroplating, paint, printing inks, plastics, electrical batteries, and fluorescent and video tubes. Causes deterioration of bones in humans. Irrigation-water criteria established on basis of human toxicity and tendency to accumulate in plants. Acute toxicity to aquatic life is buffered by hardness and salinity.
Cesium (Cs)	Rare element found in nature as component of the mineral pollucite (Hammond and Bellies, 1980, p. 441).	Estimated average of 0.02 µg/L in river water (Hem, 1985, p. 134).	None.	Used as a catalyst in manufacture of photoelectric cells.

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use	Remarks
Chromium (Cr)	Dissolved in very small amounts from rocks and soils containing minerals such as chromite, and is found in greater relative abundance in magnesium- and iron-rich igneous rocks. High concentrations may indicate contamination from waste-disposal leachate. Ground water has been polluted in many places as a result of industrial applications (Hem, 1985, p. 138).	Commonly less than 10 µg/L (Hem, 1985, p. 138).	Primary standard: 50 µg/L (NBCHPS).	Plating processes are the primary industrial application of chromium. Trivalent chromium is essential element in animal metabolism of glucose and lipids. Occupational exposure to hexavalent chromium compounds causes dermatitis, penetrating ulcers on hands and forearms, and perforation of nasal septum, and inflammation of larynx and liver. Epidemiological studies estimate relative risk of chromate plant workers for respiratory cancer is 20 times greater than that of general population. Laboratory mice, given 5 mg/L hexavalent chromium in drinking water, had slightly higher incidence of malignant tumors than control mice (Hammond and Beliles, 1980, p. 441-442).
Cobalt (Co)	More common in ultrabasic igneous rocks (Rankama and Sahama, 1950, p. 684).	Generally waters have less than 1.0 µg/L (Hem, 1985, p. 139).	None.	Increased levels of cobalt in water may cause goiter. Essential for plant and animal nutrition but in small amounts.
Copper (Cu)	Dissolved in small amounts from rocks and soils containing minerals such as chalcocite and chalcocite. Also leached from water pipes and plumbing fixtures by water with less than neutral pH (Hem, 1985, p. 141). High concentrations are associated with acid drainage from mines.	Commonly less than 10 µg/L (Hem, 1985, p. 141).	Secondary standard: 1,000 µg/L. Criteria: 500 µg/L for livestock water; 200 µg/L for long-term irrigation (EPA, 1986).	Copper is essential to plant and animal metabolism, but range between deficiency and toxicity is low for organisms such as algae, fungi, some invertebrates, and fish, which lack effective barriers to control absorption. Monogastric mammals, including humans, are less sensitive to copper than ruminants, but excessive ingestion of copper salts may cause death (Hammond and Beliles, 1980, p. 443).
Gallium (Ga)	Byproduct of aluminum, copper, lead, and zinc ores.	--	None.	Used in high-temperature thermometers, arc lamps, alloys, and seals for glass and vacuum equipment (Hammond and Beliles, 1980, p. 444).

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use ¹	Remarks
Germanium (Ge)	Byproduct of some ores, including zinc.	--	None.	Used in electronics, fine lenses, some aluminum alloys, and as a catalyst (Hammond and Bellies, 1980, p. 444).
Iron (Fe)	Dissolved from iron-bearing minerals present in most rocks and soils. Found in some industrial wastes, and can be corroded from pipes, well casings, pumps, and other equipment. Also can be concentrated in wells and springs by certain bacteria.	Concentrations in ground water as high as 1,000 to 10,000 µg/L may be common in some aquifers. Areal distribution is commonly erratic (Hem, 1985, p. 83).	Secondary standards: 300 µg/L unless alternate supply is unavailable, then 600 µg/L (NBCHPS).	Oxidizes to reddish-brown sediment. Stains utensils, enamelware, clothing, and plumbing fixtures. May cause taste and odor problems objectionable for food and beverage processing.
Lead (Pb)	Dissolved in small amounts from soils and rocks containing minerals such as galena (principal ore of lead). Lead minerals are most abundant in sedimentary rock. "Leaded" gasoline and lead water pipes also can increase concentrations of lead (Hem, 1985, p. 43-144).	Less than 10 µg/L in potable water (Hem, 1985, p. 143-144).	Primary standard: 50 µg/L (NBCHPS).	Uses: paints, batteries, and in sport-hunting and fishing industry. Lead adversely affects the central nervous system, peripheral nerves, kidney, and hematopoietic system. Chronic or sub-chronic exposure to high concentrations of inorganic lead may lead to commonly fatal condition referred to as lead encephalopathy, whereas toxic effects of alkyl lead compounds on central nervous system result in hallucinations, delusions, and excitement, progressing to delirium in fatal cases. Other effects of lead exposure include colic, chromosomal aberrations, and abnormal sperm morphology. Inhalation and ingestion are principal modes of exposure (Hammond and Bellies, 1980, p. 418-421).
Lithium (Li)	Found in pegmatite minerals and natural brines (Hem, 1985, p. 134).	Generally range from 1 to 3 µg/L in dilute natural water (Hem, 1985, p. 134).	None.	Lithium is used in alloys and in medicine.

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria ¹ for water use	Remarks
Manganese (Mn)	Dissolved from some rocks, soils, and lake-bottom sediments. Generally associated with iron; often associated with acid drainage from mines (Hem, 1985, p. 86).	Generally less than 1,000 µg/L; usually less than iron (Hem, 1985, p. 89).	Secondary standards: 50 µg/L unless alternate supply is unavailable, then 100 µg/L (NBCHPS).	Oxidizes to dark brown or black sediment. Poses problems similar to those of iron.
Mercury (Hg)	Dissolved in very small amounts from soils and rocks containing minerals such as cinnabar (principal ore of mercury).	Less than 1.0 µg/L in potable water (Hem, 1985, p. 142-143).	Primary standard: 2 µg/L (NBCHPS).	Use as amalgam for gold and silver extraction may have increased its abundance in vicinity of pre-1900 mining operations. Other uses: electrical, electrolytic preparation of chlorine and caustic soda, thermometers, pharmaceuticals, dentistry, and as agricultural and industrial biocide. Mercury is highly poisonous element that is known to accumulate in aquatic organisms. Also accumulates in organs of animals and humans. Adverse effects of mercury are principally manifested in kidney and central nervous system. Neurotoxicity of mercury poisoning occurs due to disruption of integrity of blood-brain barrier, inhibition of protein synthesis, and blocked synaptic and neuromuscular transmission. Mercury nephrotoxicity results only from exposure to inorganic mercury, and pathogenetic mechanism is not well understood. Other effects include stomatitis, gingivitis, and inflammation of intestinal mucosa (Hammond and Bellies, 1980, p. 424-426).

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use ¹	Remarks
Molybdenum (Mo)	Accessory element in many metal ores and fossil fuels (Hem, 1985, p. 140).	Generally less than 1 µg/L in surface water unaffected by pollution. Concentrations near 4 mg/L have been found in streams affected by molybdenum mining (Hem, 1985, p. 140).	No enforceable standard.	Used in steel alloys and in ceramics.
Nickel (Ni)	Found in crustal rocks (Hem, 1985, p. 139).	Uncontaminated natural waters should have a few micrograms per liter (Hem, 1985, p. 139).	Standard: 0.013 mg/L for drinking water (EPA, 1986).	Important industrial metal. Used in stainless steel.
Rubidium (Rb)	Byproduct of potassium and molybdenum production.	--	None.	Used in the manufacture of photoelectric cells (Hammond and Bellies, 1980, p. 454).
Selenium (Se)	Dissolved in very small amounts from rocks and soils containing minerals such as clausenthalite, ferroselite, or challomenite (Fairbridge, 1972, p. 1080). Also may be leached from soils containing detritus of selenium-accumulating vegetation (organic selenium) or selenium salts [for example, ferric selenite or calcium selenate (Wigget and Alfors, 1986, p. 105)].	Rarely exceeds 1 µg/L in potable water. Up to 3,000 µg/L in drainage water from seleniferous irrigated soils (Hem, 1985, p. 145-146).	Primary standard: 10 µg/L (NBCHPS).	Selenium is essential nutrient for animals, and its deficiency in livestock diet is common. However, when intake becomes excessive, selenium toxicity can result--"blind staggers" in livestock and embryonic deformities in waterfowl.

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use ¹	Remarks
Silver (Ag)	Dissolved in small amounts from rocks and soils containing minerals such as argentite or cerargyrite (Fairbridge, 1972, p. 1092). Limited solubility and distribution of silver suggests its occurrence in ground water may indicate contamination from silver mining/milling operations or improper disposal of photographic-processing wastes (Hem, 1985, p. 141).	Much less than 10 µg/L in most natural water (Hem, 1985, p. 141).	Primary standard: 50 µg/L (NBCHPS).	Uses: jewelry and coinage, photography, and electronics; silver iodide has been used in "cloud seeding" to induce or intensify precipitation (Hem, 1985, p. 141). Elemental silver is not considered toxic (although it does cause skin discoloration: argyria), but most silver salts are toxic due to associated anions.
Strontium (Sr)	Fairly common element in igneous-rock minerals (Hem, 1985, p. 135).	Median content for larger U.S. public water supplies, 0.11 mg/L. Concentrations above 1 mg/L have been found in some U.S. ground waters (Hem, 1985, p. 135).	None.	Used in small amounts in lead and tin alloys.
Tin (Sn)	Derived mainly from the ore cassiterite.	--	None.	Used in manufacture of tinplate, food packaging, and solder. Ingested orally, tin or its inorganic compounds require relatively large doses to produce toxicity (Hammond and Bellies, 1980, p. 458).
Titanium (Ti)	Abundant in crustal rocks.	Generally present in amounts ranging up to a few tens of micrograms per liter (Hem, 1985, p. 137).	None.	Used in the aircraft and space industry.
Vanadium (V)	Present in fossil fuels and volcanic rocks (Hem, 1985, p. 135).	Ground and surface waters rarely have more than 10 µg/L (Hem, 1985, p. 138).	None.	A byproduct of petroleum refinement. Found in many foods.

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use ¹	Remarks
Zinc (Zn)	Dissolved in small amounts from rocks or soils containing minerals such as sphalerite, willemite, or zinc-rich magnetite (Fairbridge, 1972, p. 1293).	Less than 100 µg/L in potable water (Hem, 1985, p. 142).	Secondary standard: 5,000 µg/L (NBCHPS).	Uses: metallurgy, paint, rubber, and paper products. Zinc is considered essential element to plant and animal life, but water is not normally a significant dietary source. Human dwarfism and lack of sexual development have been related to zinc deficiency. Consumption of acidic food or beverages from galvanized containers has caused accidental poisoning, with symptoms such as fever, vomiting, stomach cramps, and diarrhea (Hammond and Beliles, 1980, p. 460-462).
Zirconium (Zr)	Found in mineral zircon.	--	None.	Used in the nuclear industry, metal alloys, catalysts, dyes, pigments on ceramics, abrasives, and cigarette-lighter flints (Hammond and Beliles, 1980, p. 462).

Radiochemical Constituents and Properties

Alpha, gross	Measure of total radioactivity due to alpha-particle emission, as inferred from measurements on a dry sample (EPA, 1976, p. 28404).	--	15 pCi/L, exclusive of radon and uranium, but including radium-226 (EPA, 1976, p. 28404).	Used for screening purposes as gross measure of compliance regarding maximum contaminant levels for radionuclides.
Beta, gross (as Cs-137)	See gross beta (as Sr-90/Y-90)			
Beta, gross (as Sr-90/Y-90)	Measure of total radioactivity as inferred from measurements on a dry sample (EPA, 1976, p. 28404).	--	Primary standard: 4 mrem per year (EPA, 1976, p. 28404).	See gross alpha .

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria for water use	Remarks
Radium-226 (²²⁶ Ra)	Dissolved in very small amounts from rocks and soils containing minerals such as uranite or carnotite in which uranium-238 has been replaced by radium-226 through natural radioactive decay. Radium-226 (half-life: 1,620 years) is lost from solution by continued radioactive decay to daughter-product, radon-222 gas (Hem, 1985, p. 148-149).	Recent EPA survey of 59,812 public water-supply systems nationwide resulted in a range for radium-226 from less than 1 pCi/L to more than 40 pCi/L. Approximately 1 percent (less than 500 supplies) exceeded 5 pCi/L (Cothorn and Lappenbusch, 1984, p. 503).	Primary standard, radium-226 plus radium-228 combined: 5 pCi/L (NBCHPS).	Human health effects have been investigated extensively concerning individuals involved in luminous-dial industry (radium-dial painters) and individuals who received radium as therapeutic nostrum during early 1900's. Because radium is metabolic analog of calcium, it is deposited in skeleton, where it serves as source of alpha radiation to bone and contiguous tissue (Hobbs and McClellan, 1980, p. 529).
Tritium (³ H)	Produced naturally in outer atmosphere and by humans in nuclear reactions (Hem, 1985, p. 150).	20,000 pCi/L, which is average annual concentration assumed to produce a total-body or organ dose of 4 mrem per year (EPA, 1976, p. 28404).	None.	Tritium, incorporated into water molecules, is readily absorbed into bloodstream from gastrointestinal tract, skin, and lungs, and is distributed as body water (Hobbs and McClellan, 1980, p. 522).
Uranium (U)	Dissolved in small amounts from rocks and soils containing minerals such as uranite or carnotite (pitchblende) (Fairbridge, 1972, p. 1216). Uranium-238 is predominant isotope of natural uranium and is starting point in radioactive-decay series that includes radium-226 and radon-222 and ends with stable lead-206 isotope (Hem, 1985, p. 148).	Generally less than 10 µg/L in most natural water (Hem, 1985, p. 148).	No enforceable standard. Concentration greater than or equal to 0.5 mg/L constitutes hazard in marine environment (NAS-NAE, 1973, p. 257).	Natural uranium (predominantly uranium-238 plus small amounts of uranium-235 and uranium-234) commonly is not a drinking-water health concern due to its low solubility. Soluble forms are reported to exhibit toxicity to kidneys through chemical action rather than radiation (Hobbs and McClellan, 1980, p. 521).

TABLE 1.--Background information on constituents and properties of water--Continued

Constituent or property	Source or cause of occurrence	Normal range of values in natural waters	Standards or criteria ¹ for water use ¹	Remarks
<i>Organic Constituents</i>				
Dissolved organic carbon (DOC)	Dissolved in moderate amounts from land-surface organic matter and from fossilized organic matter, kerogen (Thurman, 1985, p. 14-15)	From 0.2 to 15 mg/L; commonly less than 2 mg/L (Thurman, 1985, p. 8-9).	No enforceable standard.	Normal concentrations of dissolved organic carbon play significant role in aqueous geochemistry and can facilitate the movement of charged molecules and ions through an aquifer. High concentrations may indicate contamination from landfill leachate.
MBAS (methylene blue active substances)	Detergents.	Generally less than 0.1 mg/L (NAS-NAE, 1973, p. 190).	0.5 mg/L (NAS-NAE, 1973, p. 67).	Can be component of sewage and septic-tank effluent.
Methane	Natural gas; is product of anaerobic bacterial processes.	Odor threshold is 200 mg/L (Weiss, 1986, p. 665).	None.	Colorless gas. High concentrations may cause asphyxiation (Weiss, 1986, p. 665).
Ethane	Natural gas.	Odor threshold is about 900 mg/L (Weiss, 1986, p. 459).	None.	Same as for methane.

¹ Primary drinking-water standards specify maximum contaminant levels that are health related and federally mandated; secondary drinking-water standards are based on esthetic qualities and are enforceable by the State of Nevada (Jeffrey A. Fontaine, Nevada Bureau of Consumer Health Protection Services, oral communication, 1989). Criteria are recommended limits for specific water uses, based on current scientific knowledge. Some standards and criteria for trace elements and organic compounds that are expressed in milligrams per liter in the cited references are herein converted to micrograms per liter to maintain consistency with units of measure used in the accompanying water-quality data tabulations.

TABLE 2.--Sites where primary drinking-water standards
for selected constituents were exceeded

[Locations are shown in figures 3-5]

Map number (plate 1, table 6)	Fluoride	Nitrate (as NO ₃)	Arsenic	Barium	Cadmium	Lead	Mercury
2			X				
6	X						
7	X						
9	X						
10	X					X	
12	X		X				
13	X						
14	X						
15	X						
16	X					X	
19	X						
22			X				
29		X					
30	X						
38	X						
50	X						
56	X					X	
57	X						X
77	X						
80	X						
81	X						
83	X						
85	X						
87	X						
88	X						
90	X						
91	X						
92	X						
93	X						
96	X						
97	X						
99	X						
101	X						
102	X						
104	X						
108	X						
109	X					X	
110	X						
116	X						
117	X		X			X	
124	X						
126	X						
127	X						
130	X						
131	X				X	X	
132	X					X	
133	X				X	X	
134	X						
135	X						
142	X						
151			X				
153	X					X	
157	X						
168	X						
169	X						
172	X						
176	X						
181	X						
192	X						
194				X			
215	X						
230	X				X		
231					X	X	
240			X				
245	X						
247	X						
248	X						
252	X						

TABLE 2.--Sites where primary drinking-water standards
for selected constituents were exceeded--Continued

Map number (plate 1, table 6)	Fluoride	Nitrate (as NO ₃)	Arsenic	Barium	Cadmium	Lead	Mercury
253	X						
255	X						
256	X						
257	X						
258				X			
260	X						
262	X						
264						X	
267	X		X				
269	X						
270	X						
271	X						
272	X						
273	X						
274	X						
275	X						
276	X						
277	X						
278	X						
280	X					X	X
281	X					X	
282	X						
283	X						
293	X						
298					X	X	
307						X	
308						X	
311	X						
313					X	X	
318	X						
320	X						
327	X						
338	X						
345	X				X		
350	X						
352	X						
363						X	
366	X						
369	X				X	X	
370	X		X				
371	X		X				
372	X		X				X
377	X						
380	X						
381	X				X	X	
382	X				X	X	
395	X						
402					X	X	
434	X						
448	X						
457	X						
496		X					
506	X						
507	X						
518	X		X				
519	X		X				
522						X	
525	X						
526	X						

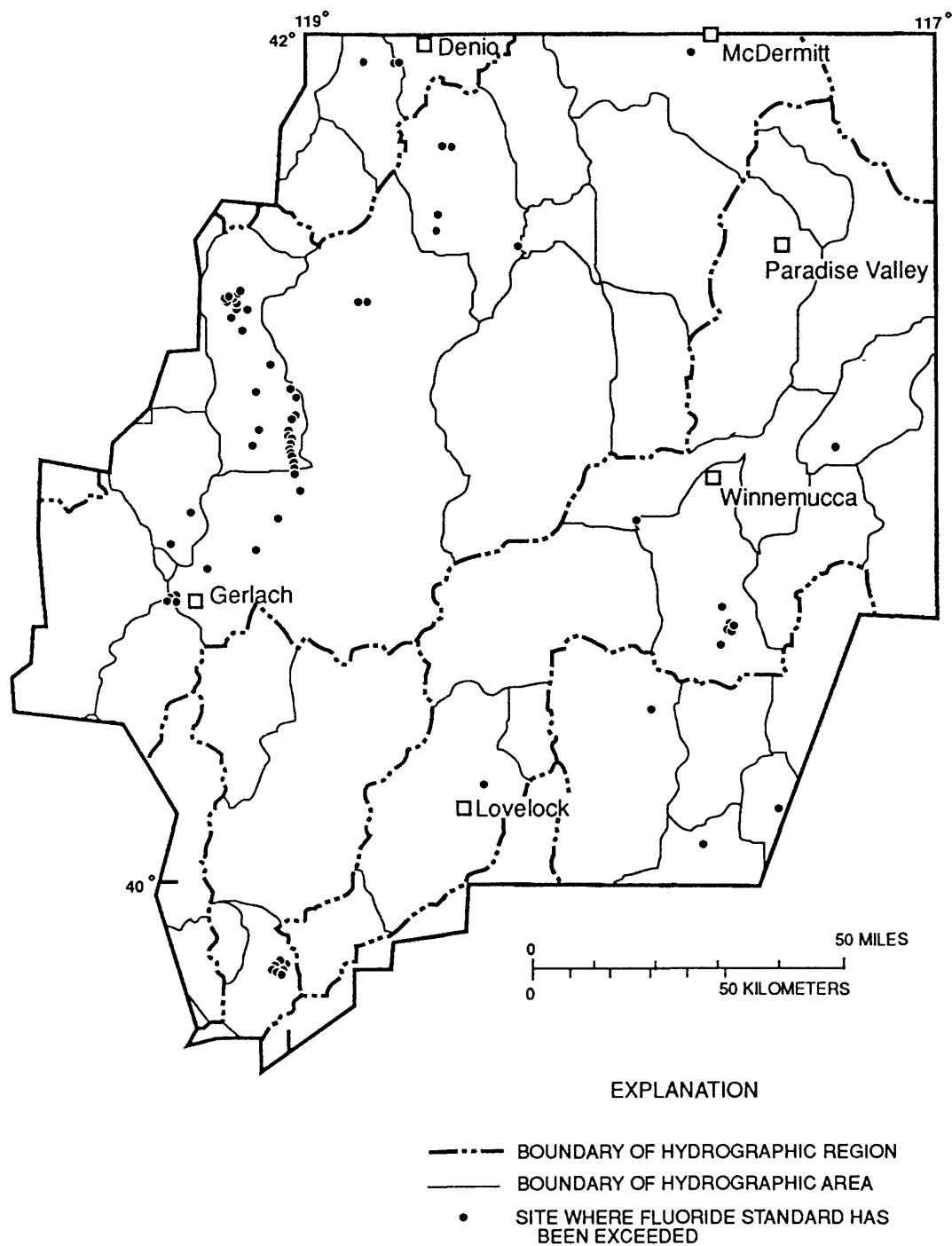


FIGURE 3.--Sites where primary drinking-water standard for fluoride (4.0 mg/L) has been exceeded. Total sites, 110.

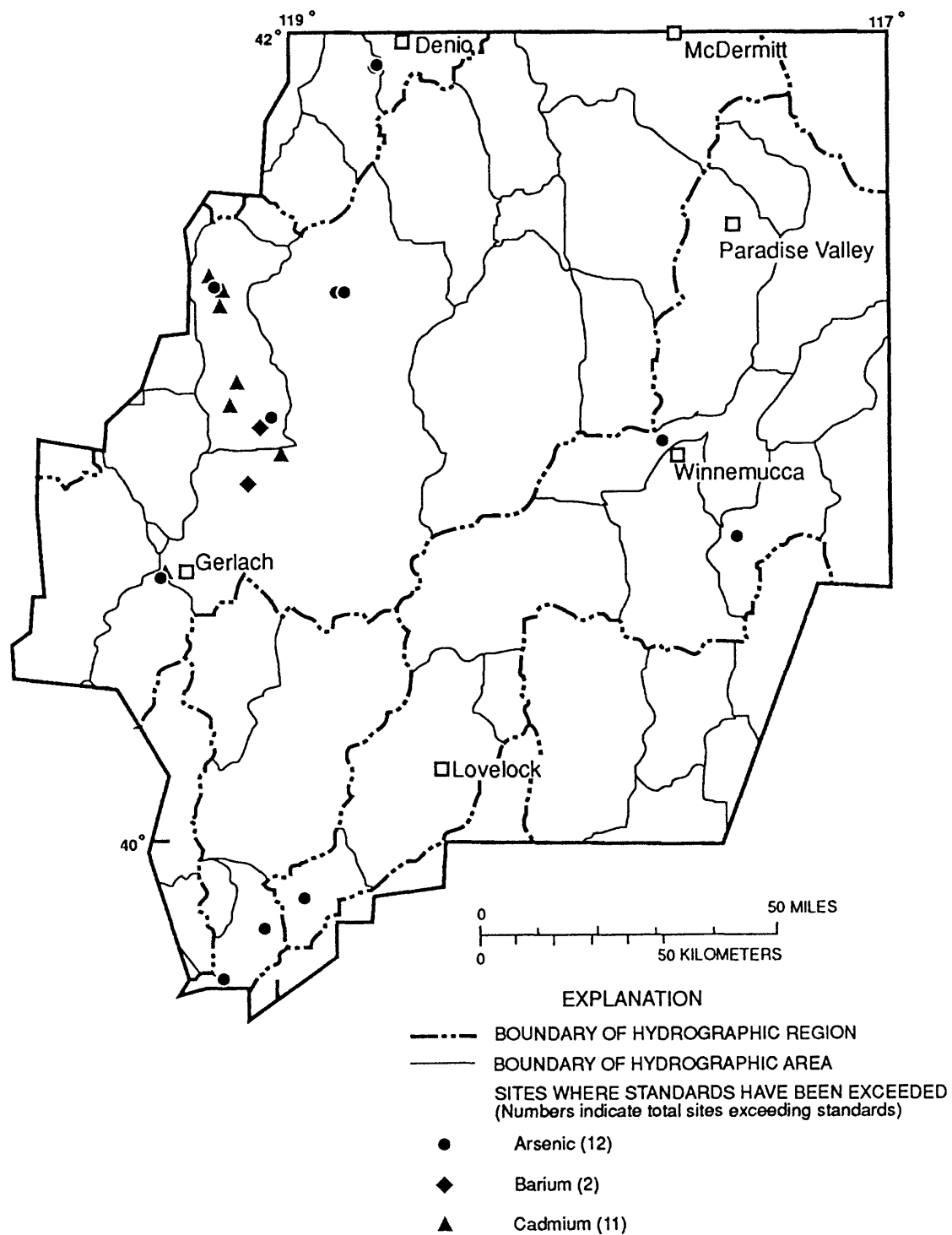


FIGURE 4.--Sites where primary drinking-water standards for arsenic (50 $\mu\text{g/L}$), barium (1,000 $\mu\text{g/L}$), and cadmium (10 $\mu\text{g/L}$) have been exceeded.

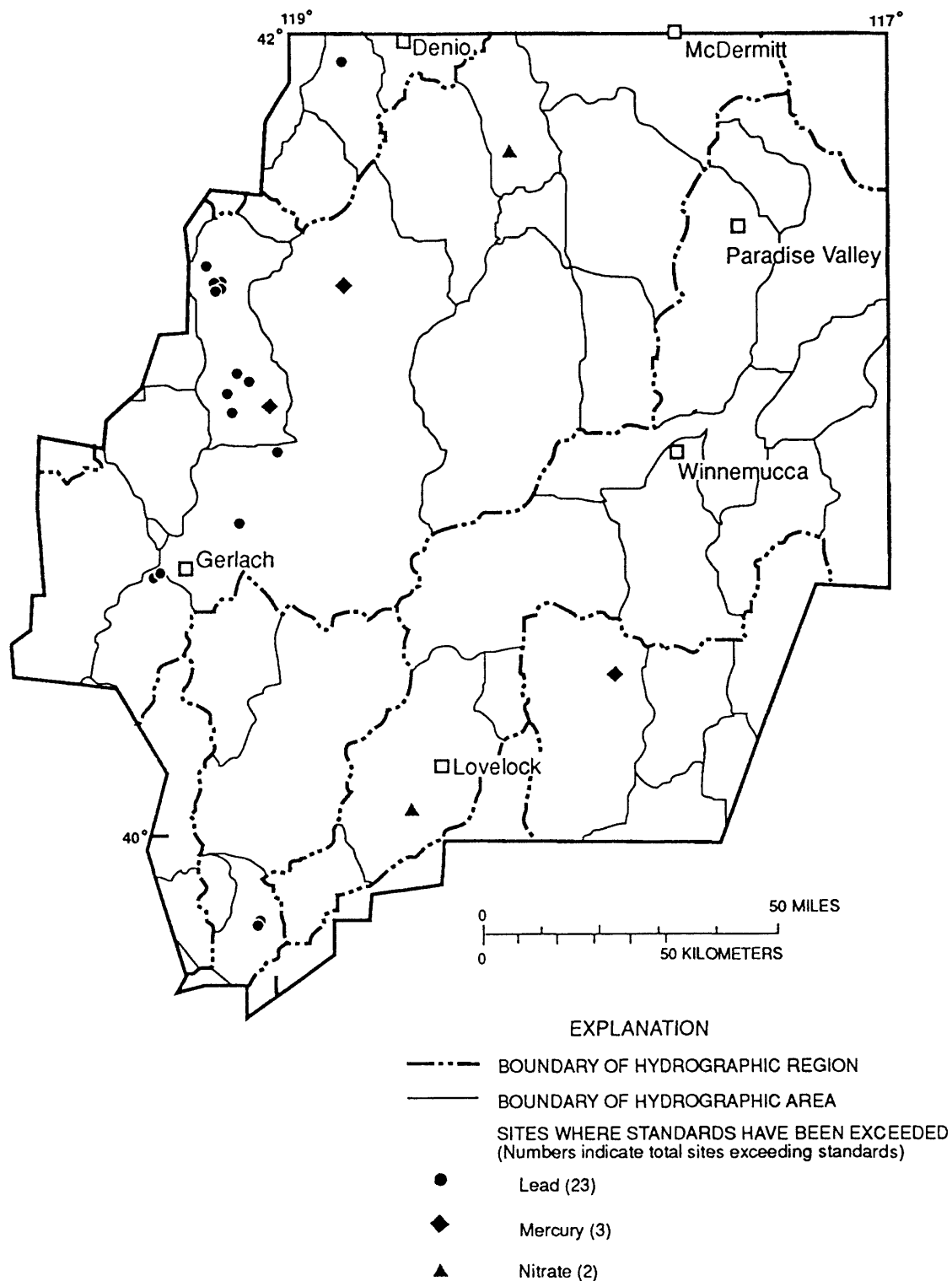


FIGURE 5.--Sites where primary drinking-water standards have been exceeded for lead (50 $\mu\text{g/L}$), mercury (2 $\mu\text{g/L}$), and nitrate (44 mg/L as NO_3).

TABLE 3.--Recommended criteria for dissolved constituents and properties of water used for agriculture

[From National Academy of Sciences and National Academy of Engineering, (1973, p. 298-366) unless otherwise noted. Abbreviations: Type of use.--I, irrigation; L, livestock. Units of measure.-- μ S/cm, microsiemens per centimeter at 25 °Celsius; mg/L, milligrams per liter. Symbols: <, less than; >, greater than; \leq , less than or equal to.]

Constituent	Use	Criteria for use															
pH	L	No limit, but waters with pH less than 4.5 can affect the toxicity of other constituents.															
	I	4.5-9.0 pH units with care taken to look at possible harmful secondary effects.															
Dissolved solids	L	Upper limit 5,000 mg/L stated by some investigators; for best growth of animals should be considerably below the upper limit (Hem, 1985, p. 213).															
	I	< 500 mg/L, no detrimental effects; 500-1,000 mg/L, can have detrimental effects to sensitive crops; 1,000-2,000 mg/L, can have detrimental effects on many crops; 2,000-5,000 mg/L, water can be used for tolerant crops on permeable soils with careful management practices.															
Sodium-adsorption ratio (SAR) and sodium hazard	L	No recommendation.															
	I	Four categories of sodium hazard (low, medium, high, and very high) are defined by decreasing SAR values with increasing specific-conductance values. Ranges of SAR in each hazard category, for specific conductances of 100 and 5,000 μ S/cm are:															
<table> <tr> <th>Sodium hazard</th><th>SAR range for 100 μS/cm</th><th>SAR range for 5,000 μS/cm</th></tr> <tr> <td>Low</td><td>0-10</td><td>0-2.5</td></tr> <tr> <td>Medium</td><td>10-18</td><td>2.5-6.5</td></tr> <tr> <td>High</td><td>18-26</td><td>6.5-11</td></tr> <tr> <td>Very high</td><td>>26</td><td>>11</td></tr> </table>			Sodium hazard	SAR range for 100 μ S/cm	SAR range for 5,000 μ S/cm	Low	0-10	0-2.5	Medium	10-18	2.5-6.5	High	18-26	6.5-11	Very high	>26	>11
Sodium hazard	SAR range for 100 μ S/cm	SAR range for 5,000 μ S/cm															
Low	0-10	0-2.5															
Medium	10-18	2.5-6.5															
High	18-26	6.5-11															
Very high	>26	>11															
(U.S. Salinity Laboratory Staff, 1954, p. 80).																	
Sulfide	L	No recommendation (unpleasant taste and odor would prevent usage).															
	I	No recommendation.															
Fluoride	L	2.0 mg/L.															
	I	1.0 mg/L for continuous use on all soils; 15 mg/L for use on neutral and alkaline, fine-textured soils for 20 years.															
Nitrite as N	L	\leq 10 mg/L, to provide a margin of safety.															
	I	No recommendation.															
Nitrate as NO ₃	L	400 mg/L.															
	I	No recommendation.															
Aluminum	L	5.0 mg/L.															
	I	5.0 mg/L for continuous use on all soils; 20 mg/L for use on fine-textured, neutral to alkaline soils for 20 years.															
Arsenic	L	0.20 mg/L.															
	I	0.10 mg/L for continuous use on all soils; 2.0 mg/L for use on fine-textured, neutral to alkaline soils for up to 20 years.															
Beryllium	L	No recommendation.															
	I	0.10 mg/L for continuous use on all soils; 0.50 mg/L for use on neutral to alkaline, fine-textured soils for 20 years.															

TABLE 3.--Recommended criteria for dissolved constituents and properties of water used for agriculture--Continued

Constituent	Use	Criteria for use
Boron	L	5.0 mg/L.
	I	0.75 mg/L for long-term irrigation of sensitive crops (U.S. Environmental Protection Agency, 1986).
Cadmium	L	0.05 mg/L.
	I	0.01 mg/L for continuous use on all soils; 0.05 mg/L for use on neutral and alkaline, fine-textured soils for 20 years.
Chromium	L	1.0 mg/L.
	I	0.10 mg/L for continuous use on all soils; 1.0 mg/L for use on on neutral and alkaline, fine-textured soils for 20 years.
Cobalt	L	1.0 mg/L.
	I	0.05 mg/L for continuous use on all soils; 5.0 mg/L for use on neutral and alkaline, fine-textured soils for 20 years.
Copper	L	0.50 mg/L.
	I	0.20 mg/L for continuous use on all soils; 5.0 mg/L for use on neutral and alkaline, fine-textured soils for 20 years.
Iron	L	No recommendation.
	I	5.0 mg/L for continuous use on all soils; 20 mg/L for use on neutral to alkaline soils for 20 years.
Lead	L	0.10 mg/L.
	I	5.0 mg/L for continuous use on all soils; 10 mg/L for use on neutral and alkaline, fine-textured soils for 20 years.
Lithium	L	No recommendation.
	I	2.5 mg/L for continuous use on all soils except for citrus, where 0.075 mg/L is recommended.
Manganese	L	No recommendation.
	I	0.20 mg/L for continuous use on all soils; 10 mg/L for use on neutral and alkaline, fine-textured soils for up to 20 years.
Mercury	L	0.01 mg/L.
	I	No recommendation.
Molybdenum	L	Upper limit has not been set.
	I	0.01 mg/L for continuous use on all soils; 0.05 mg/L for short-term use on soils that react with this element.
Nickel	L	No recommendation.
	I	0.20 mg/L for continuous use on all soils; 2.0 mg/L for use on neutral, fine-textured soils for up to 20 years.
Selenium	L	0.05 mg/L.
	I	0.02 mg/L for continuous use on all soils.
Vanadium	L	0.10 mg/L.
	I	0.10 mg/L for continuous use on all soils; 1.0 mg/L for use on neutral and alkaline, fine-textured soils for 20 years.
Zinc	L	25 mg/L.
	I	2.0 mg/L for continuous use on all soils; 10 mg/L for use on neutral and alkaline soils for 20 years; on fine-textured, calcareous and organic soils, the concentrations can exceed the limit by a factor of 2 or 3 with little toxicity for 20 years.

TABLE 4.--Relative tolerance of selected plants to boron
(modified from Eaton, 1935)

[In each group, the plants first named are considered
more sensitive, and the last named more tolerant]

Sensitive	Semitolerant	Tolerant
Lemon	Lima bean	Carrot
Grapefruit	Sweet potato	Lettuce
Avocado	Bell pepper	Cabbage
Orange	Pumpkin	Turnip
Thornless blackberry	Zinnia	Onion
Apricot	Oat	Broadbean
Peach	Milo	Alfalfa
Cherry	Corn	Garden beet
Apple	Wheat	Sugar beet
Pear	Barley	
Plum	Field pea	
American elm	Raddish	
Pecan	Sweet pea (flower)	
	Tomato	
	Pima cotton	
	Acala cotton	
	Potato	
	Sunflower	

Aquatic Life

Irrigated farm land can affect the habitat of aquatic life (plant and animal organisms) because runoff and subsurface drainage water from agricultural fields may have higher concentrations of dissolved constituents than the water initially applied to the fields. Irrigation runoff and subsurface drainage water sometimes flow directly into wildlife areas by way of drains (such as those in the Stillwater Wildlife Management Area) and affect the habitat of aquatic life.

Water from wells is seldom used for aquatic habitat, but many springs in the Winnemucca District support aquatic life. If ground water is used to supplement streamflow, aquatic life could also be affected. Physical and chemical changes in an aquatic habitat can alter the behavior of aquatic organisms either directly or through secondary organisms.

The USGS data base used as a source of water-quality data for this study contains no information on potentially toxic constituents such as pesticides, and has limited data for detergents and most dissolved gases. However, data for other constituents that affect aquatic life, such as alkalinity, pH, dissolved solids, and trace constituents, are included. Table 5 lists criteria for selected constituents and properties of water used for aquatic life.

Water temperature can drastically affect growth of fish and other aquatic life. However, water temperature is not included in table 5 because different species have varying tolerances. Information about how water temperature affects aquatic life is discussed by the U.S. Environmental Protection Agency (1986).

Recreational Use

Ground water generally is not used for recreation, except where springs provide inflow to streams and where geothermal springs are used for swimming; thus, the water quality of springs can be important.

Swimming in geothermal springs generally does not appreciably increase the deep body temperature in humans (National Academy of Sciences and National Academy of Engineering, 1973, p. 32). Whole-body immersion (swimming or bathing) in water about 40 °F or lower generally is more harmful than swimming in water about 100 °F. However, the harm to an individual varies with the temperature of the water, duration of exposure, and metabolic rate of the individual (National Academy of Sciences and National Academy of Engineering, p. 33).

The recommended range for pH of water used for immersion of the human body is from 6.5 to 8.3. The lacrimal fluid (tears) in the eye has a pH of about 7.4 and a relatively high buffering capacity (National Academy of Sciences and National Academy of Engineering, 1973, p. 33), thus the pH of water for swimming should range from about 6.5 to 8.3 to prevent eye irritation.

The recommended chemical characteristics of water used for whole-body immersion ensure that the water is nontoxic to the skin and mucous membranes (National Academy of Sciences and National Academy of Engineering, 1973, p. 30). In addition, water used for whole-body immersion should not contain chemicals that, if ingested in small quantities, would be toxic to humans.

TABLE 5.--Recommended criteria for aquatic life for selected constituents and properties of water used for aquatic habitat

[Abbreviations and symbols: mg/L, milligrams per liter; µg/L, micrograms per liter; EPA, U.S. Environmental Protection Agency (1986); NAS-NAE, National Academy of Sciences and National Academy of Engineering (1973, p. 130-193); <, less than; ≤, less than or equal to]

Constituent or characteristic	Criteria for use
Color	Increased color (in combination with turbidity) should not reduce the depth of the compensation point for photosynthetic activity by more than 10 percent from the seasonally established norm for aquatic life (EPA).
Hardness	Effects of hardness on freshwater fish and other aquatic life appears to be related to the ions causing the hardness (EPA).
pH	6.5 to 9.0 pH units is considered adequate for freshwater aquatic life. In addition, a water should not have a large fluctuation in daily or seasonal pH values (EPA).
Alkalinity	A minimum concentration has been set at 20 mg/L unless a lower concentration occurs naturally (EPA).
Ammonia	Ammonia (NH ₃), not the ammonium ion (NH ₄ ⁺), has been demonstrated to be the principal toxic form. For additional information see EPA.
Sulfide	0.002 mg/L to protect aquatic organisms within the general limits of pH and water temperature, for total sulfides (NAS-NAE).
Dissolved solids	An excess of dissolved solids may destroy habitat-forming plants. Lakes with 15,000 mg/L are considered unsuitable for most freshwater fishes (EPA).
Nitrite	≤5 mg/L should protect most warm-water fish; <0.06 mg/L should protect salmonoid fish (EPA).
Nitrate	Concentrations of nitrate that would exhibit toxic effects on warm- or cold-water fish could rarely occur in nature, thus restrictive criteria are not recommended (EPA).
Phosphorus	Total phosphorus criteria to control aquatic growth is not presented. Total phosphates as phosphorus should not exceed 0.05 mg/L in any stream where it enters a lake or reservoir, nor 0.025 mg/L within the lake or reservoir, to prevent development of biological nuisances and to control accelerated eutrophication (EPA).
Aluminum	Where ionic aluminum is suspected, careful examination of toxicity problems should be made (NAS-NAE).
Antimony	Acute toxicity to freshwater aquatic life occurs at 9.0 mg/L (EPA).
Arsenic	Varies between biological species and oxidation state because chemistry of arsenic in water is complex (EPA).
Barium	A restrictive criterion for aquatic life appears unwarranted (EPA).
Beryllium	Acute toxicity occurs at concentrations as low as 130 µg/L (EPA).
Boron	Naturally occurring concentrations should have no effect on aquatic life (EPA).

TABLE 5.--Recommended criteria for aquatic life for selected constituents and properties of water used for aquatic habitat--Continued

Constituent or characteristic	Criteria for use
Cadmium	0.03 mg/L where total hardness as calcium carbonate is greater than 100 mg/L; 0.004 mg/L where total hardness as calcium carbonate is less than 100 mg/L (NAS-NAE).
Chromium	Mixed aquatic populations should be protected where concentration of total chromium in water does not exceed 0.05 mg/L at any one time or place (NAS-NAE).
Copper	21 and 34 μ g/L (EPA). Criterion calculated according to formula published by EPA, which incorporates an ambient hardness value. These values are based on a hardness value of 200 mg/L as calcium carbonate. Freshwater aquatic organisms should not be adversely affected if the 4-day average concentration (first value) is not exceeded more than once every 3 years on the average and if the 1-hour average concentration (second value) is not exceeded more than once every 3 years on the average.
Iron	1.0 mg/L (EPA).
Lead	0.03 mg/L (NAS-NAE).
Manganese	Not considered to be a problem in freshwater (EPA).
Mercury	0.0002 mg/L in unfiltered water (NAS-NAE).
Nickel	283 and 2,550 μ g/L (EPA). Criterion calculated according to formula published by EPA, which incorporates an ambient hardness value. These values are based on a hardness value of 200 mg/L as calcium carbonate. Freshwater aquatic organisms should not be adversely affected if the 4-day average concentration (first value) is not exceeded more than once every 3 years on the average and if the 1-hour average concentration (second value) is not exceeded more than once every 3 years on the average.
Selenium	Concentration of total recoverable selenite should not exceed 260 μ g/L at any time. Acute toxicity to freshwater aquatic life occurs for inorganic selenate at concentrations of 760 μ g/L and would occur at lower concentrations for more sensitive species (EPA).
Silver	13 μ g/L (EPA). Criterion calculated according to formula published by EPA, which incorporates an ambient hardness value. These values are based on a hardness value of 200 mg/L as calcium carbonate.
Zinc	190 and 210 μ g/L (EPA). Criterion calculated according to formula published by EPA, which incorporates an ambient hardness value. These values are based on a hardness value of 200 mg/L as calcium carbonate. Freshwater aquatic organisms should not be adversely affected if the 4-day average concentration (first value) is not exceeded more than once every 3 years on the average and if the 1-hour average concentration (second value) is not exceeded more than once every 3 years on the average.

WATER-QUALITY DATA

This report presents data compiled from published reports, limited NBCHPS analyses, and the USGS water-quality data base. Principal constituents and properties, and the more commonly analyzed trace constituents, are listed in table 6, part A. Part B includes additional data for ions, other trace constituents, gases, radionuclides, and organics. Concentrations of trace constituents in Part B are expressed in micrograms per liter. To convert micrograms per liter to milligrams per liter, multiply by 0.001. The 530 wells and springs for which data on ground-water quality are available are shown on plate 1.

A brief statistical summary of constituents that had more than five determinations is presented in table 7. Values with remarks ("less than" values) were used in the calculations; thus, for some constituents the statistics may be skewed higher than the true population statistics.

Stable isotope data were available for some sites (114). The stable isotopes listed in table 8 are carbon-13 relative to carbon-12, deuterium (hydrogen-2) relative to hydrogen-1, and oxygen-18 relative to oxygen-16. Each ratio is determined for a sampled water, and is then compared to a standard. The standard for oxygen-18 and deuterium is the international reference standard known as Vienna Standard Mean Ocean Water (V-SMOW) and for carbon-13 is the Pee Dee Belemnite (PDB). By convention, the computed results are expressed as "delta carbon-13," "delta deuterium," and "delta oxygen-18"; the units of measure are parts per thousand (abbreviated "permil"). A negative delta value indicates that the sampled water is isotopically lighter than the standard (that is, the sampled water has a smaller proportion of oxygen-18, deuterium, or carbon-13, relative to oxygen-16, hydrogen-1, or carbon-12 than the standard).

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TABLE 6.--Water-quality data and other information for wells and springs

PART A: Determinations from chemical analyses

[Abbreviations: AAS DIRECT, atomic absorption spectrometry by direct aspiration of the sample; BL, below reporting limit for analytical procedure used; CaCO₃, calcium carbonate; Cs-137, cesium 137; deg C, degrees Celsius; E, estimated; FET-FLD, fixed-endpoint titration, field; FET-LAB, fixed-endpoint titration, laboratory; IT-FLD, incremental titration, field; IT-LAB, incremental titration, laboratory; JTU, Jackson turbidity units; mg/L, milligrams per liter; NBLR, Nevada Bureau of Laboratories and Research; NBCHPS, Nevada Bureau of Consumer Health Protection Services; noncarb, noncarbonate; pCi/L, picocuries per liter; Pl, private laboratory; Sr/Y-90, strontium-90/yttrium-90; tot fld, total, measured in field; µg/L, micrograms per liter; U-NAT, uranium, natural; UNCA, University of Nevada, College of Agriculture; µS/cm, microsiemens per centimeter at 25 degrees Celsius; USGS, U.S. Geological Survey; wh wat, whole-water (unfiltered) sample; *, additional determinations for samples from that site are listed in part B of this table; <, less than; --, no data available.]

Map number (plate 1), ¹	U.S. Geological Survey site identification ²	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (platini- um cobalt units)	Tur- bidity (JTU)
2	393949119084601*	11-18-87	USGS	12.00	24,000	--	7.50	--	14.0	--	--
3	394144119144901	02-20-70	USGS	344.00	--	3,500	--	7.90	--	--	--
4	394426118594401*	02-16-81	USGS	--	12,000	--	8.25	--	20.0	--	--
5	394556119023001*	03-16-81	USGS	--	5,600	--	8.33	--	15.5	--	--
6	394621119011301*	03-17-81	USGS	--	3,800	--	7.92	--	110.5	--	--
7	394627119012301*	03-10-81	USGS	--	3,600	--	9.20	--	36.0	--	--
8	394640119134701	02-18-70	USGS	315.00	--	830	--	8.10	19.5	--	--
9	394656119011301*	03-12-81	USGS	--	3,700	--	7.71	--	80.0	--	--
10	394708119012001*	03-11-81	USGS	--	3,600	--	8.20	--	94.5	--	--
11	394718119012401*	02-20-81	USGS	--	4,000	--	8.01	--	58.0	--	--
12	394720119004901*	06-02-60	USGS	--	--	4,090	--	7.30	--	--	--
13	394722119001501*	09-08-60	--	--	6,240	--	7.30	--	--	--	--
14	394726119001601*	07-06-79	--	--	--	--	6.78	--	24.0	--	--
15	394733119020701*	03-14-81	USGS	--	3,600	--	9.79	--	20.5	--	--
16	394738119004801*	04-02-81	USGS	--	3,600	--	8.51	--	116.5	--	--
17	394741119173101	02-18-70	USGS	200.00	--	970	--	8.60	19.5	--	--
18	394820119001101*	09-08-60	--	--	7,290	--	4.70	--	--	--	--
19	394833119011901*	03-19-81	USGS	--	3,400	--	10.20	--	26.5	--	--
20	394905119040001	11-13-69	USGS	34.00	--	1,800	--	8.00	13.0	--	--
21	394935118513601	10-07-70	USGS	44.00	--	20,500	--	7.60	14.5	--	--
22	395200118532401	09-01-70	NBLR	390.00	--	--	--	7.60	--	40	7
		09-21-70	NBLR	--	--	--	--	7.30	--	4	0
		10-14-70	NBLR	--	--	--	--	7.20	--	8	2
23	395323119210301	02-11-70	USGS	50.00	--	1,800	--	8.50	15.0	--	--
24	400152119153601	07-24-41	NBCHPS	--	--	--	--	--	--	--	--
25	400205117361101	01-01-74	--	--	850	--	8.10	--	40.0	--	--
27	400257119183101	06-24-42	NBCHPS	101.00	--	25,400	--	--	--	--	--
28	400315118383501	04-17-36	NBCHPS	210.00	--	--	--	--	--	--	--
29	400428118312301	10-08-64	USGS	48.00	--	2,820	--	8.00	14.0	--	--
30	400517117432801*	02-20-74	--	--	1,410	--	--	7.29	70.0	--	--
31	400524117432401	01-01-74	--	--	1,410	--	8.10	--	73.0	--	--
32	400531118085801	10-17-34	USGS	400.00	--	--	--	--	--	--	--
33	400544118354301	10-08-64	USGS	34.00	--	5,150	--	8.80	18.0	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, (plate 1), ¹	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, tot fld, (mg/L as CaCO ₃)	Calcium, total reco- verable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total reco- verable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, dis- solved (mg/L as Na)	Sodium ad- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, dis- solved (mg/L as K)
2	11-18-87	1,400	--	--	260	--	190	5,100	60	--	230
3	02-20-70	360	--	--	62	--	49	--	--	E530	--
4	02-16-81	370	--	--	130	--	9.8	2,100	50	--	160
5	03-16-81	170	--	--	56	--	6.9	1,100	39	--	39
6	03-17-81	120	--	--	46	--	1.4	670	28	--	39
7	03-10-81	110	--	--	40	--	2.2	690	30	--	49
8	02-18-70	130	--	--	33	--	12	--	--	E110	--
9	03-12-81	130	--	--	48	--	2.3	700	28	--	30
10	03-11-81	130	--	--	47	--	2.2	690	28	--	47
11	02-20-81	150	--	--	56	--	2.6	780	29	--	42
12	06-02-60	140	--	--	53	--	1.2	780	30	--	65
13	09-08-60	300	--	--	120	--	1.5	1,200	31	--	91
14	07-06-79	120	--	--	45	--	3.2	850	37	--	36
15	03-14-81	94	--	--	34	--	1.9	690	33	--	40
16	04-02-81	52	--	--	20	--	.22	720	46	--	53
17	02-18-70	32	--	--	8.0	--	3.0	--	--	E190	--
18	09-08-60	1,100	--	--	410	--	28	1,400	19	--	110
19	03-19-81	65	--	--	25	--	.37	660	38	--	31
20	11-13-69	58	--	--	15	--	5.0	--	--	--	--
21	10-07-70	410	--	--	140	--	15	--	--	4,200	--
22	09-01-70	240	--	63	--	19	--	--	--	320	--
	09-21-70	250	--	71	--	18	--	--	--	280	--
	10-14-70	250	--	72	--	17	--	--	--	270	--
23	02-11-70	71	--	--	17	--	7.0	--	--	E340	--
24	07-24-41	2,000	--	--	500	--	180	--	--	E200	--
25	01-01-74	140	BL	--	31	--	15	140	5	--	12
27	06-24-42	200	--	--	54	--	15	--	--	E6,400	--
28	04-17-36	420	--	--	--	--	BL	--	--	1,300	--
29	10-08-64	460	210	--	120	--	37	370	8	--	39
30	02-20-74	360	--	--	110	--	20	170	4	--	26
31	01-01-74	370	110	--	110	--	22	160	4	--	26
32	10-17-34	1,600	1,600	--	490	--	100	--	--	3,400	--
33	10-08-64	32	BL	--	5.1	--	4.7	--	--	1,100	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Bicar- bonate, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Bicar- bonate, FET-LAB (mg/L as HCO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, FET-LAB (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab total FET-FLD (mg/L as CaCO ₃)
2	11-18-87	230	--	--	--	--	--	186	193
3	02-20-70	--	108	--	--	BL	--	--	--
4	02-16-81	--	--	190	--	--	2.0	--	--
5	03-16-81	--	--	62	--	--	1.0	--	--
6	03-17-81	--	--	86	--	--	--	--	--
7	03-10-81	--	--	29	--	--	2.0	--	--
8	02-18-70	--	86	--	--	BL	--	--	--
9	03-12-81	--	--	120	--	--	--	--	--
10	03-11-81	--	--	77	--	--	1.0	--	--
11	02-20-81	--	--	170	--	--	1.0	--	--
12	06-02-60	--	162	--	--	BL	--	--	--
13	09-08-60	--	--	269	--	--	BL	--	--
14	07-06-79	--	--	111	--	--	--	--	--
15	03-14-81	--	--	36	--	--	11	--	--
16	04-02-81	--	--	66	--	--	1.0	--	--
17	02-18-70	--	222	--	--	12	--	--	--
18	09-08-60	--	--	2.0	--	--	BL	--	--
19	03-19-81	--	--	29	--	--	20	--	--
20	11-13-69	--	226	--	--	BL	--	--	--
21	10-07-70	--	207	--	--	BL	--	--	--
22	09-01-70	--	237	--	--	BL	--	--	194
	09-21-70	--	149	--	--	BL	--	--	122
23	10-14-70	--	154	--	--	BL	--	--	126
24	02-11-70	--	440	--	--	22	--	--	--
24	07-24-41	--	203	--	--	BL	--	--	--
25	01-01-74	460	--	--	--	--	--	374	--
27	06-24-42	--	2,050	--	--	154	--	--	--
28	04-17-36	--	608	--	--	151	--	--	--
29	10-08-64	--	302	--	--	BL	--	--	--
30	02-20-74	--	--	--	320	--	BL	--	--
31	01-01-74	310	--	--	--	--	--	256	--
32	10-17-34	--	49	--	--	--	--	--	--
33	10-08-64	--	636	--	--	81	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, ¹ (plate 1)	Date	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
2	11-18-87	--	2,000	8,500	--	0.30	--	--	35	16,500	--
3	02-20-70	--	100	940	--	--	--	--	--	--	--
4	02-16-81	--	7.0	4,200	--	3.1	8.0	--	17	--	--
5	03-16-81	--	65	1,600	--	3.0	2.8	--	12	--	--
6	03-17-81	--	150	980	--	5.2	1.6	--	120	--	--
7	03-10-81	--	150	940	--	5.2	1.7	--	.80	--	--
8	02-18-70	--	71	150	--	--	--	--	--	--	--
9	03-12-81	--	150	910	--	5.0	1.5	--	99	--	--
10	03-11-81	--	160	910	--	6.6	1.4	--	32	--	--
11	02-20-81	--	67	1,100	--	2.9	1.6	--	110	--	--
12	06-02-60	--	380	980	--	7.6	2.1	BL	240	2,330	--
13	09-08-60	--	690	1,500	--	6.6	--	--	170	--	--
14	07-06-79	--	320	1,100	--	5.8	--	--	160	--	--
15	03-14-81	--	77	990	--	4.8	2.0	--	1.3	--	--
16	04-02-81	--	170	930	--	6.2	1.6	--	170	--	--
17	02-18-70	--	95	100	--	--	--	--	--	--	--
18	09-08-60	--	2,800	1,100	--	2.4	--	--	150	--	--
19	03-19-81	--	89	940	--	4.4	1.7	--	1.2	--	--
20	11-13-69	--	--	330	--	--	--	--	--	--	--
21	10-07-70	--	48	6,600	--	--	--	--	--	--	--
22	09-01-70	130	--	430	--	--	--	--	--	--	1,160
	09-21-70	170	--	390	0.1	--	--	--	--	--	1,040
	10-14-70	160	--	380	.2	--	--	--	--	--	1,010
23	02-11-70	--	160	180	--	--	--	--	--	--	--
24	07-24-41	--	1,400	560	--	--	--	--	--	--	2,920
25	01-01-74	--	63	29	--	--	--	--	42	--	--
27	06-24-42	--	1,700	7,300	--	--	--	--	--	3,370	17,000
28	04-17-36	--	260	1,300	--	--	--	--	58	--	--
29	10-08-64	--	350	450	--	2.0	--	--	52	--	--
30	02-20-74	--	350	77	--	5.5	--	--	64	--	--
31	01-01-74	--	370	75	--	--	--	--	65	--	--
32	10-17-34	--	2,400	4,600	--	--	--	--	--	12,000	--
33	10-08-64	--	280	1,000	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued										
Map number (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, nitrite, dis- solved (mg/L as N)	Nitro- gen, NO ₂ + NO ₃ , dis- solved (mg/L as N)	Nitro- gen, ammonia, dis- solved (mg/L as N)	Phos- phorus, dis- solved (mg/L as PO ₄)	Arsenic, total (µg/L as As)	Arsenic, dis- solved (µg/L as As)
2	11-18-87	16,400	--	--	<0.010	<0.100	0.420	--	--	65
3	02-20-70	--	--	--	--	--	--	--	--	--
4	02-16-81	6,750	--	0.30	--	--	--	--	--	--
5	03-16-81	2,920	--	--	--	--	--	--	--	--
6	03-17-81	2,060	--	--	--	--	--	--	--	--
7	03-10-81	1,900	--	--	--	--	--	--	--	--
8	02-18-70	--	--	2.5	--	--	--	--	--	--
9	03-12-81	2,010	--	--	--	--	--	--	--	--
10	03-11-81	1,940	--	--	--	--	--	--	--	--
11	02-20-81	2,260	--	--	--	--	--	--	--	--
12	06-02-60	2,590	0.090	--	BL	--	BL	0.22	--	150
13	09-08-60	3,900	BL	BL	--	--	--	.72	--	--
14	07-06-79	2,620	--	--	--	--	.430	--	--	--
15	03-14-81	1,890	--	--	--	--	--	--	--	--
16	04-02-81	2,110	--	--	--	--	--	--	--	--
17	02-18-70	--	--	--	--	--	--	--	--	--
18	09-08-60	5,920	.070	--	--	--	--	2.0	--	--
19	03-19-81	1,810	--	.31	--	--	--	--	--	--
20	11-13-69	--	--	--	--	--	--	--	--	--
21	10-07-70	--	--	--	--	--	--	--	--	--
22	09-01-70	--	--	--	--	--	--	--	79	--
	09-21-70	--	0.30	--	--	--	--	--	87	--
	10-14-70	--	.10	--	--	--	--	--	110	--
23	02-11-70	--	--	--	--	--	--	--	--	--
24	07-24-41	--	--	--	--	--	--	--	--	--
25	01-01-74	559	--	--	--	--	--	--	--	--
27	06-24-42	--	--	--	--	--	--	--	--	--
28	04-17-36	--	--	--	--	--	--	--	--	--
29	10-08-64	1,580	--	63	--	--	--	--	--	--
30	02-20-74	987	.050	.22	--	--	.780	.10	--	<0
31	01-01-74	986	--	--	--	--	--	--	--	--
32	10-17-34	--	--	--	--	--	--	--	--	--
33	10-08-64	--	--	--	--	--	--	--	--	--

TABLE 6.---Water-quality data and other information for wells and springs---Continued

PART A: Determinations from chemical analyses---Continued											
Map number (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Iron (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)		
2	11-18-87	1,600	30	--	--	--	1,000	0.2	20		
3	02-20-70	--	--	--	--	--	--	--	--		
4	02-16-81	16,000	--	--	60	--	590	.1	--		
5	03-16-81	4,400	<30	--	<30	--	830	.1	1,500		
6	03-17-81	4,200	<20	--	33	--	110	.2	310		
7	03-10-81	2,800	<20	--	69	--	9	.2	160		
8	02-18-70	--	--	--	--	--	--	--	--		
9	03-12-81	4,100	<20	--	140	--	61	BL	160		
10	03-11-81	3,400	<20	--	66	--	150	.2	800		
11	02-20-81	4,300	<20	--	37	--	71	.2	740		
12	06-02-60	6,800	BL	80	--	--	BL	--	BL		
13	09-08-60	8,200	--	--	BL	--	BL	--	--		
14	07-06-79	5,200	--	--	250	--	--	<.1	--		
15	03-14-81	3,600	<20	--	81	--	3	.2	57		
16	04-02-81	4,400	<20	--	100	--	18	BL	100		
17	02-18-70	--	--	--	--	--	--	--	--		
18	09-08-60	7	--	--	--	--	--	--	--		
19	03-19-81	3,700	<20	--	<20	--	<2	.1	71		
20	11-13-69	--	--	--	--	--	--	--	--		
21	10-07-70	--	--	--	--	--	--	--	--		
22	09-01-70	--	--	--	--	660	--	--	--		
	09-21-70	--	--	--	--	200	--	--	--		
	10-14-70	--	--	--	--	250	--	--	--		
23	02-11-70	--	--	--	--	--	--	--	--		
24	07-24-41	--	--	--	--	--	--	--	--		
25	01-01-74	--	--	--	--	--	--	--	--		
27	06-24-42	--	--	--	--	--	--	--	--		
28	04-17-36	--	--	--	--	--	--	--	--		
29	10-08-64	1,400	--	250	--	--	--	--	--		
30	02-20-74	--	<20	--	300	--	42	<.5	85		
31	01-01-74	--	--	--	--	--	--	--	--		
32	10-17-34	--	--	--	--	--	--	--	--		
33	10-08-64	--	--	--	--	--	--	--	--		

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological Survey site identification	Date	Agency ana- lyzing sample (abbrevi- ated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plat- num cobalt units)	Tur- bid- ity (JTU)
34	400600118494001	11-18-69	USGS	26.00	--	510	--	8.20	18.0	--	--
36	400941118273001	10-08-64	USGS	--	--	3,020	--	8.10	16.0	--	--
37	401040117295501*	06-03-80	--	--	--	--	6.80	--	43.0	--	--
38	401041117292401*	01-01-74	--	--	1,040	--	7.10	--	29.0	--	--
39	401042117294401*	06-03-80	--	--	--	--	6.80	--	56.0	--	--
40	401042118302501	10-06-64	USGS	200.00	--	6,110	--	7.70	15.5	--	--
41	401104117300101*	06-03-80	--	--	--	--	5.50	--	20.0	--	--
42	401121119265501*	11-06-51	USGS	100.00	--	4,090	--	7.30	--	--	--
43	401125118134801	10-08-70	USGS	120.00	--	1,450	--	7.90	--	--	--
44	401304119115901	09-03-69	USGS	--	--	1,100	--	7.90	28.0	--	--
45	401436117364901	07-23-63	USGS	107.00	--	1,290	--	8.00	21.0	--	--
46	401441117402501	04-23-81	USGS	--	845	--	--	--	21.5	--	--
47	401442118115201	10-08-70	USGS	--	--	692	--	7.60	17.0	--	--
48	401444118225701	07-25-79	NBLR	200.00	--	--	--	7.70	--	7	6
49	401808118522401	11-19-69	USGS	--	--	510	--	7.90	--	--	--
50	401954118165001	10-08-64	USGS	80.00	--	10,200	--	7.90	65.5	--	--
51	401957118170601	10-06-64	USGS	432.00	--	490	--	8.10	18.0	--	--
52	402056119250501	09-14-66	USGS	--	--	13,300	--	7.50	14.0	--	--
53	402127118162001	10-06-64	USGS	442.00	--	365	--	8.20	18.0	--	--
54	402216118020301*	05-15-52	USGS	28.00	--	986	--	7.50	--	--	--
55	402420118460301	09-14-61	USGS	--	--	423	--	7.60	20.5	--	--
56	402422117525901*	01-01-35	UNCA	--	--	--	--	--	--	--	--
		01-01-35	UNCA	--	--	--	--	--	--	--	--
		03-25-46	NBCHPS	--	--	--	--	--	70.5	--	--
		02-20-74	--	--	3,310	--	--	7.00	95.5	--	--
57	402425117530201*	01-01-74	--	--	3,220	--	6.50	--	77.0	--	--
58	402505117382301*	01-01-77	USGS	--	959	--	6.97	--	22.0	--	--
59	402518118002601	11-30-47	USGS	23.00	--	769	--	--	--	--	--
60	402557119274101	11-09-66	USGS	248.00	--	750	--	7.70	17.0	--	--
61	402652117402501	05-01-52	USGS	382.00	--	842	--	7.60	21.0	--	--
		07-24-63	--	--	--	853	--	--	22.0	--	--
62	402700119250001	11-09-66	USGS	109.00	--	15,500	--	5.40	14.0	--	--
63	402819117355001	04-23-81	USGS	--	433	--	--	--	12.0	--	--
64	402822117354501*	10-30-78	PL	--	440	--	--	8.10	11.0	--	--

TABLE 6.---Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, tot fld (mg/L as CaCO ₃)	Calcium, total reco- verable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total reco- verable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total reco- verable (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, total reco- verable (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
34	11-18-69	100	--	--	35	--	4.0	--	--	--	--	--	--
36	10-08-64	370	BL	--	97	--	31	--	490	12	--	--	44
37	06-03-80	88	--	--	29	--	3.8	--	180	9	--	--	18
38	01-01-74	110	BL	--	36	--	4.4	--	180	8	--	--	20
39	06-03-80	87	--	--	28	--	3.8	--	180	9	--	--	18
40	10-06-64	95	BL	--	20	--	11	--	--	--	1,200	--	--
41	06-03-80	190	--	--	61	--	9.7	--	67	2	--	--	4.0
42	11-06-51	1,800	1,700	--	320	--	230	--	200	2	--	--	20
43	10-08-70	440	--	--	110	--	40	--	--	--	100	--	--
44	09-03-69	330	--	--	86	--	28	--	--	--	E100	--	--
45	07-23-63	270	BL	--	79	--	17	--	180	5	--	--	11
46	04-23-81	--	--	--	--	--	--	--	--	--	--	--	--
47	10-08-70	220	--	--	66	--	14	--	--	--	50	--	--
48	07-25-79	310	--	110	--	6.0	--	1,500	--	--	--	130	--
49	11-19-69	50	--	--	15	--	3.0	--	--	--	--	--	--
50	10-08-64	370	210	--	110	--	19	--	1700	40	--	--	120
51	10-06-64	150	34	--	50	--	7.1	--	34	1	--	--	2.5
52	09-14-66	610	440	--	210	--	23	--	--	--	E3,800	--	--
53	10-06-64	120	31	--	37	--	5.6	--	30	1	--	--	2.2
54	05-15-52	300	8	--	92	--	17	--	90	2	--	--	1.3
55	09-14-61	130	--	--	46	--	4.1	--	27	1	--	--	9.8
56	01-01-35	390	BL	--	120	--	22	--	--	--	650	--	--
	01-01-35	310	BL	--	88	--	23	--	--	--	600	--	--
	03-25-46	320	BL	--	96	--	20	--	--	--	570	--	--
	02-20-74	330	--	--	97	--	20	--	520	13	--	--	80
57	01-01-74	340	BL	--	95	--	25	--	540	13	--	--	80
58	01-01-77	250	--	--	73	--	17	--	130	4	--	--	8.2
59	11-30-47	--	--	--	--	--	--	--	--	--	--	--	--
60	11-09-66	62	BL	--	20	--	2.9	--	--	--	E150	--	--
61	05-01-52	200	28	--	47	--	19	--	98	3	--	--	6.5
62	07-24-63	190	25	--	46	--	19	--	100	3	--	--	6.4
63	11-09-66	--	--	--	--	--	--	--	--	--	--	--	--
64	04-23-81	--	--	--	--	--	--	--	--	--	--	--	--
	10-30-78	160	--	--	50	--	9.2	--	28	1	--	--	2.8

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Bicar- bonate, FET-LAB (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Car- bonate, FET-LAB (mg/L as CO ₃)	Alka- linity, wh wat, FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)
34	11-18-69	--	136	--	--	--	BL	--	--	--	--
36	10-08-64	--	458	--	--	--	BL	--	--	--	--
37	06-03-80	--	--	--	410	--	--	--	<1	--	--
38	01-01-74	370	--	--	--	<1	--	--	--	307	--
39	06-03-80	--	--	--	410	--	--	--	<1	--	--
40	10-06-64	--	381	--	--	--	BL	--	--	--	--
41	06-03-80	--	--	--	240	--	--	--	<1	--	--
42	11-06-51	--	104	--	--	--	--	--	--	--	--
43	10-08-70	--	189	--	--	--	BL	--	--	--	--
44	09-03-69	--	286	--	--	--	BL	--	--	--	--
45	07-23-63	--	407	--	--	--	BL	--	--	334	--
46	04-23-81	--	--	--	--	--	--	--	--	--	--
47	10-08-70	--	134	--	--	--	BL	--	--	--	150
48	07-25-79	--	183	--	--	--	BL	--	--	--	--
49	11-19-69	--	108	--	--	--	BL	--	--	--	--
50	10-08-64	--	186	--	--	--	BL	--	--	--	--
51	10-06-64	--	146	--	--	--	BL	--	--	--	--
52	09-14-66	--	216	--	--	--	BL	--	--	--	--
53	10-06-64	--	144	--	--	--	BL	--	--	--	--
54	05-15-52	--	356	--	--	--	--	--	--	--	--
55	09-14-61	--	99	--	--	--	BL	--	--	--	--
56	01-01-35	--	550	--	--	--	--	--	--	--	--
	01-01-35	--	526	--	--	--	--	--	--	--	--
	03-25-46	--	512	--	--	--	--	--	--	--	--
	02-20-74	--	--	--	540	--	--	--	BL	--	--
57	01-01-74	540	--	--	--	<1	--	--	--	446	--
58	01-01-77	--	--	480	--	--	--	BL	--	--	--
59	11-30-47	--	235	--	--	--	--	--	--	--	--
60	11-09-66	--	199	--	--	--	BL	--	--	--	--
61	05-01-52	--	204	--	--	--	BL	--	--	167	--
	07-24-63	--	205	--	--	--	BL	--	--	168	--
62	11-09-66	--	8.0	--	--	--	BL	--	--	--	--
63	04-23-81	--	--	--	--	--	--	--	--	--	--
64	10-30-78	--	--	--	170	--	--	--	<1	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1 (plate 1)	Date	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, Residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
34	11-18-69	--	--	46	--	--	--	--	--	--	--
36	10-08-64	--	170	650	--	1.5	--	--	49	--	--
37	06-03-80	--	92	37	--	1.3	--	--	120	--	--
38	01-01-74	--	150	40	--	7.8	--	0.010	110	--	--
39	06-03-80	--	100	36	--	1.4	--	--	120	--	--
40	10-06-64	--	75	1,600	--	--	--	--	--	--	--
41	06-03-80	--	53	40	--	.23	--	--	42	--	--
42	11-06-51	--	470	1,200	--	.20	--	--	39	2,500	--
43	10-08-70	--	110	280	--	--	--	--	--	--	--
44	09-03-69	--	130	130	--	--	--	--	--	--	--
45	07-23-63	--	150	130	--	1.9	--	--	58	826	--
46	04-23-81	--	--	--	--	--	--	--	--	--	--
47	10-08-70	--	75	100	--	--	--	--	--	--	--
48	07-25-79	110	--	2,500	4.8	--	--	--	--	4,590	--
49	11-19-69	--	--	91	--	--	--	--	--	--	--
50	10-08-64	--	280	2,600	--	4.1	--	--	76	--	--
51	10-06-64	--	52	46	--	BL	--	--	27	--	--
52	09-14-66	--	1,800	4,800	--	--	--	--	--	--	--
53	10-06-64	--	20	28	--	BL	--	--	23	--	--
54	05-15-52	--	83	77	--	.30	--	--	36	583	--
55	09-14-61	--	61	38	--	.30	--	--	70	--	--
56	01-01-35	--	150	840	--	--	--	--	14	--	--
	01-01-35	--	59	790	--	--	--	--	15	--	--
	03-25-46	--	59	770	--	--	--	--	53	1,970	--
	02-20-74	--	48	770	--	6.3	--	--	150	--	--
57	01-01-74	--	51	770	--	5.7	--	--	150	--	--
58	01-01-77	--	65	70	--	1.4	--	--	40	551	--
59	11-30-47	--	--	110	--	--	--	--	--	538	--
60	11-09-66	--	83	100	--	--	--	--	--	--	--
61	05-01-52	--	71	130	--	.30	--	--	36	--	--
62	07-24-63	--	69	120	--	.50	--	--	39	503	--
63	11-09-66	--	450	150	--	--	--	--	--	--	--
64	04-23-81	--	--	--	--	--	--	--	--	--	--
	10-30-78	--	30	40	--	.26	--	--	46	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, ammonia, dis- solved (mg/L as N)	Phos- phorus, total (mg/L as PO ₄)	Phos- phorus, dis- solved (mg/L as PO ₄)	Arsenic, total (µg/L as As)	Arsenic, dis- solved (µg/L as As)
34	11-18-69	--	--	--	--	--	--	--	--	--
36	10-08-64	1,770	--	--	3.9	--	--	--	--	--
37	06-03-80	687	--	--	--	--	--	<0.10	--	<100
38	01-01-74	735	--	--	--	0.690	0.03	--	--	20
39	06-03-80	694	--	--	--	--	--	<.10	--	<100
40	10-06-64	--	--	--	--	--	--	--	--	--
41	06-03-80	396	--	--	--	--	--	<.10	--	<100
42	11-06-51	2,500	--	--	.50	--	--	--	--	--
43	10-08-70	--	--	--	--	--	--	--	--	--
44	09-03-69	--	--	--	--	--	--	--	--	--
45	07-23-63	836	1.20	--	5.3	--	--	--	--	--
46	04-23-81	--	--	--	--	--	--	--	--	--
47	10-08-70	--	--	--	--	--	--	--	--	--
48	07-25-79	--	0.60	--	--	--	--	--	25	--
49	11-19-69	--	--	--	--	--	--	--	--	--
50	10-08-64	4,990	--	--	42	--	--	--	--	--
51	10-06-64	291	--	--	2.0	--	--	--	--	--
52	09-14-66	--	--	--	--	--	--	--	--	--
53	10-06-64	217	--	--	1.1	--	--	--	--	--
54	05-15-52	572	--	--	11	--	--	--	--	--
55	09-14-61	305	--	--	3.1	--	--	--	--	--
56	01-01-35	--	--	--	--	--	--	--	--	--
	01-01-35	--	--	--	--	--	--	--	--	--
	03-25-46	--	--	--	--	--	--	--	--	--
	02-20-74	1,970	--	--	<.10	1.00	--	<.10	--	<0
57	01-01-74	1,990	--	--	--	--	.02	--	--	--
58	01-01-77	641	--	--	--	--	--	--	--	--
59	11-30-47	--	--	--	--	--	--	--	--	--
60	11-09-66	--	--	--	--	--	--	--	--	--
61	05-01-52	509	1.10	--	4.9	--	--	--	--	--
	07-24-63	512	1.30	--	5.8	--	--	--	--	--
62	11-09-66	--	--	--	--	--	--	--	--	--
63	04-23-81	--	--	--	--	--	--	--	--	--
64	10-30-78	290	--	--	--	--	--	--	--	<10

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued										
Map number, ¹ (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total reco- verable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Iron (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Manga- nese (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)
34	11-18-69	--	--	--	--	--	--	--	--	--
36	10-08-64	2,100	--	600	--	--	--	--	--	--
37	06-03-80	790	<2	--	<20	--	90	--	<30	<7
38	01-01-74	1,900	20	--	60	--	280	--	<.1	--
39	06-03-80	1,000	<2	--	<22	--	86	--	<30	<7
40	10-06-64	--	--	--	--	--	--	--	--	--
41	06-03-80	140	<2	--	<3	--	23	--	<30	<7
42	11-06-51	240	--	220	--	--	--	--	--	--
43	10-08-70	--	--	--	--	--	--	--	--	--
44	09-03-69	--	--	--	--	--	--	--	--	--
45	07-23-63	1,100	--	--	--	--	--	--	--	--
46	04-23-81	--	--	--	--	--	--	--	--	--
47	10-08-70	--	--	--	--	--	--	--	--	--
48	07-25-79	--	--	--	--	730	--	160	--	--
49	11-19-69	--	--	--	--	--	--	--	--	--
50	10-08-64	5,400	--	400	--	--	--	--	--	--
51	10-06-64	200	--	10	--	--	--	--	--	--
52	09-14-66	--	--	--	--	--	--	--	--	--
53	10-06-64	100	--	30	--	--	--	--	--	--
54	05-15-52	410	--	60	--	--	--	--	--	--
55	09-14-61	100	--	10	--	--	--	--	--	--
56	01-01-35	3,900	--	--	--	--	--	--	--	--
	01-01-35	3,600	--	--	--	--	--	--	--	--
	03-25-46	--	--	BL	--	--	--	--	--	--
	02-20-74	--	40	--	120	--	34	--	<.5	50
57	01-01-74	3,800	<20	--	200	--	40	--	2.1	--
58	01-01-77	630	--	--	--	--	--	--	--	--
59	11-30-47	180	--	--	--	--	--	--	--	--
60	11-09-66	--	--	--	--	--	--	--	--	--
61	05-01-52	200	--	50	--	--	--	--	--	--
	07-24-63	300	--	40	--	--	--	--	--	--
62	11-09-66	--	--	--	--	--	--	--	--	--
63	04-23-81	--	--	--	--	--	--	--	--	--
64	10-30-78	50	--	--	--	--	<50	--	--	100

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1), ¹	U.S. Geological Survey site ¹ identification	Date	Agency ana- lyzing sample (abbrevi- ated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)
65	402849117395101	08-15-61	USGS	20.00	--	1,070	--	7.60	14.5
66	402916119485001	09-15-66	USGS	--	--	2,590	--	8.00	16.0
67	402941118030401	11-30-47	UNCA	46.00	--	770	--	--	--
68	403013119261101	10-12-66	USGS	25.00	--	3,750	--	7.60	9.5
69	403100118540401	11-20-69	USGS	--	--	420	--	8.10	18.0
70	403135117475301*	01-01-77	USGS	--	--	962	7.17	--	13.0
71	403145117365101*	01-01-77	USGS	--	--	619	7.26	--	14.0
72	403149117364301*	01-01-77	USGS	--	--	675	7.66	--	15.0
73	403151118032101*	05-15-52	USGS	--	--	500	--	7.50	11.5
74	403248117312201*	01-01-77	USGS	--	--	541	7.61	--	12.0
		08-22-78	USGS	--	--	515	7.80	--	16.0
		10-30-78	PL	--	--	500	--	8.00	14.0
75	403300117342501*	08-30-78	USGS	187.00	--	535	8.30	--	18.5
76	403342117400601*	08-29-78	USGS	509.00	--	388	6.15	--	24.5
77	403342117400602*	08-29-78	USGS	1,342.00	--	803	8.25	--	58.0
		09-15-78	USGS	--	--	825	8.10	--	58.0
78	403357117433201*	01-01-77	USGS	--	--	1,220	7.64	--	20.0
79	403515117391001*	08-24-78	USGS	147.00	--	474	8.40	--	15.5
80	403530117383101*	11-28-86	USGS	1,115.00	--	965	8.13	--	--
81	403536117392801*	01-01-77	USGS	--	--	827	7.18	--	85.0
		09-01-78	USGS	--	--	780	--	--	86.0
		09-14-78	USGS	--	--	810	6.70	--	86.0
		10-30-78	PL	--	--	750	--	7.40	81.0
		12-28-83	USGS	--	--	780	6.90	--	86.5
82	403536117392804	09-01-78	USGS	--	--	781	--	--	83.0
83	403536117392805*	09-01-78	USGS	--	--	779	--	--	86.0
		10-30-78	PL	--	--	750	--	7.60	81.0
84	403536117392806	09-01-78	USGS	--	--	820	--	--	87.5
85	403536117392807*	09-01-78	USGS	--	--	780	--	--	74.0
		10-30-78	PL	--	--	780	--	7.90	68.0
86	403536117392811	09-01-78	USGS	--	--	800	--	--	63.0
87	403536117392812*	09-01-78	USGS	--	--	802	--	--	91.5
		10-30-78	PL	--	--	770	--	9.60	94.5
		03-20-79	USGS	--	--	842	9.00	--	92.0
88	403536117392813*	06-17-72	USGS	--	--	811	7.40	--	92.0
		12-28-83	USGS	--	--	770	7.10	--	95.5

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld (mg/L as CaCO ₃)	Calcium, dis- solved as Ca	Magne- sium, dis- solved as Mg	Sodium, dis- solved as Na	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, dis- solved (mg/L as K)
65	08-15-61	250	BL	58	25	130	4	--	4.4
66	09-15-66	50	BL	12	4.9	--	--	E600	--
67	11-30-47	--	--	--	--	--	--	--	--
68	10-12-66	110	BL	24	12	--	--	E830	--
69	11-20-69	110	--	24	11	--	--	E30	--
70	01-01-77	380	--	99	32	65	2	--	3.8
71	01-01-77	240	--	66	18	32	.9	--	1.8
72	01-01-77	250	--	68	19	38	1	--	2.3
73	05-15-52	240	51	74	13	10	.3	--	.90
74	01-01-77	200	--	67	9.1	29	.9	--	4.6
	08-22-78	200	22	65	9.6	29	.9	--	4.2
	10-30-78	210	--	66	10	27	.9	--	4.6
75	08-30-78	170	BL	47	12	52	2	--	3.0
76	08-29-78	43	BL	14	2.0	57	4	--	3.5
77	08-29-78	35	BL	11	1.8	180	14	--	11
	09-15-78	41	BL	13	2.1	180	13	--	12
78	01-01-77	360	--	91	32	110	3	--	4.7
79	08-24-78	160	16	45	12	38	1	--	3.2
80	11-28-86	21	--	8.0	.30	210	21	--	2.4
81	01-01-77	28	--	9.7	.80	170	15	--	12
	09-01-78	--	--	--	--	--	--	--	--
	09-14-78	32	BL	11	1.1	180	14	--	13
	10-30-78	39	--	13	1.6	160	12	--	12
	12-28-83	28	--	9.5	.87	160	14	--	11
82	09-01-78	--	--	--	--	--	--	--	--
83	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	42	--	14	1.6	160	11	--	12
84	09-01-78	--	--	--	--	--	--	--	--
85	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	39	--	13	1.7	170	12	--	12
86	09-01-78	--	--	--	--	--	--	--	--
87	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	16	--	5.5	.60	170	19	--	14
	03-20-79	24	BL	9.6	.10	180	17	--	16
88	06-17-72	24	--	8.8	.50	160	15	--	13
	12-28-83	24	--	8.5	.60	160	15	--	12

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Bicar- bonate, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Bicar- bonate, FET-LAB (mg/L as HCO ₃)	Car- bonate, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Car- bonate, FET-LAB (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)
65	08-15-61	--	308	--	--	--	BL	--	--	253
66	09-15-66	--	350	--	--	--	BL	--	--	--
67	11-30-47	--	473	--	--	--	--	--	--	--
68	10-12-66	--	414	--	--	--	BL	--	--	--
69	11-20-69	--	110	--	--	--	BL	--	--	--
70	01-01-77	--	--	290	--	--	--	BL	--	--
71	01-01-77	--	--	200	--	--	--	BL	--	--
72	01-01-77	--	--	190	--	--	--	BL	--	--
73	05-15-52	--	228	--	--	--	--	--	--	--
74	01-01-77	--	--	210	--	--	--	BL	--	--
	08-22-78	220	--	217	--	BL	--	BL	--	178
	10-30-78	--	--	--	220	--	--	--	<1	--
75	08-30-78	210	--	208	--	2	--	2.0	--	174
76	08-29-78	82	--	82	--	BL	--	BL	--	67
77	08-29-78	460	--	456	--	4	--	4.0	--	381
	09-15-78	460	--	457	--	3	--	3.0	--	380
78	01-01-77	--	--	180	--	--	--	BL	--	--
79	08-24-78	--	--	172	--	--	--	2.0	--	144
80	11-28-86	--	--	468	--	--	--	BL	--	--
81	01-01-77	--	--	390	--	--	--	BL	--	--
	09-01-78	--	--	385	--	BL	--	BL	--	316
	10-30-78	380	--	--	390	--	--	--	<1	--
	12-28-83	--	--	370	--	--	--	--	--	--
82	09-01-78	--	--	--	--	--	--	--	--	--
83	09-01-78	--	--	--	--	--	--	--	--	--
	10-30-78	--	--	--	390	--	--	--	<1	--
84	09-01-78	--	--	--	--	--	--	--	--	--
85	09-01-78	--	--	--	--	--	--	--	--	--
	10-30-78	--	--	--	390	--	--	--	<1	--
86	09-01-78	--	--	--	--	--	--	--	--	--
87	09-01-78	370	--	--	--	17	--	--	--	333
	10-30-78	--	--	--	270	--	--	--	80	271
	03-20-79	320	--	324	--	3	--	3.0	--	--
88	06-17-72	--	--	366	--	--	--	BL	--	--
	12-28-83	--	--	360	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
65	08-15-61	94	130	0.30	--	--	46	--	--
66	09-15-66	120	670	--	--	--	--	--	--
67	11-30-47	--	17	--	--	--	--	539	--
68	10-12-66	250	940	--	--	--	--	--	--
69	11-20-69	26	38	--	--	--	--	--	--
70	01-01-77	150	86	1.0	--	--	19	562	--
71	01-01-77	59	56	.20	--	--	22	351	--
72	01-01-77	53	81	.10	--	--	20	390	--
73	05-15-52	33	16	.10	--	--	16	301	--
74	01-01-77	38	39	.30	--	--	58	356	--
	08-22-78	39	36	.20	--	--	54	--	--
	10-30-78	31	37	.50	--	--	54	--	--
75	08-30-78	48	39	.80	--	--	21	--	--
76	08-29-78	41	59	1.5	--	--	16	--	--
77	08-29-78	30	24	3.9	--	--	16	--	--
	09-15-78	26	23	4.3	--	--	8.3	--	--
78	01-01-77	190	180	.70	--	--	26	734	--
79	08-24-78	43	39	.40	--	--	25	--	--
80	11-28-86	47	26	7.7	--	--	93	--	660
81	01-01-77	53	26	8.2	--	--	110	571	--
	09-01-78	--	27	--	--	--	--	--	--
	09-14-78	56	26	9.0	--	--	100	--	--
	10-30-78	49	21	6.6	--	--	120	--	--
	12-28-83	52	31	8.5	--	--	120	--	--
82	09-01-78	--	27	--	--	--	--	--	--
83	09-01-78	--	27	--	--	--	--	--	--
	10-30-78	47	23	6.6	--	--	100	--	--
84	09-01-78	--	28	--	--	--	--	--	--
85	09-01-78	--	27	--	--	--	--	--	--
	10-30-78	47	25	6.6	--	--	100	--	--
86	09-01-78	--	27	--	--	--	--	--	--
87	09-01-78	--	32	--	--	--	--	--	--
	10-30-78	46	25	7.1	--	--	210	--	--
	03-20-79	57	32	2.7	--	--	110	--	--
88	06-17-72	53	29	7.8	0.060	0.003	130	584	--
	12-28-88	53	30	8.5	--	--	140	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, nitrite, dis- solved (mg/L as N)	Nitro- gen, ammonia, dis- solved (mg/L as N)	Arsenic, dis- solved (µg/L as As)	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total, recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)
65	08-15-61	641	BL	BL	--	--	--	300	--	--	--	--	--	--
66	09-15-66	--	--	--	--	--	--	--	--	--	--	--	--	--
67	11-30-47	--	--	--	--	--	--	BL	--	--	--	--	--	--
68	10-12-66	--	--	--	--	--	--	--	--	--	--	--	--	--
69	11-20-69	--	--	--	--	--	--	--	--	--	--	--	--	--
70	01-01-77	599	--	--	--	--	--	230	--	--	--	--	--	--
71	01-01-77	353	--	--	--	--	--	100	--	--	--	--	--	--
72	01-01-77	375	--	--	--	--	--	110	--	--	--	--	--	--
73	05-15-52	275	--	26	--	--	--	100	--	40	--	--	--	--
74	01-01-77	348	--	--	--	--	--	80	--	--	--	--	--	--
	08-22-78	344	--	--	--	--	--	190	--	--	--	--	--	--
	10-30-78	338	--	--	--	--	<10	100	--	--	--	<50	--	<50
75	08-30-78	329	--	--	--	--	--	260	--	--	--	--	--	--
76	08-29-78	267	--	--	--	--	--	440	--	32,000	--	--	--	--
77	08-29-78	511	--	--	--	--	--	600	--	--	--	--	--	--
	09-15-78	500	--	--	--	--	--	540	--	--	--	--	--	--
78	01-01-77	723	--	--	--	--	--	360	--	--	--	--	--	--
79	08-24-78	294	--	--	--	--	--	140	--	--	--	--	--	--
80	11-28-86	626	--	--	--	--	--	1,200	--	--	--	--	--	--
81	01-01-77	588	--	--	--	--	--	1,300	--	--	--	--	--	--
	09-01-78	--	--	--	--	--	--	1,200	--	--	--	--	--	--
	09-14-78	592	--	--	--	--	--	1,300	--	--	--	--	--	--
	10-30-78	575	--	--	--	--	<10	180	--	--	--	--	--	<50
	12-28-83	582	--	--	--	--	--	1,200	<10	--	5	53	--	47
82	09-01-78	--	--	--	--	--	--	1,200	--	--	--	--	--	--
83	09-01-78	--	--	--	--	--	--	1,200	--	--	--	--	--	--
	10-30-78	556	--	--	--	--	<10	160	--	--	--	<50	--	<50
84	09-01-78	--	--	--	--	--	--	1,200	--	--	--	--	--	--
85	09-01-78	--	--	--	--	--	--	1,200	--	--	--	--	--	--
	10-30-78	569	--	--	--	--	<10	1,600	--	--	--	50	--	<50
86	09-01-78	--	--	--	--	--	--	1,200	--	--	--	--	--	--
87	09-01-78	--	--	--	--	--	--	1,300	--	--	--	--	--	--
	10-30-78	774	--	--	--	--	15	150	--	--	--	<50	--	<50
	03-20-79	579	--	--	--	--	--	1,300	--	--	--	--	--	--
88	06-17-72	589	<.050	--	<0.050	0.400	1	1,200	<20	<30	7	20	0.6	20
	12-28-83	596	--	--	--	--	--	1,200	<10	--	--	45	--	91

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological Survey site identification ¹	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Specific conductance, lab ($\mu\text{S}/\text{cm}$)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)
89	403536117392815*	09-01-78 10-30-78	USGS PL	--	558	--	--	98.0
		12-13-78	USGS	--	570	--	7.10	95.0
90	403536117392817*	09-01-78 10-30-78	USGS PL	--	578	5.90	--	92.0
				--	810	--	--	85.0
				--	760	--	7.80	74.0
91	403536117392822*	01-01-77 09-14-78	USGS	--	825	7.03	--	81.0
		12-29-83	USGS	--	802	6.60	--	81.0
92	403536117392823*	09-01-78 10-30-78	USGS PL	--	790	7.00	--	84.5
				--	778	--	--	80.0
				--	730	--	7.50	81.0
93	403536117392825*	09-01-78 10-30-78	USGS PL	--	788	--	--	75.0
94	403536117392826	09-01-78	USGS	--	750	--	8.00	68.0
95	403540117410701*	08-23-78	USGS	241.00	376	8.60	--	75.0
96	403541117385301*	11-29-86	USGS	165.50	885	--	8.66	16.5
97	403551117390501*	10-30-78	PL	--	780	--	7.80	--
98	403609117400301*	08-23-78	USGS	147.60	542	8.30	--	34.0
99	403613117384401*	08-23-78	USGS	171.00	1,240	8.60	--	15.0
		11-29-86	USGS	--	1,300	8.62	--	52.5
100	403621118003701	05-15-52	USGS	101.00	--	--	7.60	--
101	403624117384401*	09-14-78	USGS	55.10	815	8.55	--	13.0
		11-29-86	USGS	--	895	7.99	--	86.0
102	403634117390201*	08-30-78	USGS	150.60	810	8.50	--	--
		11-28-86	USGS	--	810	8.60	--	29.0
104	403650117411101	11-29-86	USGS	163.00	1,320	--	--	--
105	403738119215101	11-09-66	USGS	8.00	--	--	7.40	--
106	403749117475801*	06-01-77	USGS	--	1,250	7.55	--	--
107	403828117364701*	01-01-77	USGS	--	720	7.66	--	10.0
		08-22-78	USGS	--	742	7.50	--	13.0
108	403853117401401*	08-31-78	USGS	420.00	750	9.80	--	17.0
109	403903119230201*	01-01-75	--	--	--	7.20	--	74.0
		01-18-80	USGS	--	7,460	7.70	--	91.5
110	403903119230202	01-01-75	--	--	--	7.80	--	60.5
		02-05-80	USGS	--	7,330	7.07	--	79.0

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1) ¹	Date	Hard- ness total (mg/L as CaCO ₃)	Hard- ness noncarb wh wat tot fld (mg/L as CaCO ₃)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, dis- solved (mg/L as K)
89	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	27	--	8.6	1.4	86	7	--	12
	12-13-78	22	20	8.6	.20	85	8	--	12
90	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	39	--	13	1.5	160	12	--	12
91	01-01-77	29	--	10	1.0	170	14	--	12
	09-14-78	32	BL	11	1.2	170	14	--	11
	12-29-83	29	--	9.7	1.0	160	14	--	12
92	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	40	--	13	1.8	160	12	--	11
93	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	39	--	13	1.6	170	12	--	12
94	09-01-78	--	--	--	--	--	--	--	--
95	08-23-78	70	BL	18	6.2	53	3	--	4.5
96	11-29-86	29	--	8.6	1.8	200	17	--	7.6
97	10-30-78	43	--	14	1.9	170	12	--	12
98	08-23-78	190	21	56	12	39	1	--	3.1
99	08-23-78	29	BL	8.5	2.0	270	22	--	14
	11-29-86	48	--	15	2.6	240	16	--	14
100	05-15-52	180	85	48	14	34	1	--	1.9
101	09-14-78	34	BL	11	1.5	180	14	--	12
	11-29-86	28	--	9.5	1.1	170	15	--	13
102	08-30-78	39	BL	12	2.3	180	13	--	11
	11-28-86	39	--	12	2.1	170	12	--	10
104	11-29-86	--	--	--	--	--	--	--	--
105	11-09-66	--	--	--	--	--	--	--	--
106	06-01-77	630	--	150	61	65	1	--	6.5
107	01-01-77	310	--	72	32	29	.7	--	2.5
	08-22-78	320	--	72	34	31	.8	--	3.5
108	08-31-78	15	BL	3.3	1.6	170	20	--	9.2
109	01-01-75	200	140	74	2.5	1,500	50	--	130
	01-18-80	210	110	79	2.8	1,500	47	--	100
110	01-01-75	200	140	75	2.8	1,500	50	--	130
	02-05-90	200	100	77	2.6	1,400	45	--	120

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued									
Map number (plate 1) ¹	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, FET-LAB (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Car- bonate, FET-LAB (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)
89	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	--	--	17	--	--	--	<1	--
	12-13-78	3	--	3.0	BL	--	BL	--	2
90	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	--	--	390	--	--	--	<1	--
91	01-01-77	--	--	--	--	--	BL	--	--
	09-14-78	370	390	--	BL	--	BL	--	303
	12-29-83	--	360	--	--	--	--	--	--
92	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	--	--	380	--	--	--	<1	--
93	09-01-78	--	--	--	--	--	--	--	--
	10-30-78	--	--	390	--	--	--	<1	--
94	09-01-78	--	--	--	--	--	--	--	--
95	08-23-78	140	137	--	3	--	3.0	--	117
96	11-29-86	--	--	--	--	--	--	--	--
97	10-30-78	--	--	400	--	--	--	<1	--
98	08-23-78	200	202	--	2	--	2.0	--	169
99	08-23-78	360	365	--	8	--	8.0	--	313
	11-29-86	--	--	--	--	--	--	--	--
100	05-15-52	--	113	--	--	--	--	--	--
101	09-14-78	380	383	--	7	--	7.0	--	326
	11-29-86	--	393	--	--	--	BL	--	--
102	08-30-78	400	399	--	6	--	6.0	--	337
	11-28-86	--	364	--	--	--	22	--	--
104	11-29-86	--	--	--	--	--	--	--	--
105	11-09-66	--	358	--	--	BL	--	--	--
106	06-01-77	--	--	300	--	--	BL	--	--
107	01-01-77	--	--	210	--	--	BL	--	--
	08-22-78	--	--	--	--	--	--	--	--
108	08-31-78	270	--	272	86	--	86	--	366
109	01-01-75	70	--	--	BL	--	--	--	57
	01-18-80	--	--	122	--	--	BL	--	100
	01-01-75	75	--	--	BL	--	--	--	62
110	02-05-80	--	--	120	--	--	BL	--	98

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1 (plate 1)	Date	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
89	09-01-78	--	10	--	--	--	--	--	--
	10-30-78	160	9.6	2.3	--	--	200	--	--
	12-13-78	200	13	2.7	BL	BL	180	--	--
90	09-01-78	--	27	--	--	--	--	--	--
	10-30-78	50	25	7.1	--	--	110	--	--
91	01-01-77	50	28	8.5	--	--	100	564	--
	09-14-78	52	25	9.0	--	--	95	--	--
	12-29-83	48	29	8.7	--	--	110	--	--
92	09-01-78	--	27	--	--	--	--	--	--
	10-30-78	46	21	6.6	--	--	96	--	--
93	09-01-78	--	27	--	--	--	--	--	--
	10-30-78	47	28	6.6	--	--	110	--	--
94	09-01-78	--	28	--	--	--	--	--	--
95	08-23-78	15	39	.60	--	--	4.6	--	--
96	11-29-86	19	26	5.6	--	--	7.5	--	--
97	10-30-78	44	30	6.6	--	--	100	--	--
98	08-23-78	53	36	.30	--	--	19	--	--
99	08-23-78	110	140	6.2	--	--	17	--	--
	11-29-86	34	20	1.3	--	--	36	--	763
100	05-15-52	55	76	.20	--	--	11	296	--
101	09-14-78	43	27	8.8	--	--	49	--	--
	11-29-86	52	27	8.2	--	--	97	--	597
102	08-30-78	49	24	8.1	--	--	79	--	--
	11-28-86	47	25	6.8	--	--	68	--	564
104	11-29-86	--	29	7.9	--	--	38	--	--
105	11-09-66	4,500	830	--	--	--	--	--	--
106	06-01-77	350	110	.50	--	--	19	818	--
107	01-01-77	110	59	.20	--	--	21	430	--
	08-22-78	110	62	.30	--	--	20	--	--
108	08-31-78	19	38	16	--	--	1.3	--	--
109	01-01-75	370	2,100	--	--	--	170	--	--
	01-18-80	380	2,200	4.6	--	--	140	--	--
110	01-01-75	370	2,100	3.8	--	--	170	--	--
	02-05-80	390	2,200	5.0	--	--	190	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued												
Map number (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Arsenic, dis- solved (µg/L as As)	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total recov- erable (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)		
89	09-01-78	--	--	--	350	--	--	--	--	--	--	--
	10-30-78	488	--	26	100	--	--	<50	--	<50	--	--
	12-13-78	503	--	--	480	--	--	--	--	--	--	--
90	09-01-78	--	--	--	1,200	--	--	--	--	--	--	--
	10-30-78	572	--	<10	1,300	--	--	60	--	<50	--	--
91	01-01-77	573	--	--	1,300	--	--	--	--	--	--	--
	09-14-78	557	--	--	1,300	--	--	--	--	--	--	--
	12-29-83	562	--	--	1,200	<10	5	78	--	6	--	--
92	09-01-78	--	--	--	1,200	--	--	--	--	--	--	--
	10-30-78	544	--	<10	1,700	--	--	60	--	<50	--	--
93	09-01-78	--	--	--	1,300	--	--	--	--	--	--	--
	10-30-78	581	--	<10	1,300	--	--	60	--	<50	--	--
94	09-01-78	--	--	--	1,300	--	--	--	--	--	--	--
95	08-23-78	215	--	--	410	--	--	--	--	--	--	--
96	11-29-86	277	--	--	1,100	--	--	--	--	--	--	--
97	10-30-78	577	--	<10	1,700	--	--	<50	--	<50	--	--
98	08-23-78	322	--	--	300	--	--	--	--	--	--	--
99	08-23-78	765	--	--	1,800	--	--	--	--	--	--	--
	11-29-86	363	--	--	440	--	--	--	--	--	--	--
100	05-15-52	296	0.30	--	100	--	40	--	--	--	--	--
101	09-14-78	536	--	--	1,300	--	--	--	--	--	--	--
	11-29-86	572	--	--	1,200	--	--	--	--	--	--	--
102	08-30-78	575	--	--	1,300	--	--	--	--	--	--	--
	11-28-86	566	--	--	1,200	--	--	--	--	--	--	--
104	11-29-86	--	--	--	1,000	--	--	--	--	--	--	--
105	11-09-66	--	--	--	--	--	--	--	--	--	--	--
106	06-01-77	910	--	--	170	--	--	--	--	--	--	--
107	01-01-77	429	--	--	110	--	--	--	--	--	--	--
	08-22-78	333	--	--	120	--	--	--	--	--	--	--
108	08-31-78	568	--	--	1,100	--	--	--	--	--	--	--
109	01-01-75	4,400	--	--	--	--	--	--	--	--	--	--
	01-18-80	4,470	--	--	--	<10	<10	48	0.2	12	--	--
110	01-01-75	4,430	--	--	2,100	--	--	--	--	--	--	--
	02-05-80	4,450	--	--	7,900	--	--	30	--	50	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, ¹ (plate 1)	U.S. Geological Survey site ¹ identification	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Spe- cific con- duct- ance, lab (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bidity (JTU)
111	403903119230203	01-01-75	--	--	8,000	--	7.00	--	84.5	--	--
112	403903119230204	01-01-75	--	--	7,600	--	7.10	--	42.0	--	--
113	403906119223501	10-14-66	USGS	--	--	6,800	--	7.90	67.0	--	--
114	403907119244601	09-16-66	USGS	--	--	3,790	--	8.90	19.0	--	--
115	403921118093701*	05-08-81	NBLR	117.00	--	--	--	8.10	--	3	BL
116	403931119211301	01-01-75	--	--	--	--	7.60	--	63.0	--	--
117	403939119215401*	01-01-74	--	--	7,610	--	7.15	--	86.0	--	--
118	403939119215402	01-01-78	--	--	--	--	7.40	--	--	--	--
119	403939119215403	01-01-75	--	--	8,150	--	7.60	--	75.0	--	--
120	403939119215404	01-01-75	--	--	7,600	--	8.30	--	58.0	--	--
121	403939119215406	01-01-75	--	--	8,100	--	8.20	--	55.5	--	--
122	403939119215407	01-01-75	--	--	7,800	--	7.60	--	93.5	--	--
123	403939119215408	01-01-75	--	--	--	--	7.80	--	63.0	--	--
124	403939119215409	01-01-75	--	--	7,620	--	7.10	--	95.5	--	--
125	403939119215410	01-01-75	--	--	7,600	--	7.40	--	98.0	--	--
126	403939119215411	01-01-75	--	--	--	--	7.70	--	65.0	--	--
127	403939119215412	01-01-75	--	--	7,600	--	6.80	--	46.0	--	--
128	403939119215413	01-01-75	--	--	7,600	--	7.60	--	84.0	--	--
129	403939119215414	01-01-75	--	--	--	--	7.00	--	78.0	--	--
130	403939119215446*	01-28-80	USGS	--	7,530	--	8.20	--	--	--	--
131	403941119215401*	02-19-74	--	--	7,830	--	7.30	--	88.5	--	--
132	403942119215548*	01-16-80	USGS	--	7,400	--	7.16	8.08	84.0	--	--
133	403945119215523*	01-17-80	USGS	--	7,430	--	7.21	--	100.5	--	--
134	403951119215401	05-07-40	USGS	--	--	--	--	--	--	--	--
135	404024119211801*	07-31-54	USGS	--	--	7,270	--	7.20	91.0	--	--
136	404027117322301*	11-28-79	USGS	--	7,320	--	7.20	--	97.0	--	--
137	404039118031501	10-30-78	PL	--	660	--	8.08	--	90.0	--	--
138	404059117363001*	09-21-77	NBLR	340.00	--	--	--	8.00	10.0	7	1
139	404233119272501	10-15-66	USGS	--	520	--	--	8.00	--	--	--
140	404237119201201	04-09-45	--	--	659	--	--	8.20	13.0	--	--
141	404252119284401	11-10-66	USGS	--	1,100	--	--	7.40	16.5	--	--
					640	--	--	8.00	16.0	--	--
									13.5	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, total (mg/L as CaCO ₃)	Calcium, total reco- verable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total reco- verable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total reco- verable (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, total reco- verable (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
111	01-01-75	190	140	--	73	--	2.4	--	1,500	49	--	--	140
112	01-01-75	130	74	--	50	--	2.3	--	1,600	63	--	--	130
113	10-14-66	200	95	--	66	--	8.1	--	--	--	E1,500	--	--
114	09-16-66	10	BL	--	2.0	--	1.2	--	--	--	E970	--	--
115	05-08-81	140	--	44	--	7.0	--	26	--	--	--	1.0	--
116	01-01-75	190	130	--	74	--	1.0	--	1,400	46	--	--	130
117	01-01-74	180	110	--	68	--	1.2	--	1,400	49	--	--	130
118	01-01-78	180	--	--	67	--	1.4	--	1,300	45	--	--	67
119	01-01-75	190	120	--	73	--	2.0	--	1,600	52	--	--	110
120	01-01-75	190	120	--	73	--	2.5	--	1,600	51	--	--	130
121	01-01-75	200	130	--	75	--	2.5	--	1,800	59	--	--	130
122	01-01-75	190	140	--	73	--	2.0	--	1,600	53	--	--	130
123	01-01-75	180	53	--	68	--	2.2	--	1,600	52	--	--	150
124	01-01-75	180	110	--	70	--	2.8	--	1,600	53	--	--	130
125	01-01-75	180	110	--	70	--	1.0	--	1,400	49	--	--	140
126	01-01-75	180	110	--	69	--	2.2	--	1,400	48	--	--	130
127	01-01-75	250	180	--	96	--	2.3	--	1,800	60	--	--	130
128	01-01-75	190	120	--	73	--	2.3	--	1,400	39	--	--	140
129	01-01-75	200	140	--	78	--	1.3	--	1,600	53	--	--	140
130	01-28-80	180	--	--	70	--	1.1	--	1,400	48	--	--	120
131	02-19-74	230	--	--	89	--	.98	--	1,500	47	--	--	110
132	01-16-80	180	110	--	67	--	1.5	--	1,500	52	--	--	100
133	01-17-80	190	110	--	74	--	1.2	--	1,500	50	--	--	120
134	05-07-40	360	--	--	100	--	26	--	1,500	35	--	--	--
135	07-31-54	190	--	--	73	--	.70	--	1,500	51	--	--	120
136	01-01-75	190	120	--	73	--	2.2	--	1,400	48	--	--	120
137	11-28-79	150	91	--	56	--	.90	--	1,400	54	--	--	110
138	10-30-78	290	--	--	79	--	23	--	31	.8	--	--	1.2
139	09-21-77	100	--	32	--	5.0	--	20	--	--	--	2.0	--
140	10-30-78	210	--	--	65	--	12	--	30	.9	--	--	2.1
141	10-15-66	32	BL	--	8.8	--	2.4	--	--	--	E150	--	--
142	04-09-45	66	BL	--	18	--	5.0	--	300	17	--	--	10
143	11-10-66	130	BL	--	38	--	9.0	--	--	--	E100	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1) (plate 1)	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Bicar- bonate, FET-LAB (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Car- bonate, FET-LAB (mg/L as CO ₃)	Alka- linity wh wat, FET-FLD (mg/L as CaCO ₃)	Alka- linity, total lab FET-FLD (mg/L as CaCO ₃)
111	01-01-75	70	--	--	--	BL	--	--	--	57	--
112	01-01-75	74	--	--	--	BL	--	--	--	61	--
113	10-14-66	--	126	--	--	--	BL	--	--	--	--
114	09-16-66	--	500	--	--	--	187	--	--	--	--
115	09-08-81	--	151	--	--	--	BL	--	--	--	124
116	01-01-75	74	--	--	--	BL	--	--	--	61	--
117	01-01-74	83	--	--	--	<1	--	--	--	68	--
118	01-01-78	--	--	--	--	--	--	--	--	83	--
119	01-01-75	90	--	--	--	BL	--	--	--	74	--
120	01-01-75	88	--	--	--	BL	--	--	--	69	--
121	01-01-75	66	--	--	--	BL	--	--	--	72	--
122	01-01-75	82	--	--	--	BL	--	--	--	54	--
123	01-01-75	160	--	--	--	BL	--	--	--	67	--
124	01-01-75	90	--	--	--	BL	--	--	--	128	--
125	01-01-75	90	--	--	--	BL	--	--	--	74	--
126	01-01-75	88	--	--	--	BL	--	--	--	74	--
127	01-01-75	83	--	--	--	BL	--	--	--	72	--
128	01-01-75	85	--	--	--	BL	--	--	--	68	--
129	01-01-75	75	--	--	--	BL	--	--	--	70	--
130	01-28-80	--	--	96	--	--	--	BL	--	62	--
131	02-19-74	--	--	--	91	--	--	BL	BL	--	--
132	01-16-80	84	--	--	--	BL	--	--	--	69	--
133	01-17-80	100	--	--	--	BL	--	--	--	82	--
134	05-07-40	--	227	--	--	--	BL	--	--	--	--
135	07-31-54	--	91	--	--	--	BL	--	--	--	--
136	01-01-75	84	--	--	--	BL	--	--	--	69	--
137	11-28-79	--	--	68	--	--	--	BL	--	--	--
138	10-30-78	--	--	--	240	--	--	--	<1	--	--
139	09-21-77	--	132	--	--	--	BL	--	--	--	108
140	10-30-78	--	--	--	200	--	--	--	<1	--	--
141	10-15-66	--	275	--	--	--	BL	--	--	--	--
142	04-09-45	360	--	--	--	48	--	--	--	376	--
143	11-10-66	--	236	--	--	--	BL	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, ¹ (plate 1)	Date	Sulfide, dis- solved (mg/L as S)	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
111	01-01-75	--	--	370	2,100	--	--	--	--	160	--	--
112	01-01-75	--	--	370	2,400	--	--	--	--	170	--	--
113	10-14-66	--	--	400	2,100	--	--	--	--	--	--	--
114	09-16-66	--	--	420	680	--	--	--	--	--	--	--
115	05-08-81	--	40	--	18	0.1	--	--	--	--	--	234
116	01-01-75	--	--	360	1,900	--	4.1	--	--	180	--	--
117	01-01-74	--	--	400	2,200	--	4.5	6.0	0.400	160	--	--
118	01-01-78	--	--	340	1,800	--	--	--	--	270	--	--
119	01-01-75	--	--	360	2,100	--	--	--	--	180	--	--
120	01-01-75	--	--	370	2,200	--	--	--	--	190	--	--
121	01-01-75	--	--	370	2,400	--	--	--	--	180	--	--
122	01-01-75	--	--	360	2,100	--	--	--	--	170	--	--
123	01-01-75	--	--	370	2,200	--	--	--	--	180	--	--
124	01-01-75	--	--	370	2,100	--	4.5	--	--	170	--	--
125	01-01-75	--	--	350	2,300	--	--	--	--	190	--	--
126	01-01-75	--	--	360	2,200	--	4.4	--	--	170	--	--
127	01-01-75	--	--	400	2,300	--	4.8	--	--	170	--	--
128	01-01-75	--	--	360	2,100	--	--	--	--	180	--	--
129	01-01-75	--	--	370	2,100	--	--	--	--	170	--	--
130	01-28-80	--	--	380	2,100	--	5.1	--	--	210	--	--
131	02-19-74	--	--	380	2,200	--	5.5	--	--	170	--	--
132	01-16-80	--	--	370	2,300	--	5.1	--	--	160	--	--
133	01-17-80	0.5	--	380	2,200	--	4.7	--	--	170	--	--
134	05-07-40	--	--	350	2,000	--	--	--	--	130	4,140	--
135	07-31-54	--	--	380	2,200	--	4.0	--	--	170	--	--
136	11-28-79	--	--	390	2,100	--	--	--	--	180	--	--
137	10-30-78	--	--	370	2,000	--	4.6	--	--	--	--	--
138	09-21-77	--	7.0	84	34	--	5.0	--	--	23	--	--
139	10-30-78	--	--	--	6.0	.3	--	--	--	--	--	181
140	10-13-66	--	--	36	50	--	2.7	--	--	46	--	--
141	04-09-45	--	--	44	67	--	--	--	--	--	--	--
142	11-10-66	--	--	79	160	--	--	--	--	44	--	--
143	11-10-66	--	--	48	76	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued												
Map number 1 (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, ammonia, dis- solved (mg/L as N)	Phos- phorus, total (mg/L as PO ₄)	Phos- phorus, dis- solved (mg/L as PO ₄)	Arsenic, total (μg/L as As)	Arsenic, dis- solved (μg/L as As)		
111	01-01-75	4,390	--	--	--	--	--	--	--	--	--	--
112	01-01-75	4,760	--	--	--	--	--	--	--	--	--	--
113	10-14-66	--	--	--	--	--	--	--	--	--	--	--
114	09-16-66	--	--	--	--	--	--	--	--	--	--	--
115	05-08-81	--	--	2.7	--	--	--	--	10	--	--	--
116	01-01-75	4,080	--	--	--	--	--	--	--	--	--	--
117	01-01-74	4,430	--	--	--	0.800	0.10	--	--	--	50	--
118	01-01-78	3,880	--	--	--	--	.04	--	--	--	160	--
119	01-01-75	4,430	--	--	--	--	--	--	--	--	--	--
120	01-01-75	4,600	--	--	--	--	--	--	--	--	--	--
121	01-01-75	5,010	--	--	--	--	--	--	--	--	--	--
122	01-01-75	4,440	--	--	--	--	--	--	--	--	--	--
123	01-01-75	4,590	--	--	--	--	--	--	--	--	--	--
124	01-01-75	4,610	--	--	--	--	--	--	--	--	--	--
125	01-01-75	4,330	--	--	--	--	--	--	--	--	--	--
126	01-01-75	4,550	--	--	--	--	--	--	--	--	--	--
127	01-01-75	4,770	--	--	--	--	--	--	--	--	--	--
128	01-01-75	4,560	--	--	--	--	--	--	--	--	--	--
129	01-01-75	4,530	--	--	--	--	--	--	--	--	--	--
130	01-01-75	4,450	--	--	--	--	--	--	--	--	--	--
131	01-28-80	4,340	--	--	--	--	--	--	--	--	--	--
132	02-19-74	4,600	0.160	--	0.71	0.470	--	0.20	--	3	--	--
133	01-16-80	4,550	--	--	--	--	--	--	--	--	--	--
134	01-17-80	4,500	--	--	--	--	--	--	--	--	--	--
135	05-07-40	4,230	--	--	--	--	--	--	--	--	--	--
136	07-31-54	4,500	--	--	--	--	--	--	--	--	--	--
137	01-01-75	4,400	--	--	--	--	--	--	--	--	--	--
138	11-28-79	3,980	--	--	--	--	--	--	--	--	--	--
139	10-30-78	394	--	--	--	--	--	--	--	--	--	--
140	09-21-77	--	--	.70	--	--	--	--	--	--	--	--
141	10-30-78	342	--	--	--	--	--	--	5	--	12	--
142	10-15-66	--	--	--	--	--	--	--	--	--	--	--
143	04-09-45	896	--	--	--	--	--	--	--	--	--	--
144	11-10-66	--	--	--	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued									
Map number 1 (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, dis- solved (µg/L as Fe)	Iron (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Manga- nese (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)
111	01-01-75	1,100	--	--	--	--	--	--	--
112	01-01-75	1,200	--	--	--	--	--	--	--
113	10-14-66	--	--	--	--	--	--	--	--
114	09-16-66	--	--	--	--	--	--	--	--
115	05-08-81	--	--	--	50	--	BL	--	--
116	01-01-75	1,800	--	--	--	--	--	--	--
117	01-01-74	9,900	60	20	--	30	--	<0.1	--
118	01-01-78	7,600	140	<30	--	22	--	<4.0	--
119	01-01-75	1,100	--	--	--	--	--	--	--
120	01-01-75	1,300	--	--	--	--	--	--	--
121	01-01-75	1,500	--	--	--	--	--	--	--
122	01-01-75	--	--	--	--	--	--	--	--
123	01-01-75	1,600	--	--	--	--	--	--	--
124	01-01-75	1,800	--	--	--	--	--	--	--
125	01-01-75	1,700	--	--	--	--	--	--	--
126	01-01-75	1,500	--	--	--	--	--	--	--
127	01-01-75	1,500	--	--	--	--	--	--	--
128	01-01-75	--	--	--	--	--	--	--	--
129	01-01-75	--	--	--	--	--	--	--	--
130	01-28-80	8,200	--	40	--	20	--	.2	--
131	02-19-74	--	<10	90	--	18	--	.7	130
132	01-16-80	--	<10	<10	--	16	--	.5	4
133	01-17-80	--	<10	<10	--	16	--	.6	<3
134	05-07-40	--	--	--	--	--	--	--	--
135	07-31-54	--	--	--	--	--	--	--	--
136	01-01-75	--	--	--	--	--	--	--	--
137	11-28-79	--	<10	14	--	9	--	.2	6
138	10-30-78	150	--	--	--	<50	--	--	350
139	09-21-77	--	--	--	350	--	40	--	--
140	10-30-78	220	--	--	--	<50	--	--	<50
141	10-15-66	--	--	--	--	--	--	--	--
142	04-09-45	--	--	--	--	--	--	--	--
143	11-10-66	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1), ¹	U.S. Geological Survey site identification ¹	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bid- ity (JTU)
142	404336119155402*	11-12-80	USGS	24.00	--	93,000	9.28	--	12.0	--
143	404338119313801	09-13-66	USGS	--	--	531	--	8.10	14.5	--
144	404434119261001*	01-10-80	USGS	--	448	--	7.99	--	12.0	--
145	404436119220201	08-22-79	USGS	--	--	--	--	--	14.5	--
146	404437119093901	01-01-75	--	--	2,150	--	8.60	--	36.5	--
147	404441119102301	09-02-47	USGS	130.00	--	1,980	--	8.40	20.0	--
148	404441119102302	06-12-61	USGS	125.00	--	1,410	--	7.40	33.5	--
149	404443119261401	11-10-66	USGS	--	--	427	--	8.10	13.5	--
150	404529118354501	06-11-61	USGS	35.00	--	767	--	7.30	15.5	--
151	404541117293201*	01-01-74	--	--	1,060	--	8.36	--	85.0	--
152	404602119063901	01-01-74	--	--	2,300	--	8.40	--	86.0	--
153	404618119065701*	04-28-80	USGS	--	2,250	--	8.27	--	86.5	--
154	404618119065702	04-28-80	--	--	2,240	--	8.27	--	86.5	--
155	404618119130001*	12-04-80	USGS	410.00	8,470	--	11.73	--	11.5	--
156	404628119245401	08-22-79	USGS	--	--	--	--	--	10.5	--
157	404651119223901*	01-01-74	--	--	1,800	--	7.91	--	80.0	--
158	404739119185901	08-02-67	USGS	78.00	--	840	--	8.20	14.0	--
159	404806119182901	12-13-61	USGS	200.00	--	703	--	7.30	13.0	--
160	404818117355001	07-24-63	USGS	--	--	460	--	7.70	11.0	--
161	404823119192801	12-13-61	--	--	703	--	--	--	13.0	--
162	404833119104601	05-03-61	USGS	--	--	5,150	--	7.80	22.0	--
163	404917119313901	10-15-66	USGS	--	--	325	--	7.90	16.5	--
164	404934118220101	02-26-61	USGS	153.00	--	814	--	8.40	--	--
165	404943117182101	05-05-77	USGS	--	--	1,020	--	7.10	34.0	--
166	405019117443301	05-15-73	NBLR	155.00	--	--	--	7.90	--	4
167	405040117481501	10-03-75	NBLR	--	--	--	--	8.50	--	3
168	405042119030001*	07-26-61	USGS	160.00	--	363	--	8.20	15.0	--
169	405042119030002*	11-11-80	USGS	322.00	32,100	--	9.78	--	13.0	--
170	405101119210501	11-10-80	USGS	24.00	47,700	--	9.48	--	13.5	--
171	405102119210501	12-13-61	USGS	--	--	755	--	7.20	22.0	--
172	405102119210501	12-13-61	USGS	--	--	755	--	7.20	22.0	--
173	405128119191601	05-03-61	USGS	--	--	1,840	--	9.00	--	--
174	405133117305701	11-29-61	USGS	88.00	--	2,020	--	8.30	16.5	--
175	405138119190501	01-01-75	--	--	2,100	--	8.40	--	32.5	--
176	405138119190502	01-01-75	--	--	2,100	--	8.40	--	35.0	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1), ¹	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, total (mg/L as CaCO ₃)	Calcium, total recovery (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total recovery (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total recovery (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, total recovery (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
142	11-12-80	12	--	--	1.7	--	1.8	--	31,000	4,000	--	--	170
143	09-13-66	26	BL	--	5.6	--	2.9	--	--	--	E130	--	--
144	01-10-80	140	--	--	47	--	5.7	--	22	.8	--	--	6.2
145	08-22-79	--	--	--	--	--	--	--	--	--	--	--	--
146	01-01-75	53	BL	--	21	--	.20	--	310	20	--	--	21
147	09-02-47	54	BL	--	15	--	4.0	--	270	17	--	--	9.0
148	06-12-61	35	BL	--	13	--	.60	--	270	21	--	--	8.4
149	11-10-66	150	63	--	50	--	5.6	--	--	--	E32	--	--
150	06-11-61	210	78	--	62	--	14	--	72	2	--	--	.80
151	01-01-74	44	BL	--	16	--	.90	--	200	14	--	--	18
152	01-01-74	63	BL	--	25	--	.20	--	460	27	--	--	9.3
153	04-28-80	--	--	--	14	--	<.10	--	470	--	--	--	10
154	04-28-80	--	--	--	--	--	--	--	--	--	--	--	--
155	12-04-80	230	--	--	89	--	<.10	--	2,300	.7	--	--	130
156	08-22-79	--	--	--	--	--	--	--	--	--	--	--	--
157	01-01-74	96	BL	--	31	--	4.2	--	340	16	--	--	17
158	08-02-67	150	BL	--	41	--	--	--	--	--	E140	--	--
159	12-13-61	110	--	--	30	--	9.5	--	110	5	--	--	2.2
160	07-24-63	160	24	--	49	--	8.9	--	32	1	--	--	2.8
161	12-13-61	110	BL	--	30	--	9.5	--	110	5	--	--	2.2
162	05-03-61	110	BL	--	12	--	19	--	1,200	49	--	--	15
163	10-15-66	79	BL	--	23	--	5.2	--	--	--	E47	--	--
164	02-26-61	110	BL	--	37	--	5.1	--	130	6	--	--	4.8
165	05-05-77	220	--	--	59	--	17	--	160	5	--	--	14
166	05-15-73	200	--	40	--	25	--	21	--	--	--	2.0	--
167	10-03-75	210	--	45	--	25	--	25	--	--	--	2.0	--
168	07-26-61	140	160	--	37	--	11	--	21	.8	--	--	1.4
169	11-11-80	10	--	--	3.0	--	.40	--	7,300	1,100	--	--	56
	11-10-80	78	--	--	6.1	--	15	--	11,000	550	--	--	150
170	12-13-61	270	83	--	72	--	21	--	54	1	--	--	10
171	12-13-61	270	--	--	72	--	21	--	54	1	--	--	10
172	05-03-61	64	BL	--	18	--	4.6	--	390	22	--	--	16
173	11-29-61	150	BL	--	30	--	18	--	390	14	--	--	28
174	01-01-75	71	BL	--	28	--	.20	--	380	21	--	--	17
175	01-01-75	61	BL	--	24	--	.20	--	380	22	--	--	17

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Alka- linity, wh wat, FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)
142	11-12-80	--	--	9,560	--	--	902	--	--
143	09-13-66	--	260	--	--	BL	--	--	--
144	01-10-80	--	--	92	--	--	BL	--	--
145	08-22-79	--	--	--	--	--	--	--	--
146	01-01-75	100	--	--	15	--	--	109	--
147	09-02-47	88	--	--	14	--	--	95	--
148	06-12-61	93	--	--	BL	--	--	76	--
149	11-10-66	--	104	--	--	BL	--	--	--
150	06-11-61	--	166	--	--	--	--	--	--
151	01-01-74	380	--	--	BL	--	--	316	--
152	01-01-74	150	--	--	--	--	--	126	--
153	04-28-80	--	--	137	--	--	1.0	110	--
154	04-28-80	--	--	--	--	--	--	--	--
155	12-04-80	--	--	--	--	--	--	--	--
156	08-22-79	--	--	--	--	--	--	--	--
157	01-01-74	460	--	--	4	--	--	382	--
158	08-02-67	--	244	--	--	BL	--	--	--
159	12-13-61	--	220	--	--	BL	--	--	--
160	07-24-63	--	165	--	--	BL	--	135	--
161	12-13-61	220	--	--	BL	--	--	180	--
162	05-03-61	1,210	--	--	BL	--	--	992	--
163	10-15-66	--	123	--	--	BL	--	--	--
164	02-26-61	--	152	--	--	4.0	--	--	--
165	05-05-77	--	500	--	--	BL	--	--	--
166	05-15-73	--	195	--	--	BL	--	--	160
167	10-03-75	--	149	--	--	24	--	--	170
168	07-26-61	--	136	--	--	BL	--	--	--
169	11-11-80	--	--	2,220	--	--	670	--	--
170	11-10-80	--	--	2,550	--	--	390	--	--
171	12-13-61	--	223	--	--	BL	--	183	--
172	12-13-61	220	--	--	BL	--	--	--	--
173	05-03-61	--	336	--	--	40	--	--	--
174	11-29-61	--	820	--	--	10	--	--	--
175	01-01-75	460	--	--	BL	--	--	377	--
176	01-01-75	460	--	--	BL	--	--	377	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Sulfide, dis- solved (mg/L as S)	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
142	11-12-80	BL	--	3,400	44,000	--	--	--	16	--	--
143	09-13-66	--	--	26	45	--	--	--	--	--	--
144	01-10-80	--	--	32	67	.10	--	--	13	--	--
145	08-22-79	--	--	--	--	--	--	--	--	--	--
146	01-01-75	--	--	140	290	3.0	--	--	86	--	--
147	09-02-47	--	--	160	270	--	--	--	100	880	--
148	06-12-61	--	--	160	280	2.8	--	--	94	--	--
149	11-10-66	--	--	34	69	--	--	--	--	--	--
150	06-11-61	--	--	66	110	.30	--	--	26	--	--
151	01-01-74	--	--	140	41	--	0.10	0.010	120	--	--
152	01-01-74	--	--	86	520	--	--	--	85	--	--
153	04-28-80	E0.4	--	170	550	4.4	--	--	83	--	--
154	04-28-80	--	--	--	--	--	--	--	2.0	--	--
155	12-04-80	BL	--	400	2,500	.10	--	--	--	--	--
156	08-22-79	--	--	--	--	--	--	--	--	--	--
157	01-01-74	--	--	46	240	7.0	.90	.010	82	--	--
158	08-02-67	--	--	76	130	--	--	--	--	--	--
159	12-13-61	--	--	41	86	.10	--	--	36	--	--
160	07-24-63	--	--	35	41	.30	--	--	44	299	--
161	12-13-61	--	--	41	86	.10	--	--	36	--	--
162	05-03-61	--	--	5.8	1,200	1.5	--	--	58	--	--
163	10-15-66	--	--	36	30	--	--	--	--	--	--
164	02-26-61	--	--	85	120	.60	--	--	62	520	--
165	05-05-77	--	--	91	36	1.7	--	--	35	--	--
166	05-15-73	--	56	--	15	--	--	--	--	--	275
167	10-03-75	--	52	--	20	.1	--	--	--	--	304
168	07-26-61	--	--	29	26	.10	--	--	25	--	--
169	11-11-80	BL	--	92	10,000	6.6	--	--	1.0	--	--
170	12-13-61	--	--	130	19,000	10	--	--	17	--	--
171	12-13-61	--	--	67	93	.10	--	--	89	549	--
172	05-03-61	--	--	67	93	.10	--	--	89	549	--
173	11-29-61	--	--	200	250	7.9	--	--	76	--	--
174	01-01-75	--	--	16	230	--	--	--	--	--	--
175	01-01-75	--	--	250	250	--	--	--	88	--	--
176	01-01-75	--	--	230	240	--	--	--	89	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued												
Map number (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, dis- solved (mg/L as N)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, dis- solved (mg/L as NO ₃)	Nitro- gen, ammonia, total (mg/L as N)	Phos- phorus, total (mg/L as PO ₄)	Arsenic, total (µg/L as As)	Arsenic, dis- solved (µg/L as As)			
142	11-12-80	85,100	--	--	--	--	--	--	--			
143	09-13-66	--	--	--	--	--	--	--	--			
144	01-10-80	239	--	--	--	--	--	--	--			
145	08-22-79	--	--	--	--	--	--	--	--			
146	01-01-75	958	--	--	--	--	--	--	--			
147	09-02-47	908	--	--	--	--	--	--	--			
148	06-12-61	871	0.050	--	0.22	--	--	--	--			
149	11-10-66	--	--	--	--	--	--	--	--			
150	06-11-61	434	--	--	.20	--	--	--	--			
151	01-01-74	734	--	--	--	0.400	0.04	--	60			
152	01-01-74	1,260	--	--	--	--	--	--	--			
153	04-28-80	--	--	--	--	--	--	--	--			
154	04-28-80	--	--	--	--	--	--	--	--			
155	12-04-80	--	--	--	--	--	--	--	--			
156	08-22-79	--	--	--	--	--	--	--	--			
157	01-01-74	1,000	--	--	--	.600	.04	--	<10			
158	08-02-67	--	--	--	--	--	--	--	--			
159	12-13-61	422	--	--	1.5	--	--	--	--			
160	07-24-63	301	1.50	--	6.6	--	--	--	--			
161	12-13-61	424	.340	--	1.5	--	--	--	--			
162	05-03-61	3,040	.250	--	1.1	--	--	--	--			
163	10-15-66	--	--	--	--	--	--	--	--			
164	02-26-61	531	--	--	.60	--	--	--	--			
165	05-05-77	660	--	--	--	--	--	--	--			
166	05-15-73	--	--	0.80	--	--	--	--	--			
167	10-03-75	--	--	1.4	--	--	--	BL	--			
168	07-26-61	217	--	--	1.7	--	--	--	--			
169	11-11-80	19,900	--	--	--	--	--	--	--			
169	11-10-80	32,400	--	--	--	--	--	--	--			
170	12-13-61	516	.070	--	.31	--	--	--	--			
171	12-13-61	514	--	--	.30	--	--	--	--			
172	05-03-61	1,210	--	--	.20	--	--	--	--			
173	11-29-61	1,150	--	--	--	--	--	--	--			
174	01-01-75	1,240	--	--	--	--	--	--	--			
175	01-01-75	1,210	--	--	--	--	--	--	--			

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued									
Map number (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Manga- nese (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)
142	11-12-80	--	--	--	2,200	--	120	--	--
143	09-13-66	--	--	--	--	--	--	--	--
144	01-10-80	--	<10	--	<10	--	<1	0.4	<3
145	08-22-79	--	--	--	--	--	--	--	--
146	01-01-75	600	--	--	--	--	--	--	--
147	09-02-47	1	--	--	--	--	--	--	--
148	06-12-61	--	--	--	--	--	--	--	--
149	11-10-66	--	--	--	--	--	--	--	--
150	06-11-61	--	--	--	--	--	--	--	--
151	01-01-74	2,600	70	--	180	--	60	--	--
152	01-01-74	--	--	--	--	--	--	--	--
153	04-28-80	--	<25	--	<25	--	3	.3	<8
154	04-28-80	--	--	--	--	--	--	BL	63
155	12-04-80	--	11	--	70	--	10	--	--
156	08-22-79	--	--	--	--	--	--	--	--
157	01-01-74	1,900	30	--	130	--	<20	<.1	--
158	08-02-67	--	--	--	--	--	--	--	--
159	12-13-61	400	--	--	--	--	--	--	--
160	07-24-63	100	--	--	--	--	--	--	--
161	12-13-61	400	--	--	--	--	--	--	--
162	05-03-61	4,500	--	--	--	--	--	--	--
163	10-15-66	--	--	--	--	--	--	--	--
164	02-26-61	1,000	--	--	--	--	--	--	--
165	05-05-77	--	--	--	--	--	--	--	--
166	05-15-73	--	--	--	--	40	--	--	--
167	07-26-61	BL	--	BL	40	--	BL	--	--
168	11-11-80	--	--	--	370	--	30	BL	--
169	11-10-80	--	--	--	1,300	--	90	.1	--
170	12-13-61	100	--	--	--	--	--	--	--
171	12-13-61	100	--	--	--	--	--	--	--
172	05-03-61	210	--	--	--	--	--	--	--
173	11-29-61	5,700	--	--	--	--	--	--	--
174	01-01-75	--	--	--	--	--	--	--	--
175	01-01-75	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1)	U.S. Geological survey site identification 1)	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Spe- cific con- duct- ance (μ S/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bid- ity (JTU)
176	405138119190506	01-01-75	--	--	1,800	8.40	--	96.0	--	--
177	405138119190507	01-01-75	--	--	1,950	7.20	--	94.0	--	--
178	405138119190508	01-01-75	--	--	2,300	7.10	--	91.0	--	--
179	405138119190509	01-01-75	--	--	2,060	7.90	--	33.5	--	--
180	405138119190510	01-01-75	--	--	2,100	7.90	--	32.0	--	--
181	405138119190511	01-01-75	--	--	2,250	7.10	--	82.0	--	--
182	405138119190512	01-01-75	--	--	2,100	8.00	--	32.0	--	--
183	405145119163301	06-15-67	USGS	22.00	--	--	8.10	14.0	--	--
184	405149119175801	05-12-67	USGS	--	435	--	7.60	19.0	--	--
185	405157119145401	08-03-67	USGS	42.00	4,200	8.40	--	15.0	--	--
186	405157119182001	12-12-61	USGS	123.00	--	--	7.90	16.0	--	--
187	405200119205401*	01-01-78	--	--	409	8.10	--	87.0	--	--
188	405211117592301	04-24-62	USGS	18.00	--	--	8.30	14.5	--	--
189	405211119162002	06-15-67	USGS	66.00	1,250	--	8.20	14.5	--	--
190	405216119160701	08-03-67	USGS	15.00	670	--	8.00	13.0	--	--
191	405221119100801*	07-15-80	USGS	320.00	10,300	8.41	--	15.0	--	--
192	405223117561101	07-18-61	USGS	--	4,080	--	8.30	28.0	--	--
193	405233119151901	08-03-67	USGS	44.00	1,100	--	8.20	18.0	--	--
194	405239119061101*	10-08-80	USGS	320.00	18,200	7.32	--	13.0	--	--
195	405247119174501	05-03-61	USGS	190.00	366	--	7.70	16.5	--	--
196	405249117453401	10-29-77	NBLR	185.00	--	--	7.90	--	3	BL
197	405255117490201	04-25-62	USGS	58.00	2,980	--	7.30	14.0	--	--
198	405257117500301	07-26-61	USGS	73.00	1,810	--	8.10	15.0	--	--
199	405305119200001	07-25-67	USGS	321.00	480	8.20	--	--	--	--
200	405308119200401	08-03-67	USGS	66.00	730	--	8.20	--	--	--
201	405312117465501	04-26-62	USGS	360.00	--	--	7.60	15.0	--	--
202	405312117583601	07-19-61	USGS	18.00	1,640	--	8.10	14.5	--	--
203	405312119185401	04-24-62	USGS	--	1,020	--	7.50	14.0	--	--
204	405329119185401	09-28-67	--	280.00	420	8.30	--	25.0	--	--
205	405336117470901*	05-12-67	USGS	158.00	509	--	7.30	21.0	--	--
206	405340117482401	07-19-71	NBLR	110.00	--	--	8.00	--	2	BL
207	405413117482101	06-10-81	NBLR	52.00	--	--	7.80	--	3	BL
208	405420117544201	04-26-62	USGS	160.00	597	--	7.40	14.0	--	--
		11-17-50	USGS	18.00	364	--	7.80	--	--	--
		11-29-61	USGS	--	997	--	8.30	13.0	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, 1) (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld (mg/L as CaCO ₃)	Calcium, total recov- erable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total recov- erable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total recov- erable (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, total recov- erable (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
176	01-01-75	56	BL	--	22	--	0.20	--	390	24	--	--	17
177	01-01-75	56	BL	--	22	--	.20	--	400	25	--	--	17
178	01-01-75	71	BL	--	28	--	.20	--	400	22	--	--	18
179	01-01-75	43	BL	--	17	--	.20	--	440	31	--	--	16
180	01-01-75	46	BL	--	18	--	.20	--	430	29	--	--	15
181	01-01-75	61	BL	--	24	--	.20	--	400	24	--	--	14
182	01-01-75	51	BL	--	20	--	.20	--	400	26	--	--	17
183	06-15-67	100	BL	--	22	--	--	--	--	--	E87	--	--
184	05-12-67	110	BL	--	30	--	8.4	--	46	2	--	--	9.5
185	08-03-67	110	BL	--	18	--	17	--	800	33	870	--	23
186	12-12-61	110	BL	--	27	--	10	--	38	2	--	--	8.8
187	01-01-78	62	--	--	18	--	4.0	--	320	18	--	--	13
188	04-24-62	280	BL	--	61	--	32	--	190	5	--	--	15
189	06-15-67	120	BL	--	30	--	--	--	--	--	E83	--	--
190	08-03-67	42	BL	--	10	--	--	--	--	--	E160	--	--
191	07-15-80	40	--	--	4.7	--	6.8	--	2,700	190	--	--	7.5
192	07-18-61	210	BL	--	17	--	40	--	920	28	--	--	94
193	08-03-67	26	BL	--	6.4	--	--	--	--	--	E260	--	--
194	10-08-80	2,300	--	--	110	--	480	--	3,900	36	--	--	50
195	05-03-61	100	BL	--	26	--	9.7	--	33	1	--	--	7.1
196	10-29-77	170	--	35	--	21	--	22	--	--	--	3.0	--
197	04-25-62	860	590	--	220	--	74	--	270	4	--	--	11
198	07-26-61	420	250	--	100	--	40	--	190	4	--	--	5.2
199	07-25-67	160	BL	--	39	--	14	--	53	2	66	--	13
200	08-03-67	140	BL	--	36	--	--	--	--	--	E120	--	--
201	04-26-62	130	8	--	30	--	13	--	21	.8	--	--	1.8
202	07-19-61	720	580	--	190	--	62	--	110	2	--	--	20
203	04-24-62	340	200	--	91	--	27	--	90	2	--	--	14
204	09-28-67	130	BL	--	31	--	13	--	42	2	59	--	17
205	05-12-67	170	22	--	44	--	14	--	35	1	--	--	8.9
206	07-19-71	150	--	43	--	10	--	--	--	--	23	--	--
207	06-10-81	150	--	41	--	11	--	16	--	--	--	2.0	--
208	04-26-62	220	BL	--	61	--	17	--	44	1	--	--	6.4
209	11-17-50	150	BL	--	42	--	11	--	19	.7	--	--	1.9
210	11-29-61	270	130	--	66	--	26	--	90	2	--	--	17

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued										
Map number 1) ¹	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Alka- linity, wh wat, FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)	
176	01-01-75	460	--	--	BL	--	--	376	--	
177	01-01-75	450	--	--	BL	--	--	373	--	
178	01-01-75	440	--	--	BL	--	--	361	--	
179	01-01-75	460	--	--	BL	--	--	376	--	
180	01-01-75	440	--	--	BL	--	--	365	--	
181	01-01-75	440	--	--	BL	--	--	361	--	
182	01-01-75	470	--	--	BL	--	--	387	--	
183	06-15-67	--	194	--	--	BL	--	--	--	
184	05-12-67	--	178	--	--	BL	--	--	--	
185	08-03-67	--	548	--	--	45	--	524	--	
186	12-12-61	--	176	--	--	BL	--	144	--	
187	01-01-78	--	--	--	--	--	--	215	--	
188	04-24-62	--	384	--	--	10	--	--	--	
189	06-15-67	--	196	--	--	BL	--	--	--	
190	08-03-67	--	314	--	--	BL	--	--	--	
191	07-15-80	--	--	1480	--	--	19	--	--	
192	07-18-61	--	1940	--	--	41	--	--	--	
193	08-03-67	--	284	--	--	BL	--	--	--	
194	10-08-80	--	--	1050	--	--	1.0	--	--	
195	05-03-61	--	159	--	--	BL	--	130	--	
196	10-29-77	--	185	--	--	BL	--	--	152	
197	04-25-62	--	325	--	--	BL	--	--	--	
198	07-26-61	--	204	--	--	BL	--	--	--	
199	07-25-67	--	202	--	--	BL	--	166	--	
200	08-03-67	--	262	--	--	BL	--	--	--	
201	04-26-62	--	150	--	--	BL	--	--	--	
202	07-19-61	--	166	--	--	BL	--	--	--	
203	04-24-62	--	164	--	--	BL	--	--	--	
204	09-28-67	170	--	--	BL	--	--	141	--	
205	05-12-67	180	--	--	BL	--	--	146	--	
206	07-19-71	--	178	--	--	BL	--	--	146	
207	06-10-81	--	156	--	--	BL	--	--	128	
208	04-26-62	--	292	--	--	BL	--	--	--	
209	11-17-50	--	183	--	--	BL	--	--	--	
210	11-29-61	--	161	--	--	3.0	--	--	--	

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1) (plate 1)	Date	Sulfide, dis- solved (mg/L as S)	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
176	01-01-75	--	--	190	270	--	7.0	90	--	--
177	01-01-75	--	--	200	250	--	--	90	--	--
178	01-01-75	--	--	200	240	--	--	88	--	--
179	01-01-75	--	--	210	260	--	--	90	--	--
180	01-01-75	--	--	210	250	--	--	82	--	--
181	01-01-75	--	--	390	250	--	7.0	86	--	--
182	01-01-75	--	--	160	240	--	--	82	--	--
183	06-15-67	--	--	70	41	--	--	--	--	--
184	03-12-67	--	--	18	34	--	.10	67	--	--
185	08-03-67	--	--	390	760	--	--	--	--	--
186	12-12-61	--	--	20	27	--	.10	69	304	--
187	01-01-78	--	--	48	270	--	--	84	--	--
188	04-24-62	--	--	210	82	--	--	--	--	--
189	06-15-67	--	--	82	41	--	--	--	--	--
190	08-03-67	--	--	73	44	--	--	--	--	--
191	07-15-80	BL	--	12	2,700	--	1.7	51	--	--
192	07-18-61	--	--	120	380	--	12	50	--	--
193	08-03-67	--	--	160	140	--	--	--	--	--
194	10-08-80	BL	--	100	6,100	--	.30	65	--	--
195	05-03-61	--	--	20	25	--	.20	66	266	--
196	10-29-77	--	57	--	14	0.4	--	--	--	255
197	04-25-62	--	--	9.0	830	--	--	--	--	--
198	07-26-61	--	--	210	320	--	.10	39	--	--
199	07-25-67	--	--	62	48	--	--	35	--	--
200	08-03-67	--	--	81	71	--	--	--	--	--
201	04-26-62	--	--	36	16	--	--	--	--	--
202	07-19-61	--	--	680	63	--	--	--	--	--
203	04-24-62	--	--	280	60	--	--	--	--	--
204	09-28-67	--	--	56	38	--	--	--	--	--
204	05-12-67	--	--	42	46	--	.10	60	--	--
205	07-19-71	--	29	--	14	.4	--	--	--	222
206	06-10-81	--	31	--	12	.5	--	--	--	230
207	04-26-62	--	--	49	20	--	--	--	--	--
207	11-17-50	--	--	30	12	--	.50	44	--	--
208	11-29-61	--	--	110	160	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, total (mg/L as NO ₃)	Phos- phorus, total (mg/L as PO ₄)	Arsenic, total (µg/L as As)	Arsenic, dis- solved (µg/L as As)
176	01-01-75	1,210	--	--	--	--	--
177	01-01-75	1,210	--	--	--	--	--
178	01-01-75	1,200	--	--	--	--	--
179	01-01-75	1,270	--	--	--	--	--
180	01-01-75	1,230	--	--	--	--	--
181	01-01-75	1,400	--	--	--	--	--
182	01-01-75	1,160	--	--	--	--	--
183	06-15-67	--	--	--	--	--	--
184	05-12-67	301	--	0.50	--	--	--
185	08-03-67	2,370	--	--	--	--	--
186	12-12-61	287	0.090	.40	--	--	--
187	01-01-78	893	--	--	0.04	--	<50
188	04-24-62	803	--	1.1	--	--	--
189	06-15-67	--	--	--	--	--	--
190	08-03-67	--	--	--	--	--	--
191	07-15-80	6,250	--	--	--	--	--
192	07-18-61	2,690	--	.80	--	--	--
193	08-03-67	--	--	--	--	--	--
194	10-08-80	11,300	--	--	--	--	--
195	05-03-61	266	.110	.49	--	--	--
196	10-29-77	--	--	--	--	BL	--
197	04-25-62	1,580	--	--	--	--	--
198	07-26-61	1,020	--	2.4	--	--	--
199	07-25-67	363	--	--	--	--	--
200	08-03-67	--	--	--	--	--	--
201	04-26-62	192	--	--	--	--	--
202	07-19-61	1,200	--	--	--	--	--
203	04-24-62	643	--	--	--	--	--
204	09-28-67	282	--	--	--	--	--
204	05-12-67	339	.270	1.2	--	--	--
205	07-19-71	--	--	--	--	--	--
206	06-10-81	--	--	1.7	--	BL	--
206	04-26-62	341	--	2.8	--	--	--
207	11-17-50	250	--	--	--	--	--
208	11-29-61	554	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Iron (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Manga- nese (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)
176	01-01-75	900	--	--	--	--	--	--	--	--
177	01-01-75	500	--	--	--	--	--	--	--	--
178	01-01-75	--	--	--	--	--	--	--	--	--
179	01-01-75	6,600	--	--	--	--	--	--	--	--
180	01-01-75	5,400	--	--	--	--	--	--	--	--
181	01-01-75	600	--	--	--	--	--	--	--	--
182	01-01-75	5,200	--	--	--	--	--	--	--	--
183	06-15-67	--	--	--	--	--	--	--	--	--
184	05-12-67	100	--	20	--	--	--	--	--	--
185	08-03-67	--	--	--	--	--	--	--	--	--
186	12-12-61	100	--	--	--	--	--	--	--	--
187	01-01-78	2	190	--	130	--	<10	--	<4.0	6
188	04-24-62	2,000	--	--	--	--	--	--	--	--
189	06-15-67	--	--	--	--	--	--	--	--	--
190	08-03-67	--	--	--	--	--	--	--	--	--
191	07-15-80	--	<10	--	640	--	24	--	.9	50
192	07-18-61	15,000	--	10	--	--	--	--	--	--
193	08-03-67	--	--	--	--	--	--	--	--	--
194	10-08-80	--	<10	--	10,000	--	160	--	.1	120
195	05-03-61	200	--	--	--	--	--	--	--	--
196	10-29-77	--	--	--	--	20	--	10	--	--
197	04-25-62	200	--	--	--	--	--	--	--	--
198	07-26-61	100	--	40	--	--	--	--	--	--
199	07-25-67	--	--	--	--	--	--	--	--	--
200	08-03-67	--	--	--	--	--	--	--	--	--
201	04-26-62	200	--	--	--	--	--	--	--	--
202	07-19-61	--	--	--	--	--	--	--	--	--
203	04-24-62	400	--	--	--	--	--	--	--	--
204	09-28-67	--	--	--	--	--	--	--	--	--
205	05-12-67	BL	--	20	--	--	--	--	--	--
206	07-19-71	--	--	--	--	40	--	--	--	--
207	06-10-81	--	--	--	--	10	--	BL	--	--
208	04-26-62	300	--	--	--	--	--	--	--	--
209	11-17-50	100	--	20	--	--	--	--	--	--
210	11-29-61	100	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1) ¹	U.S. Geological Survey site identification ¹	Date	Agency ana- lyzing sample (abbrevi- ated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bid- ity (JTU)
209	405420119194501	07-25-67	USGS	321.00	440	--	8.20	--	24.0	--	--
210	405423119081501*	07-16-80	USGS	140.00	25,700	--	7.62	--	15.0	--	--
211	405428117464701	07-25-61	USGS	280.00	--	395	--	8.20	16.5	--	--
212	405431117455601	01-27-77	NBLR	140.00	--	--	--	7.90	--	7	2
213	405437119163701	10-27-67	USGS	62.00	--	790	--	7.50	14.0	--	--
214	405443117461401	07-25-61	USGS	300.00	--	428	--	8.00	--	--	--
215	405446118590401*	04-26-62	USGS	--	12,500	425	--	7.40	15.0	--	--
216	405455117500601	07-15-80	USGS	100.00	--	394	8.22	--	21.0	--	--
		07-25-61	USGS	--	--	389	--	8.20	18.0	--	--
		04-25-62	USGS	--	--	--	--	7.60	18.0	--	--
217	405501119185601	05-03-61	USGS	377.00	--	339	--	7.80	18.5	--	--
218	405501119331701	10-15-66	USGS	--	--	209	--	7.80	17.0	--	--
219	405512117513901	04-25-62	USGS	97.00	--	906	--	8.00	13.0	--	--
220	405521117063401*	01-01-74	--	--	1,400	--	8.00	--	58.0	--	--
221	405532119185301	05-12-67	USGS	402.00	--	380	--	7.10	17.0	--	--
222	405544117493501	04-25-62	USGS	50.00	--	879	--	7.60	--	--	--
223	405609119055401*	07-17-80	USGS	320.00	20,100	--	7.52	--	14.0	--	--
224	405610119213901	01-01-75	--	--	288	--	7.40	--	23.0	--	--
225	405618117451601	07-26-61	USGS	129.00	--	401	--	8.30	--	--	--
226	405628117493501	07-16-61	USGS	22.00	--	805	--	8.40	13.0	--	--
		11-30-61	USGS	--	--	706	--	8.30	13.0	--	--
227	405632119181601	06-16-67	USGS	310.00	480	--	8.10	--	25.5	--	--
228	405651118105301	11-01-60	USGS	94.00	--	806	--	8.00	--	--	--
		02-26-61	USGS	--	--	858	--	8.00	15.0	--	--
229	405711117292201	06-24-71	NBLR	135.00	--	--	--	7.60	--	3	BL
230	405711118595801*	07-08-80	USGS	--	6,620	--	6.99	--	89.0	--	--
231	405712118595701*	06-10-80	USGS	--	2,360	--	8.18	--	45.5	--	--
232	405713117511701	04-27-62	USGS	88.00	--	733	--	7.20	15.5	--	--
233	405715117292201*	02-20-74	--	--	942	--	--	7.03	43.0	--	--
234	405719117470301	07-20-61	USGS	72.00	--	821	--	7.90	15.5	--	--
235	405733119195701	05-12-67	USGS	285.00	--	559	--	7.20	13.0	--	--
236	405740117293601*	12-02-61	USGS	--	--	845	--	8.20	64.5	--	--
		01-01-74	--	--	810	--	6.53	--	74.0	--	--
		01-01-78	--	--	--	--	7.80	--	68.0	--	--
237	405740117393901	07-27-61	USGS	68.00	--	778	--	7.80	11.0	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1 (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, total (mg/L as CaCO ₃)	Calcium, total reco- verable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total reco- verable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total reco- verable (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sor- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, total reco- verable (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
209	07-25-67	140	BL	--	34	--	13	--	44	2	61	--	16
210	07-16-80	1,000	--	--	34	--	240	--	4,900	65	--	--	86
211	07-25-61	160	23	--	38	--	16	--	21	.7	--	--	1.1
212	01-27-77	160	--	50	--	9.0	--	12	--	--	--	1.0	--
213	10-27-67	22	BL	--	7.4	--	--	--	--	--	E180	--	--
214	07-25-61	200	49	--	59	--	12	--	13	.4	--	--	1.2
215	04-26-62	190	46	--	59	--	11	--	12	.4	--	--	.90
216	07-15-80	230	--	--	40	--	31	--	3,000	89	--	--	120
216	07-25-61	150	--	--	46	--	9.2	--	20	.7	--	--	3.3
216	04-25-62	160	16	--	45	--	11	--	20	.7	--	--	3.5
217	05-03-61	99	BL	--	25	--	9.0	--	32	1	--	--	4.7
218	10-15-66	66	BL	--	16	--	6.3	--	--	--	E27	--	--
219	04-25-62	160	BL	--	45	--	11	--	160	6	--	--	6.0
220	01-01-74	93	BL	--	29	--	5.0	--	290	14	--	--	33
221	05-12-67	89	BL	--	21	--	8.8	--	43	2	--	--	7.8
222	04-25-62	240	BL	--	72	--	14	--	110	3	--	--	8.4
223	07-17-80	1,400	--	--	34	--	320	--	3,800	44	--	--	85
224	01-01-75	39	BL	--	9.0	--	4.0	--	21	2	--	--	7.0
225	07-26-61	130	15	--	38	--	9.5	--	30	1	--	--	1.8
226	07-16-61	190	BL	--	50	--	16	--	97	3	--	--	11
227	11-30-61	160	BL	--	44	--	13	--	90	3	--	--	11
227	06-16-67	8	BL	--	--	--	.90	--	82	13	120	--	39
228	11-01-60	91	BL	--	24	--	7.5	--	140	7	--	--	6.8
228	02-26-61	110	BL	--	28	--	8.8	--	150	6	--	--	8.2
229	06-24-71	200	--	63	--	11	--	--	--	--	250	--	--
230	07-08-80	74	--	--	23	--	3.4	--	1,500	81	--	--	19
231	06-10-80	77	--	--	23	--	4.7	--	420	22	--	--	26
232	04-27-62	240	BL	--	77	--	11	--	62	2	--	--	8.6
233	02-20-74	150	--	--	47	--	7.8	--	160	6	--	--	24
234	07-20-61	250	BL	--	76	--	15	--	78	2	--	--	6.8
235	05-12-67	200	30	--	46	--	20	--	40	1	--	--	5.1
236	12-02-61	120	BL	--	35	--	8.4	--	150	6	--	--	23
236	01-01-74	110	BL	--	33	--	6.8	--	130	6	--	--	22
236	01-01-78	110	BL	--	34	--	6.6	--	130	6	--	--	20
237	07-27-61	320	120	--	94	--	21	--	34	.9	--	--	2.5

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Bicar- bonate, FET-LAB (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Car- bonate, FET-LAB (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)
209	07-25-67	--	174	--	--	--	BL	--	--	143	--
210	07-16-80	--	--	2,160	--	--	--	5.0	--	--	--
211	07-25-61	--	170	--	--	--	BL	--	--	--	--
212	01-27-77	--	159	--	--	--	BL	--	--	130	--
213	10-27-67	--	237	--	--	--	BL	--	--	--	--
214	07-25-61	--	182	--	--	--	BL	--	--	--	--
215	04-26-62	--	178	--	--	--	BL	--	--	--	--
216	07-15-80	--	--	2,700	--	--	--	22	--	--	--
217	04-25-62	--	180	--	--	--	BL	--	--	--	--
218	05-03-61	--	148	--	--	--	BL	--	--	121	--
219	10-15-66	--	107	--	--	--	BL	--	--	--	--
220	04-25-62	--	401	--	--	--	BL	--	--	675	--
221	01-01-74	820	--	--	--	--	BL	--	--	--	--
222	05-12-67	--	159	--	--	--	BL	--	--	--	--
223	04-25-62	--	364	--	--	--	BL	--	--	--	--
224	07-17-80	--	--	2,270	--	BL	--	4.0	--	--	--
225	01-01-75	75	--	--	--	--	6.0	--	--	62	--
226	07-26-61	--	133	--	--	--	--	--	--	--	--
227	07-16-61	--	282	--	--	--	18	--	--	--	--
228	11-30-61	--	293	--	--	--	5.0	--	--	--	--
229	06-16-67	--	166	--	--	--	BL	--	--	136	--
230	11-01-60	--	238	--	--	--	BL	--	--	--	--
231	02-26-61	--	250	--	--	--	BL	--	--	--	--
232	06-24-71	--	595	--	--	--	BL	--	--	--	488
233	07-08-80	--	--	933	--	--	--	BL	--	--	--
234	06-10-80	--	--	120	--	--	--	1.0	--	--	--
235	04-27-62	--	302	--	--	--	BL	--	--	--	--
236	02-20-74	--	--	--	530	--	--	--	BL	--	--
237	07-20-61	--	342	--	--	--	BL	--	--	--	--
238	05-12-67	200	--	--	--	BL	--	--	--	168	--
239	12-02-61	--	448	--	--	BL	--	--	--	--	--
240	01-01-74	430	--	--	--	<1	--	--	--	352	--
241	01-01-78	430	--	--	--	BL	--	--	--	355	--
242	07-27-61	--	245	--	--	--	BL	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1 (plate 1)	Date	Sulfide, dis- solved (mg/L as S)	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
209	07-25-67	--	--	61	48	--	--	--	--	34	--	--
210	07-16-80	BL	--	23	9,400	--	0.90	--	--	63	--	--
211	07-25-61	--	--	38	15	--	.20	--	--	20	--	--
212	01-27-77	--	37	--	16	0.5	--	--	--	--	--	246
213	10-27-67	--	--	67	100	--	--	--	--	--	--	--
214	07-25-61	--	--	51	19	--	.40	--	--	16	--	--
215	04-26-62	--	--	48	18	--	--	--	--	--	--	--
216	07-15-80	--	--	560	2,600	--	6.2	--	--	59	--	--
217	07-25-61	--	--	28	13	--	.30	--	--	50	--	--
218	04-25-62	--	--	39	15	--	--	--	--	--	--	--
219	05-03-61	--	--	16	23	--	.20	--	--	61	245	--
220	10-15-66	--	--	18	14	--	--	--	--	--	--	--
221	04-25-62	--	--	79	40	--	--	--	--	80	--	--
222	01-01-74	--	--	60	28	--	--	--	--	65	--	--
223	05-12-67	--	--	22	29	--	.20	--	--	--	--	--
224	04-25-62	--	--	79	67	--	--	--	--	--	--	--
225	07-17-80	BL	--	14	7,200	--	.70	--	--	54	--	--
226	01-01-75	--	--	12	13	--	.10	--	--	64	--	--
227	07-26-61	--	--	39	32	--	.30	--	--	36	--	--
228	07-16-61	--	--	77	52	--	.80	--	--	42	--	--
229	11-30-61	--	--	68	40	--	.80	--	--	44	--	--
230	06-16-67	--	--	77	44	--	--	--	--	--	--	--
231	11-01-60	--	--	--	75	--	--	--	--	--	--	--
232	02-26-61	--	--	100	85	--	.60	--	--	29	532	--
233	06-24-71	--	150	--	72	3.0	--	--	--	--	--	894
234	07-08-80	BL	--	280	1,700	--	5.8	--	--	100	--	--
235	06-10-80	BL	--	180	570	--	1.1	--	--	53	--	--
236	04-27-62	--	--	3.0	84	--	--	--	--	--	--	--
237	02-20-74	--	--	57	27	--	2.9	--	--	40	--	--
238	07-20-61	--	--	74	57	--	.50	--	--	32	--	--
239	05-12-67	--	--	69	33	--	.10	--	--	42	--	--
240	12-02-61	--	--	56	20	--	2.0	--	--	59	--	--
241	01-01-74	--	--	56	18	--	1.8	0.020	0.005	66	--	--
242	01-01-78	--	--	48	20	--	--	--	--	140	--	--
243	07-27-61	--	--	140	45	--	BL	--	--	24	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued												
Map number (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, total (mg/L as NO ₃)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, ammonia, total (mg/L as N)	Nitro- gen, ammonia, dis- solved (mg/L as N)	Phos- phorus, total (mg/L as PO ₄)	Phos- phorus, dis- solved (mg/L as PO ₄)	Arsenic, total (μg/L as As)	Arsenic, dis- solved (μg/L as As)	
209	07-25-67	336	--	--	--	--	--	--	--	--	--	--
210	07-16-80	15,800	--	--	--	--	--	--	--	--	--	--
211	07-25-61	233	--	--	2.2	--	--	--	--	--	--	--
212	01-27-77	--	--	0.80	--	--	--	--	--	BL	--	--
213	10-27-67	--	--	--	--	--	--	--	--	--	--	--
214	07-25-61	261	--	--	.60	--	--	--	--	--	--	--
215	04-26-62	236	--	--	--	--	--	--	--	--	--	--
216	07-15-80	7,790	--	--	--	--	--	--	--	--	--	--
216	07-25-61	258	--	--	--	--	--	--	--	--	--	--
216	04-25-62	219	--	--	--	--	--	--	--	--	--	--
217	05-03-61	244	0.110	--	.49	--	--	--	--	--	--	--
218	10-15-66	--	--	--	--	--	--	--	--	--	--	--
219	04-25-62	536	--	--	13	--	--	--	--	--	--	--
220	01-01-74	928	--	--	--	--	--	--	--	--	--	--
221	05-12-67	275	--	--	.10	--	--	--	--	--	--	--
222	04-25-62	531	--	--	--	--	--	--	--	--	--	--
223	07-17-80	12,600	--	--	--	--	--	--	--	--	--	--
224	01-01-75	167	--	--	--	--	--	--	--	--	--	--
225	07-26-61	264	--	--	3.8	--	--	--	--	--	--	--
226	07-16-61	521	--	--	BL	--	--	--	--	--	--	--
227	11-30-61	465	--	--	.40	--	--	--	--	--	--	--
227	06-16-67	326	--	--	--	--	--	--	--	--	--	--
228	11-01-60	--	--	--	--	--	--	--	--	--	--	--
228	02-26-61	534	--	--	3.2	--	--	--	--	--	--	--
229	06-24-71	--	--	2.0	--	--	--	--	--	--	--	--
230	07-08-80	4,090	--	--	--	--	--	--	--	--	--	--
231	06-10-80	1,340	--	--	--	--	--	--	--	--	--	--
232	04-27-62	394	--	--	--	--	--	--	--	--	--	--
233	02-20-74	627	.050	--	.22	--	0.620	--	<0.10	--	1	--
234	07-20-61	508	--	--	BL	--	--	--	--	--	--	--
235	05-12-67	356	.090	--	.40	--	--	--	--	--	--	--
236	12-02-61	571	--	--	.40	--	--	--	--	--	--	--
236	01-01-74	547	--	--	--	0.300	--	0.04	--	--	20	--
236	01-01-78	620	--	--	--	--	--	.20	--	--	<25	--
237	07-27-61	482	--	--	3.1	--	--	--	--	--	--	--

TABLE 6.---Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total, recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Iron (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Manga- nese (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)
209	07-25-67	--	--	--	--	--	--	--	--	--
210	07-16-80	--	--	--	390	--	70	--	BL	--
211	07-25-61	100	--	BL	--	--	--	--	--	--
212	01-27-77	--	--	--	--	600	--	10	--	--
213	10-27-67	--	--	--	--	--	--	--	--	--
214	07-25-61	BL	--	BL	--	--	--	--	--	--
215	04-26-62	BL	--	--	--	--	--	--	--	--
216	07-15-80	--	61	--	51	--	25	--	0.3	13
217	07-25-61	--	--	--	--	--	--	--	--	--
218	04-25-62	BL	--	--	--	--	--	--	--	--
219	05-03-61	100	--	--	--	--	--	--	--	--
220	10-15-66	--	--	--	--	--	--	--	--	--
221	04-25-62	1,600	--	--	--	--	--	--	--	--
222	01-01-74	--	--	--	--	--	--	--	--	--
223	05-12-67	100	--	220	--	--	--	--	--	--
224	04-25-62	300	--	--	--	--	--	--	--	--
225	07-17-80	--	--	--	220	--	90	--	.9	--
226	01-01-75	100	--	--	--	--	--	--	--	--
227	07-26-61	100	--	BL	--	--	--	--	--	--
228	07-16-61	400	--	30	--	--	--	--	--	--
229	11-30-61	400	--	BL	--	--	--	--	--	--
230	06-16-67	--	--	--	--	--	--	--	--	--
231	11-01-60	--	--	--	--	--	--	--	--	--
232	02-26-61	1,100	--	--	--	--	--	--	--	--
233	06-24-71	--	--	--	--	40	--	--	--	--
234	07-08-80	--	27	--	18	--	2	--	.2	16
235	06-10-80	--	20	--	<10	--	2	--	.2	6
236	04-27-62	400	--	--	790	--	96	--	<.5	68
237	02-20-74	--	<20	--	--	--	--	--	--	--
238	07-20-61	200	--	20	--	--	--	--	--	--
239	05-12-67	100	--	20	--	--	--	--	--	--
240	12-02-61	1,300	--	BL	--	--	--	--	--	--
241	01-01-74	1,100	50	--	220	--	100	--	<.5	--
242	01-01-78	1,400	190	--	<30	--	<10	--	<10	16
243	07-27-61	200	--	BL	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological Survey site identification	Date	Agency ana- lyzing sample (abbrev- iated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bid- ity (JTU)
238	405744117292600	05-05-77	USGS	--	--	870	--	7.00	60.0	--	--
239	405751117471201	07-20-61	USGS	87.00	--	822	--	8.40	20.0	--	--
240	405753117471001	03-29-71	NBLR	135.00	--	--	--	8.10	--	3	BL
241	405753117471002	03-11-71	NBLR	195.00	--	--	--	7.40	--	3	BL
242	405757117450501	07-24-61	USGS	495.00	--	728	--	7.90	23.0	--	--
243	405801117461701	11-30-61	USGS	31.00	--	797	--	8.30	13.5	--	--
244	405805117431701	07-27-61	USGS	245.00	--	1,210	--	7.90	16.5	--	--
245	405807119003601	05-03-61	USGS	--	--	2,050	--	7.90	58.0	--	--
246	405813118230501	02-27-61	USGS	140.00	--	1,370	--	7.60	15.0	--	--
247	405826119002501*	06-24-80	USGS	--	2,130	--	7.52	--	77.0	--	--
248	405908119003301*	06-30-81	USGS	--	4,110	--	9.83	--	24.0	--	--
249	405921117422501	07-27-61	USGS	319.00	--	664	--	8.20	16.5	--	--
250	405934119055801*	08-04-80	USGS	290.00	26,500	--	7.61	--	17.0	--	--
251	405942119003201*	06-16-81	USGS	--	12,300	--	8.01	--	28.0	--	--
252	410012119005801*	06-17-80	USGS	--	1,670	--	7.32	--	87.0	--	--
253	410045119005501*	06-16-80	USGS	--	1,540	--	7.10	--	46.5	--	--
254	410054119005501*	06-16-80	--	--	1,290	--	--	--	79.5	--	--
255	410054119005901	06-16-80	USGS	--	1,320	--	7.29	--	78.0	--	--
256	410105119074701*	02-29-80	USGS	60.00	1,520	--	8.18	--	17.0	--	--
257	410114117190501	08-08-61	USGS	--	--	2,340	--	9.20	21.0	--	--
258	410118119034801*	07-28-80	USGS	318.00	14,900	--	7.72	--	16.0	--	--
259	410122117423301	07-29-61	USGS	208.00	893	--	7.70	--	16.0	--	--
260	410125119005203*	06-10-80	USGS	--	1,140	--	7.88	--	91.0	--	--
261	410143117405401	07-28-61	USGS	314.00	--	741	--	7.90	12.0	--	--
262	410214119010801*	12-09-80	USGS	261.00	1,150	--	9.29	--	40.5	--	--
263	410222117342601	08-01-61	USGS	27.00	--	765	--	8.40	--	--	--
264	410229119085001*	04-21-80	USGS	--	707	--	7.51	--	14.5	--	--
265	410234118270301	02-27-61	USGS	--	--	1,200	--	7.20	15.0	--	--
266	410245117394701	12-01-61	USGS	57.00	--	1,210	--	8.00	13.0	--	--
267	410247119013501*	01-01-74	--	--	902	--	7.90	--	80.0	--	--
268	410255117371101	01-01-78	--	--	--	--	7.60	--	76.0	--	--
269	410257119013901	08-01-61	USGS	22.00	--	1,060	--	8.30	--	--	--
270	410257119013902	01-01-75	--	--	910	--	7.90	--	77.5	--	--
		01-01-75	--	--	--	--	7.10	--	68.5	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld (mg/L as CaCO ₃)	Calcium, total recov- erable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total recov- erable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, dis- solved (mg/L as K)
238	05-05-77	120	--	--	36	--	7.6	150	6	--	23
239	07-20-61	250	35	--	69	--	19	72	2	--	6.8
240	03-29-71	230	--	67	--	16	--	--	--	69	--
241	03-11-71	1,500	--	440	--	100	--	--	--	110	--
242	07-24-61	220	5	--	56	--	19	60	2	--	6.5
243	11-30-61	220	41	--	62	--	16	76	2	--	4.3
244	07-27-61	520	420	--	140	--	41	30	.6	--	1.5
245	05-03-61	53	BL	--	18	--	1.9	490	30	--	13
246	02-27-61	310	110	--	55	--	41	160	4	--	5.9
247	06-24-80	48	--	--	14	--	3.0	460	30	--	14
248	06-30-81	4	--	--	1.4	--	.07	930	220	--	38
249	07-27-61	180	BL	--	52	--	11	65	2	--	6.4
250	08-04-80	630	--	--	21	--	140	5,600	98	--	72
251	06-16-81	520	--	--	200	--	.24	900	18	--	77
252	06-17-80	69	--	--	24	--	2.1	330	18	--	16
253	06-16-80	78	--	--	25	--	3.6	300	15	--	15
254	06-16-80	--	--	--	--	--	--	--	--	--	--
255	06-16-80	58	--	--	19	--	2.4	270	16	--	11
256	02-29-80	41	--	--	9.3	--	4.3	340	24	--	20
257	08-08-61	5	BL	--	2.0	--	BL	620	130	--	3.5
258	07-28-80	390	--	--	20	--	81	3,900	87	--	61
259	07-28-80	360	--	--	19	--	76	3,400	78	--	--
260	07-29-61	240	BL	--	65	--	19	100	3	--	8.2
261	06-10-80	26	--	--	9.4	--	.50	240	22	--	10
262	07-28-61	200	BL	--	56	--	14	86	3	--	8.3
263	12-09-80	5	--	--	2.0	--	<.04	260	48	--	7.2
264	08-01-61	230	BL	--	66	--	17	72	2	--	8.4
265	04-21-80	210	--	--	59	--	15	55	2	--	20
266	02-27-61	350	190	--	100	--	24	110	3	--	8.3
267	12-01-61	110	BL	--	25	--	11	210	9	--	9.2
268	01-01-74	13	BL	--	4.8	--	.10	180	23	--	4.5
269	01-01-78	14	--	--	4.8	--	.17	180	23	--	4.0
270	08-01-61	260	BL	--	57	--	28	130	4	--	34
271	01-01-75	38	BL	--	15	--	.10	220	17	--	5.0
272	01-01-75	43	BL	--	17	--	.10	230	16	--	5.0

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1 (plate 1)	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Alka- linity, wh wat, FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)
238	05-05-77	--	440	--	--	BL	--	--	--
239	07-20-61	--	247	--	--	9.0	--	--	--
240	03-29-71	--	237	--	--	BL	--	--	194
241	03-11-71	--	151	--	--	BL	--	--	124
242	07-24-61	--	260	--	--	BL	--	--	--
243	11-30-61	--	210	--	--	4.0	--	--	--
244	07-27-61	--	128	--	--	BL	--	--	--
245	05-03-61	--	902	--	--	BL	--	--	--
246	02-27-61	--	233	--	--	BL	--	--	--
247	06-24-80	--	--	900	--	--	1.0	--	--
248	06-30-81	--	--	860	--	--	292	--	--
249	07-27-61	--	260	--	--	BL	--	--	--
250	08-04-80	--	--	2,960	--	--	6.0	--	--
251	06-16-81	--	--	510	--	--	3.0	--	--
252	06-17-80	--	--	430	--	--	BL	--	--
253	06-16-80	--	--	480	--	--	BL	--	--
254	06-16-80	--	--	--	--	--	--	--	--
255	06-16-80	--	--	400	--	--	BL	--	--
256	02-29-80	--	--	545	--	--	4.0	--	--
257	08-08-61	--	1,080	--	--	143	--	--	--
258	07-28-80	--	--	2,820	--	--	7.0	--	--
259	07-28-80	--	--	--	--	--	--	--	--
260	07-29-61	--	342	--	--	BL	--	--	--
261	06-10-80	--	--	320	--	--	1.0	--	--
262	07-28-61	--	313	--	--	BL	--	--	--
263	12-09-80	--	--	235	--	--	23	--	--
264	08-01-61	--	330	--	--	11	--	--	--
265	04-21-80	--	--	192	--	--	BL	--	--
266	02-27-61	--	199	--	--	BL	--	--	--
267	12-01-61	--	209	--	--	BL	--	--	--
268	01-01-74	260	--	--	2	--	--	217	--
269	01-01-78	--	--	--	--	--	--	348	--
270	08-01-61	--	420	--	--	8.0	--	--	--
271	01-01-75	260	--	--	--	--	--	217	--
272	01-01-75	280	--	--	BL	--	--	230	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Sulfide, dis- solved (mg/L as S)	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
238	05-05-77	--	--	60	23	--	2.3	--	--	57	--	--
239	07-20-61	--	--	91	80	--	.30	--	--	54	--	--
240	03-29-71	--	84	--	70	0.3	--	--	--	--	--	487
241	03-11-71	--	200	--	890	.1	--	--	--	--	--	2,520
242	07-24-61	--	--	72	58	--	.30	--	--	51	--	--
243	11-30-61	--	--	72	75	--	--	--	--	--	--	--
244	07-27-61	--	--	110	230	--	.20	--	--	21	--	--
245	05-03-61	--	--	130	150	--	8.9	--	--	62	--	--
246	02-27-61	--	--	88	270	--	.50	--	--	16	--	--
247	06-24-80	BL	--	130	180	--	9.4	--	--	68	--	--
248	06-30-81	--	--	40	700	--	7.9	--	--	1.9	--	--
249	07-27-61	--	--	48	46	--	.30	--	--	50	--	--
250	08-04-80	BL	--	22	9100	--	1.1	--	--	59	--	--
251	06-16-81	--	--	340	4000	--	.90	--	--	31	--	--
252	06-17-80	.2	--	160	210	--	11	--	--	110	--	--
253	06-16-80	BL	--	140	160	--	9.4	--	--	54	--	--
254	06-16-80	--	--	--	--	--	--	--	--	--	--	--
255	06-16-80	.2	--	150	120	--	11	--	--	80	--	--
256	02-29-80	BL	--	40	220	--	4.7	--	--	70	--	--
257	08-08-61	--	--	98	46	--	16	--	--	34	--	--
258	07-28-80	BL	--	40	4100	--	.90	--	--	63	--	--
259	07-28-80	--	--	--	--	--	--	--	--	--	--	--
259	07-29-61	--	--	86	67	--	.60	--	--	58	--	--
260	06-10-80	BL	--	160	84	--	13	--	--	130	--	--
261	07-28-61	--	--	66	50	--	.60	--	--	48	--	--
262	12-09-80	<.0	--	140	140	--	9.0	--	--	12	--	--
263	08-01-61	--	--	65	40	--	.60	--	--	51	490	--
264	04-21-80	--	--	69	100	--	.40	--	--	77	--	--
265	02-27-61	--	--	110	210	--	.20	--	--	44	763	--
266	12-01-61	--	--	110	190	--	--	--	--	--	--	--
267	01-01-74	--	--	120	59	--	10	0.20	0.020	100	--	--
267	01-01-78	--	--	83	53	--	--	--	--	160	--	--
268	08-01-61	--	--	110	75	--	.80	--	--	55	700	--
269	01-01-75	--	--	120	80	--	10	--	--	100	--	--
270	01-01-75	--	--	120	110	--	10	--	--	130	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued									
Map number 1) (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, total (mg/L as NO ₃)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, ammonia, total (mg/L as N)	Phos- phorus, total (mg/L as PO ₄)	Arsenic, total (µg/L as As)	Arsenic, dis- solved (µg/L as As)	
238	05-05-77	575	--	--	--	--	--	--	
239	07-20-61	532	--	BL	--	--	--	--	
240	03-29-71	--	1.5	--	--	--	60	--	
241	03-11-71	--	220	--	--	--	45	--	
242	07-24-61	451	--	.30	--	--	--	--	
243	11-30-61	417	--	--	--	--	--	--	
244	07-27-61	640	--	40	--	--	--	--	
245	05-03-61	1,320	--	.20	--	--	--	--	
246	02-27-61	760	--	.30	--	--	--	--	
247	06-24-80	1,320	--	--	--	--	--	--	
248	06-30-81	2,740	--	--	--	--	--	--	
249	07-27-61	407	--	.80	--	--	--	--	
250	08-04-80	16,500	--	--	--	--	--	--	
251	06-16-81	5,820	--	--	--	--	--	--	
252	06-17-80	1,080	--	--	--	--	--	--	
253	06-16-80	944	--	--	--	--	--	--	
254	06-16-80	--	--	--	--	--	--	--	
255	06-16-80	861	--	--	--	--	--	--	
256	02-29-80	988	--	--	--	--	--	--	
257	08-08-61	1,650	--	BL	--	--	--	--	
258	07-28-80	9,670	--	--	--	--	--	--	
259	07-28-80	--	--	--	--	--	--	--	
260	07-29-61	575	--	1.3	--	--	--	--	
261	06-10-80	806	--	--	--	--	--	--	
262	07-28-61	483	--	1.4	--	--	--	--	
263	12-09-80	--	--	--	--	--	--	--	
264	08-01-61	505	--	--	--	--	--	--	
265	04-21-80	491	--	--	--	--	--	--	
266	02-27-61	710	--	3.6	--	--	--	--	
267	12-01-61	663	--	--	--	--	--	--	
268	01-01-74	618	--	--	0.300	0.07	--	60	
269	01-01-78	701	--	--	--	.14	--	<50	
270	08-01-61	713	--	.80	--	--	--	--	
271	01-01-75	694	--	--	--	--	--	--	
272	01-01-75	762	--	--	--	--	--	--	

TABLE 6.---Water-quality data and other information for wells and springs---Continued

PART A: Determinations from chemical analyses---Continued										
Map number (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total reco- verable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Iron (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)	
238	05-05-77	--	--	--	--	--	--	--	--	--
239	07-20-61	300	--	BL	--	--	--	--	--	--
240	03-29-71	--	--	--	--	10	--	--	--	--
241	03-11-71	--	--	--	--	30	--	--	--	--
242	07-24-61	400	--	BL	--	--	--	--	--	--
243	11-30-61	400	--	--	--	--	--	--	--	--
244	07-27-61	BL	--	BL	--	--	--	--	--	--
245	05-03-61	2,800	--	--	--	--	--	--	--	--
246	02-27-61	810	--	--	--	--	--	--	--	--
247	06-24-80	--	<10	--	35	--	17	0.2	4	--
248	06-30-81	--	<20	--	39	--	2	BL	26	--
249	07-27-61	300	--	BL	--	--	--	--	--	--
250	08-04-80	--	--	--	2,400	--	130	.2	--	--
251	06-16-81	--	--	--	70	--	10	--	--	--
252	06-17-80	--	<10	--	<10	--	84	.3	<3	--
253	06-16-80	--	11	--	180	--	140	.2	18	--
254	06-16-80	--	--	--	--	--	--	--	--	--
255	06-16-80	--	<10	--	<10	--	93	.2	<3	--
256	02-29-80	3,400	--	--	30	--	40	.1	--	--
257	08-08-61	4,600	--	BL	--	--	--	--	--	--
258	07-28-80	--	<10	--	460	--	75	.5	69	--
259	07-28-80	--	--	--	420	--	80	--	--	--
260	06-10-80	500	--	BL	--	--	--	--	--	--
261	07-28-61	300	--	10	<10	--	10	.2	<3	--
262	12-09-80	--	<10	--	98	--	4	BL	18	--
263	08-01-61	--	--	--	--	--	--	--	--	--
264	04-21-80	--	<10	--	<10	--	<1	.3	99	--
265	02-27-61	590	--	--	--	--	--	--	--	--
266	12-01-61	600	--	--	--	--	--	--	--	--
267	01-01-74	1,800	20	--	<20	--	<20	.4	--	--
268	08-01-78	1,800	230	--	48	--	<10	<4.0	13	--
269	01-01-75	2,000	--	--	--	--	--	--	--	--
270	01-01-75	2,100	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological Survey site identification	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Spe- cific con- duct- ance, lab ($\mu\text{S}/\text{cm}$)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bid- ity (JTU)
271	410257119013903	01-01-75	--	--	--	6.90	--	73.5	--	--
272	410257119013904	01-01-75	--	--	--	7.10	--	68.5	--	--
273	410257119013905*	12-05-79	USGS	--	876	8.13	--	78.0	--	--
274	410257119013906*	12-05-79	USGS	--	850	8.37	--	60.0	--	--
275	410257119013907*	12-05-79	USGS	--	871	8.17	--	78.0	--	--
276	410257119013908*	12-05-79	USGS	--	835	7.80	--	84.0	--	--
277	410257119013909*	12-05-79	USGS	--	854	8.09	--	82.0	--	--
278	410257119013910*	12-05-79	USGS	--	851	8.13	--	--	--	--
279	410305117375301	08-01-61	USGS	22.00	--	--	8.30	--	--	--
280	410315119013601*	08-07-80	USGS	703.00	1,860	8.19	--	35.5	--	--
281	410315119013701*	11-13-80	USGS	--	1,580	8.29	--	37.0	--	--
282	410315119013801*	08-07-80	USGS	509.00	691	9.49	--	36.0	--	--
283	410317119064901*	11-15-80	USGS	767.00	1,240	9.62	--	25.5	--	--
284	410321118164001	12-04-79	USGS	--	930	9.10	--	20.5	--	--
285	410326117345601	02-26-61	USGS	--	--	--	7.70	14.5	--	--
286	410337117424101	12-01-61	USGS	72.50	788	--	8.00	12.0	--	--
287	410346117415101	04-28-62	USGS	--	--	--	7.70	14.5	--	--
288	410415117384701	08-01-61	USGS	13.00	773	--	8.50	--	--	--
289	410424117371601	08-01-61	USGS	--	--	--	8.50	--	--	--
290	410424119063501*	12-01-61	USGS	38.00	603	--	8.10	13.0	--	--
291	410427119063501*	04-28-62	USGS	42.50	2,170	--	7.50	14.0	--	--
292	410428117414401	12-01-61	USGS	--	1,160	--	8.50	12.0	--	--
293	410431119010501*	04-28-62	USGS	--	1,240	--	7.90	10.5	--	--
294	410458119061801*	12-13-79	USGS	--	--	8.86	--	24.0	--	--
295	410459119002001*	12-13-79	USGS	--	584	8.60	--	26.0	--	--
296	410459119061501*	11-29-76	USGS	100.00	--	--	7.80	--	7	3
297	410504118150401	04-08-81	NBLR	--	2,700	8.97	--	24.5	--	--
298	410509119100201*	12-19-79	USGS	130.00	553	8.99	--	24.0	--	--
299	410617117342601	07-01-81	USGS	--	3,010	9.52	--	21.0	--	--
296	410459119061501*	12-13-79	USGS	--	573	9.09	--	23.0	--	--
297	410504118150401	10-28-60	USGS	--	1,680	7.70	--	13.0	--	--
298	410509119100201*	05-12-80	USGS	--	452	7.61	--	17.0	--	--
299	410617117342601	10-25-47	NBCHPS	61.00	--	--	--	70.0	--	--
		08-10-61	USGS	--	1,900	--	7.40	70.0	--	--
		04-28-62	USGS	--	1,900	--	7.70	69.0	--	--

TABLE 6.---Water-quality data and other information for wells and springs---Continued

PART A: Determinations from chemical analyses---Continued

Map number, ¹ (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld (mg/L as CaCO ₃)	Calcium, total reco- verable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total reco- verable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total reco- verable (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Potas- sium, total reco- verable (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
271	01-01-75	38	BL	--	15	--	0.20	--	260	19	--	6.0
272	01-01-75	46	BL	--	18	--	.20	--	260	18	--	10
273	12-05-79	19	--	--	6.0	--	<.10	--	210	21	--	4.8
274	12-05-79	15	--	--	5.7	--	.30	--	210	24	--	4.9
275	12-05-79	14	--	--	5.6	--	.10	--	200	24	--	4.7
276	12-05-79	13	--	--	4.9	--	.19	--	200	25	--	4.5
277	12-05-79	14	--	--	5.4	--	.10	--	200	25	--	4.7
278	12-05-79	17	--	--	6.4	--	<.10	--	200	22	--	4.4
279	08-01-61	260	BL	--	57	--	28	--	130	4	--	34
280	08-07-80	10	--	--	3.8	--	.07	--	390	57	--	8.6
281	11-13-80	8	--	--	2.8	--	.19	--	350	57	--	5.2
282	08-07-80	--	--	--	2.0	--	<.00	--	150	--	--	2.7
283	11-15-80	7	--	--	2.1	--	.49	--	270	45	--	4.5
284	12-04-79	4	--	--	1.2	--	.20	--	240	56	--	5.6
285	02-26-61	450	260	--	120	--	38	--	610	13	--	22
286	12-01-61	120	BL	--	25	--	--	--	120	--	--	8.2
287	04-28-62	120	--	--	32	--	9.7	--	110	4	--	9.6
288	08-01-61	110	--	--	34	--	7.1	--	120	5	--	9.6
289	08-01-61	110	BL	--	34	--	--	--	120	--	--	9.6
290	12-01-61	240	BL	--	55	--	26	--	380	11	--	15
291	04-28-62	260	--	--	64	--	25	--	380	10	--	18
292	12-01-61	68	BL	--	18	--	--	--	240	--	--	11
293	04-28-62	73	--	--	22	--	4.4	--	280	15	--	9.6
294	12-13-79	8	--	--	2.7	--	.20	--	150	25	--	8.7
295	12-13-79	9	--	--	3.0	--	.30	--	140	22	--	9.4
296	11-29-76	260	--	63	--	26	--	160	--	--	9.0	--
297	04-08-81	9	--	--	2.7	--	.45	--	660	100	--	18
298	12-19-79	5	--	--	2.0	--	.10	--	130	26	--	6.4
299	07-01-81	12	--	--	3.2	--	1.0	--	640	83	--	34
300	12-13-79	5	--	--	2.0	--	.10	--	130	26	--	7.6
301	10-28-60	240	73	--	63	--	21	--	260	8	--	14
302	05-12-80	110	--	--	37	--	3.4	--	44	2	--	10
303	10-25-47	110	--	--	29	--	10	--	470	20	--	--
304	08-10-61	100	--	--	30	--	7.1	--	450	20	--	26
305	04-28-62	110	--	--	26	--	11	--	450	19	--	26

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)
271	01-01-75	270	--	--	BL	--	--	226	--
272	01-01-75	280	--	--	BL	--	--	230	--
273	12-05-79	--	--	250	--	--	2.0	--	--
274	12-05-79	--	--	267	--	--	3.0	--	--
275	12-05-79	--	--	262	--	--	2.0	--	--
276	12-05-79	--	--	250	--	--	1.0	--	--
277	12-05-79	--	--	258	--	--	2.0	--	--
278	12-05-79	--	--	250	--	--	2.0	--	--
279	08-01-61	--	423	--	--	8.0	--	--	--
280	08-07-80	--	--	373	--	--	3.0	--	--
281	11-13-80	--	--	370	--	--	4.0	--	--
282	08-07-80	--	--	184	--	--	28	--	--
283	11-15-80	--	--	280	--	--	58	--	--
284	12-04-79	--	--	490	--	--	31	--	--
285	02-26-61	--	235	--	--	BL	--	--	--
286	12-01-61	--	166	--	--	BL	--	--	--
287	04-28-62	--	167	--	--	BL	--	--	--
288	08-01-61	--	255	--	--	11	--	--	--
289	12-01-61	--	702	--	--	BL	--	--	--
290	04-28-62	--	618	--	--	BL	--	--	--
291	12-01-61	--	382	--	--	18	--	--	--
292	04-28-62	--	446	--	--	BL	--	--	--
293	12-13-79	--	--	224	--	--	8.0	--	--
294	12-13-79	--	--	224	--	--	4.0	--	--
295	11-29-76	--	193	--	--	BL	--	--	158
296	04-08-81	--	--	810	--	--	38	--	--
297	12-19-79	--	--	235	--	--	11	--	--
298	07-01-81	--	--	460	--	--	76	--	--
299	12-13-79	--	--	245	--	--	15	--	--
300	10-28-60	--	208	--	--	BL	--	--	--
301	05-12-80	--	--	140	--	--	BL	--	--
302	10-25-47	--	--	--	--	--	--	--	--
303	08-10-61	--	1,240	--	--	BL	--	--	--
304	04-28-62	--	1,230	--	--	BL	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Sulfide, dis- solved (mg/L as S)	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
271	01-01-75	--	--	140	120	--	10	110	--	--
272	01-01-75	--	--	130	120	--	10	86	--	--
273	12-05-79	--	--	130	61	--	12	100	--	--
274	12-05-79	--	--	130	59	--	11	110	--	--
275	12-05-79	--	--	130	59	--	11	100	--	--
276	12-05-79	--	--	130	58	--	11	110	--	--
277	12-05-79	--	--	130	59	--	12	100	--	--
278	12-05-79	--	--	130	57	--	11	110	--	--
279	08-01-61	--	--	110	75	--	.80	55	--	--
280	08-07-80	<0.0	--	110	270	--	9.4	50	--	--
281	11-13-80	.3	--	110	220	--	10	51	--	--
282	08-07-80	2.1	--	96	48	--	12	37	--	--
283	11-15-80	--	--	130	150	--	12	2.2	--	--
284	12-04-79	.6	--	17	49	--	8.6	69	--	--
285	02-26-61	--	--	600	680	--	.60	41	2,230	--
286	12-01-61	--	--	E130	91	--	--	--	--	--
287	04-28-62	--	--	120	69	--	--	--	--	--
288	08-01-61	--	--	52	62	--	--	--	--	--
289	12-01-61	--	--	E51	320	--	--	--	--	--
290	04-28-62	--	--	160	310	--	--	--	--	--
291	12-13-79	.1	--	E130	82	--	--	--	--	--
292	11-29-76	--	190	210	86	--	2.3	80	--	--
293	04-08-81	--	--	49	52	--	--	--	--	--
294	12-19-79	.3	--	50	51	--	2.0	83	--	822
295	07-01-81	--	--	130	180	0.4	13	63	--	--
296	12-13-79	.4	--	110	35	--	2.6	78	--	--
297	10-28-60	--	--	39	580	--	3.2	1.7	--	--
298	05-12-80	--	--	230	36	--	3.2	78	--	--
299	10-25-47	--	--	34	290	--	.70	49	--	--
	08-10-61	--	--	73	50	--	.30	62	--	--
	04-28-62	--	--	52	22	--	--	--	--	--
		--	--	71	14	--	--	--	--	--
		--	--		16	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1) ¹	Date	Solids, sum of constituents, dis- solved (mg/L)	Nitro- gen, nitrate, total (mg/L as NO ₃)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Arsenic, total (μg/L as As)	Boron, dis- solved (μg/L as B)	Copper, dis- solved (μg/L as Cu)	Iron, total reco- verable (μg/L as Fe)	Iron, dis- solved (μg/L as Fe)	Iron soluble (μg/L as Fe)	Manga- nese, dis- solved (μg/L as Mn)	Manga- nese soluble (μg/L as Mn)	Mercury, dis- solved (μg/L as Hg)	Zinc, dis- solved (μg/L as Zn)
271	01-01-75	800	--	--	--	2,000	--	--	--	--	--	--	--	--
272	01-01-75	784	--	--	--	1,800	--	--	--	--	--	--	--	--
273	12-05-79	--	--	--	--	1,900	--	<10	<10	--	8	--	--	--
274	12-05-79	670	--	--	--	2,000	--	--	<10	--	10	--	--	--
275	12-05-79	645	--	--	--	1,900	--	20	--	--	9	--	--	--
276	12-05-79	644	--	--	--	--	<10	12	--	--	9	--	0.2	<3
277	12-05-79	644	--	--	--	1,900	--	<10	<10	--	10	--	--	--
278	12-05-79	--	--	--	--	--	<10	<10	--	--	15	--	.2	<3
279	08-01-61	710	--	BL	--	500	--	BL	--	--	--	--	--	--
280	08-07-80	1,030	--	--	--	--	<10	37	--	--	25	--	2.7	5
281	11-13-80	940	--	--	--	--	<10	26	--	--	19	--	.1	5
282	08-07-80	--	--	--	--	--	<10	32	--	--	2	--	.4	180
283	11-15-80	827	--	--	--	--	<10	12	--	--	2	--	BL	8
284	12-04-79	696	--	--	--	1,200	--	20	--	--	3	--	--	--
285	02-26-61	2,220	--	.50	--	3,000	--	--	--	--	--	--	--	--
286	12-01-61	472	--	--	--	300	--	--	--	--	--	--	--	--
287	04-28-62	429	--	--	--	400	--	--	--	--	--	--	--	--
288	08-01-61	406	--	--	--	--	--	--	--	--	--	--	--	--
289	08-01-61	417	--	--	--	--	--	--	--	--	--	--	--	--
290	12-01-61	1,200	--	--	--	2,900	--	--	--	--	--	--	--	--
291	04-28-62	1,260	--	--	--	2,800	--	--	--	--	--	--	--	--
292	12-01-61	697	--	--	--	900	--	--	--	--	--	--	--	--
293	04-28-62	836	--	--	--	900	--	--	--	--	--	--	--	--
294	12-13-79	472	--	--	--	640	--	<10	<10	--	<1	--	--	--
295	12-13-79	458	--	--	--	610	--	<10	<10	--	<1	--	--	--
296	11-29-76	--	31	--	10	--	--	--	360	--	10	--	BL	65
297	04-08-81	1,670	--	--	--	<20	--	44	--	--	9	--	BL	--
298	12-19-79	437	--	--	--	640	--	<10	<10	--	<1	--	BL	16
299	07-01-81	1,750	--	--	--	--	<20	20	--	--	<2	--	--	--
296	12-13-79	448	--	--	--	670	--	<10	<10	--	<1	--	--	--
297	10-28-60	1,048	--	.60	--	900	--	--	--	--	<1	--	--	--
298	05-12-80	310	--	--	--	--	<10	<10	<10	--	<1	--	.2	13
299	10-25-47	1,210	--	--	--	--	--	--	--	--	--	--	--	--
	08-10-61	1,190	--	--	--	--	--	--	--	--	--	--	--	--
	04-28-62	1,210	--	--	--	1,400	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1)	U.S. Geological Survey site 1)	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Spe- cific con- duct- ance, lab ($\mu\text{S}/\text{cm}$)	pH, field (stand- ard units)	pH, stand- ard (units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bid- ity (JTU)
300	410622118525101	05-03-61	USGS	--	3,280	--	8.20	15.5	--	--
301	410649119075501	06-14-61	USGS	1,012.00	451	--	7.30	15.5	--	--
302	410651119070001	06-14-61	USGS	--	446	--	7.80	36.0	--	--
303	410656119000301*	07-09-80	USGS	--	914	8.80	--	51.0	--	--
304	410702118101301	02-26-61	USGS	43.00	925	--	7.70	13.5	--	--
305	410703119071201	02-06-80	--	3.00	431	--	--	--	--	--
306	410704117394001	08-15-45	NBCHPS	79.00	--	--	--	--	--	--
307	410715119060601*	01-29-80	USGS	88.00	453	8.17	--	38.5	--	--
308	410716119060501*	01-29-80	USGS	292.00	451	8.13	--	38.5	--	--
309	410738119072901*	04-07-81	USGS	--	465	8.15	--	15.0	--	--
310	410741117495001	02-25-64	USGS	61.00	--	--	8.70	13.5	--	--
311	410754119000001*	05-06-81	USGS	--	827	10.03	--	24.5	--	--
312	410803117331701	08-10-61	USGS	64.00	557	--	7.90	16.5	--	--
313	410809119081601*	12-27-79	USGS	98.00	352	7.86	--	32.0	--	--
314	410811119081401	02-06-80	--	--	340	--	--	31.0	--	--
315	410814119081401	02-06-80	--	--	353	--	--	23.0	--	--
316	410816117481401	02-25-64	USGS	60.00	772	--	8.70	13.0	--	--
317	410833117353501	11-14-61	USGS	420.00	703	--	8.00	--	--	--
318	410839119073801*	01-30-80	USGS	--	480	8.53	--	13.5	--	--
319	410842119010701	07-21-80	--	--	786	--	--	70.5	--	--
320	410852119011301*	07-21-80	USGS	--	776	8.75	--	70.0	--	--
321	410910117393301	03-26-81	USGS	477.00	594	--	--	19.0	--	--
322	410939117352601	07-16-68	USGS	180.00	660	--	8.20	14.5	--	--
323	410949118245601	02-27-61	USGS	575.00	--	--	7.80	15.5	--	--
		02-27-61	USGS	--	--	--	7.70	15.5	--	--
		02-27-61	USGS	--	--	--	8.00	19.0	--	--
324	410956117353501	07-16-68	USGS	78.00	425	--	8.00	13.0	--	--
325	411039117353201	07-16-68	USGS	280.00	1,100	--	8.20	16.5	--	--
326	411056117354901	03-22-81	USGS	58.00	430	--	--	--	--	--
327	411219119045801*	12-11-80	USGS	--	1,580	--	--	12.0	--	--
328	411316117521101	12-03-76	NBLR	182.00	1,780	8.98	7.70	--	3	1
329	411451117381201	03-26-81	USGS	100.00	353	--	--	13.5	--	--
330	411452117321901	08-15-45	NBCHPS	24.00	--	--	--	10.0	--	--
331	411506118555901	05-06-61	USGS	--	264	--	8.20	23.5	--	--
332	411524119034301	08-22-79	USGS	--	--	--	--	15.0	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld (mg/L as CaCO ₃)	Calcium, total reco- verable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total reco- verable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total reco- verable (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, total reco- verable (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
300	05-03-61	51	BL	--	11	--	5.6	--	790	49	--	--	15
301	06-14-61	73	BL	--	18	--	6.9	--	66	3	--	--	5.4
302	06-14-61	36	BL	--	9.6	--	2.8	--	78	6	--	--	11
303	07-09-80	--	--	--	1.5	--	<.04	--	210	--	--	--	4.4
304	02-26-61	150	BL	--	48	--	8.5	--	140	5	--	--	10
305	02-06-80	--	--	--	--	--	--	--	--	--	--	--	--
306	08-15-45	100	--	--	27	--	8.0	--	--	--	120	--	--
307	01-29-80	29	--	--	9.4	--	1.4	--	790	66	--	--	12
308	01-29-80	29	--	--	9.4	--	1.4	--	800	67	--	--	12
309	04-07-81	52	--	--	17	--	2.3	--	80	5	--	--	8.0
310	02-25-64	100	BL	--	32	--	--	--	--	--	E220	--	--
311	05-06-81	--	--	--	2.0	--	BL	--	180	--	--	--	4.0
312	08-10-61	170	--	--	40	--	16	--	45	2	--	--	5.8
313	12-27-79	30	--	--	9.6	--	1.4	--	56	5	--	--	6.0
314	02-06-80	--	--	--	--	--	--	--	--	--	--	--	--
315	02-06-80	--	--	--	--	--	--	--	--	--	--	--	--
316	02-25-64	43	BL	--	12	--	--	--	--	--	E140	--	--
317	11-14-61	180	--	--	56	--	9.8	--	72	2	--	--	11
318	01-30-80	20	--	--	6.8	--	.70	--	94	10	--	--	7.8
319	07-21-80	--	--	--	--	--	--	--	--	--	--	--	--
320	07-21-80	6	--	--	1.9	--	.25	--	170	32	--	--	5.2
321	03-26-81	--	--	--	--	--	--	--	--	--	--	--	--
322	07-16-68	100	--	--	31	--	6.0	--	--	--	82	--	--
323	02-27-61	120	BL	--	38	--	7.1	--	98	4	--	--	8.8
324	02-27-61	94	BL	--	30	--	4.6	--	90	4	--	--	9.4
325	02-27-61	39	BL	--	14	--	1.0	--	78	6	--	--	10
326	07-16-68	68	--	--	14	--	8.0	--	180	10	--	--	5.7
327	07-16-68	84	--	--	27	--	4.0	--	40	2	--	--	8.7
328	03-22-81	--	--	--	--	--	--	--	--	--	--	--	--
329	12-11-80	62	--	--	19	--	3.5	--	380	22	--	--	17
330	12-03-76	920	--	300	--	41	--	250	--	--	--	18	--
331	03-26-81	--	--	--	--	--	--	--	--	--	--	--	--
332	08-15-45	140	--	--	41	--	9.5	--	78	3	--	--	--
333	05-06-61	17	BL	--	6.4	--	.20	--	55	6	--	--	.60
334	08-22-79	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued									
Map number (plate 1)	Date	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)		
300	05-03-61	1,150	--	BL	--	--	--		
301	06-14-61	148	--	--	--	121	--		
302	06-14-61	165	--	--	--	135	--		
303	07-09-80	--	280	--	9.0	--	--		
304	02-26-61	222	--	BL	--	--	--		
305	02-06-80	--	--	--	--	--	--		
306	08-15-45	232	--	--	--	--	--		
307	01-29-80	--	159	--	1.0	--	--		
308	01-29-80	--	160	--	1.0	--	--		
309	04-07-81	--	180	--	1.0	--	--		
310	02-25-64	208	--	24	--	--	--		
311	05-06-81	--	140	--	73	--	--		
312	08-10-61	202	--	BL	--	--	--		
313	12-27-79	--	122	--	BL	--	--		
314	02-06-80	--	--	--	--	--	--		
315	02-06-80	--	--	--	--	--	--		
316	02-25-64	216	--	22	--	--	--		
317	11-14-61	156	--	BL	--	--	--		
318	01-30-80	--	140	--	2.0	--	--		
319	07-21-80	--	--	--	--	--	--		
320	07-21-80	--	190	--	5.0	--	--		
321	03-26-81	--	--	--	--	--	--		
322	07-16-68	192	--	BL	--	--	--		
323	02-27-61	224	--	BL	--	--	--		
	02-27-61	215	--	BL	--	--	--		
	02-27-61	208	--	BL	--	--	--		
324	07-16-68	180	--	BL	--	--	--		
325	07-16-68	160	--	BL	--	--	--		
326	03-22-81	--	--	--	--	--	--		
327	12-11-80	--	370	--	17	--	--	70	
328	12-03-76	85	--	BL	--	--	--		
329	03-26-81	--	--	--	--	--	--		
330	08-15-45	243	--	--	--	--	--		
331	05-06-61	120	--	BL	--	--	--		
332	08-22-79	--	--	--	--	--	--		

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Sulfide, dis- solved (mg/L as S)	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Solids, residue at 105 deg. C, dis- solved (mg/L)
300	05-03-61	--	--	95	500	--	3.9	70	2,070	--
301	06-14-61	--	--	32	42	--	1.2	84	--	--
302	06-14-61	--	--	38	28	--	1.8	79	--	--
303	07-09-80	0.6	--	120	76	--	1.0	64	--	--
304	02-26-61	--	--	130	90	--	.90	49	606	--
305	02-06-80	--	--	--	--	--	--	--	--	--
306	08-13-45	--	--	74	67	--	--	--	--	430
307	01-29-80	--	--	40	35	--	1.8	73	--	--
308	01-29-80	BL	--	39	23	--	2.0	71	--	--
309	04-07-81	--	--	45	25	--	2.9	75	--	--
310	02-25-64	--	--	160	140	--	--	--	--	--
311	05-06-81	--	--	97	67	--	11	5.3	--	--
312	08-10-61	--	--	16	66	--	--	--	--	--
313	12-27-79	--	--	27	35	--	.80	59	--	--
314	02-06-80	--	--	--	--	--	--	--	--	--
315	02-06-80	--	--	--	--	--	--	--	--	--
316	02-25-64	--	--	67	50	--	--	--	--	--
317	11-14-61	--	--	91	79	--	.40	81	--	--
318	01-30-80	.5	--	69	35	--	6.4	64	--	--
319	07-21-80	--	--	--	--	--	--	--	--	--
320	07-21-80	.3	--	110	57	--	12	89	--	--
321	03-26-81	--	--	--	--	--	--	--	--	--
322	07-16-68	--	--	54	47	--	--	--	--	--
323	02-27-61	--	--	43	80	--	.80	46	431	--
	02-27-61	--	--	31	61	--	1.0	55	385	--
	02-27-61	--	--	17	22	--	1.1	52	301	--
324	07-16-68	--	--	170	95	--	.50	67	--	--
325	07-16-68	--	--	23	21	--	.40	73	--	--
326	03-22-81	--	--	--	--	--	--	--	--	--
327	12-11-80	--	--	550	110	--	8.3	3.9	--	--
328	12-03-76	--	98	--	770	0.1	--	--	--	2,010
329	03-26-81	--	--	--	--	--	--	--	--	--
330	08-15-45	--	--	45	45	--	--	--	--	--
331	05-06-61	--	--	15	11	--	.30	34	186	--
332	08-22-79	--	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued									
Map number 1 (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, total (mg/L as NO ₃)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Arsenic, total (µg/L as As)	Arsenic, dis- solved (µg/L as As)		
300	05-03-61	2,060	--	--	1.1	--	--		
301	06-14-61	328	BL	--	BL	--	--		
302	06-14-61	329	BL	--	BL	--	--		
303	07-09-80	--	--	--	--	--	--		
304	02-26-61	578	--	--	21	--	--		
305	02-06-80	--	--	--	--	--	--		
306	08-15-45	430	--	--	--	--	--		
307	01-29-80	1,040	--	--	--	--	--		
308	01-29-80	1,040	--	--	--	--	--		
309	04-07-81	346	--	--	--	--	--		
310	02-25-64	--	--	--	--	--	--		
311	05-06-81	--	--	--	--	--	--		
312	08-10-61	288	--	--	--	--	--		
313	12-27-79	255	--	--	--	--	--		
314	02-06-80	--	--	--	--	--	--		
315	02-06-80	--	--	--	--	--	--		
316	02-25-64	--	--	--	--	--	--		
317	11-14-61	477	--	--	--	--	--		
318	01-30-80	358	--	--	--	--	--		
319	07-21-80	--	--	--	--	--	--		
320	07-21-80	549	--	--	--	--	--		
321	03-26-81	--	--	--	--	--	--		
322	07-16-68	--	--	--	--	--	--		
323	02-27-61	432	--	--	2.5	--	--		
	02-27-61	388	--	--	2.7	--	--		
	02-27-61	298	--	--	1.0	--	--		
324	07-16-68	629	--	--	--	--	10		
325	07-16-68	276	--	--	--	--	--		
326	03-22-81	--	--	--	--	--	--		
327	12-11-80	1,310	--	--	--	--	--		
328	12-03-76	--	--	200	--	5	--		
329	03-26-81	--	--	--	--	--	--		
330	08-15-45	338	--	--	--	--	--		
331	05-06-61	182	--	--	.30	--	--		
332	08-22-79	--	--	--	--	--	--		

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued										
Map number (plate 1) ¹	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, dis- solved (µg/L as Fe)	Iron (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Manga- nese (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)	
300	05-03-61	7,900	--	--	--	--	--	--	--	--
301	06-14-61	BL	--	--	--	--	--	--	--	--
302	06-14-61	--	--	--	--	--	--	--	--	--
303	07-09-80	--	<10	<10	--	1	--	BL	<3	--
304	02-26-61	890	--	--	--	--	--	--	--	--
305	02-06-80	--	--	--	--	--	--	--	--	--
306	08-15-45	500	--	--	--	--	--	--	--	--
307	01-29-80	500	<10	<10	--	<1	--	0.1	<3	--
308	01-29-80	470	<10	<10	--	<1	--	.1	<3	--
309	04-07-81	--	<10	<10	--	8	--	.1	21	--
310	02-25-64	--	--	--	--	--	--	--	--	--
311	05-06-81	--	<10	22	--	2	--	.1	120	--
312	08-10-61	--	--	--	--	--	--	--	--	--
313	12-27-79	--	<10	23	--	<1	--	.1	<3	--
314	02-06-80	--	--	--	--	--	--	--	--	--
315	02-06-80	--	--	--	--	--	--	--	--	--
316	02-25-64	--	--	--	--	--	--	--	--	--
317	11-14-61	100	--	--	--	--	--	--	--	--
318	01-30-80	990	--	<10	--	20	--	.1	--	--
319	07-21-80	--	--	--	--	--	--	--	--	--
320	07-21-80	--	13	13	--	2	--	.2	3	--
321	03-26-81	--	--	--	--	--	--	--	--	--
322	07-16-68	--	--	--	--	--	--	--	--	--
323	02-27-61	560	--	--	--	--	--	--	--	--
	02-27-61	530	--	--	--	--	--	--	--	--
	02-27-61	670	--	--	--	--	--	--	--	--
324	07-16-68	150	--	--	--	--	--	--	--	--
325	07-16-68	100	--	--	--	--	--	--	--	--
326	03-22-81	--	--	--	--	--	--	--	--	--
327	12-11-80	--	<10	120	--	44	--	BL	22	--
328	12-03-76	--	--	460	--	--	20	--	--	--
329	03-26-81	--	--	--	--	--	--	--	--	--
330	08-15-45	220	--	--	--	--	--	--	--	--
331	05-06-61	320	--	--	--	--	--	--	--	--
332	08-22-79	--	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological Survey site identification ¹	Date	Agency ana- lyzing sample (abbrevi- ated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)
333	411530117360701	07-16-68	USGS	291.00	--	440	--	8.00	15.0
334	411539117351501	07-16-68	USGS	305.00	--	600	--	8.10	17.0
335	411606118050901	02-26-61	USGS	--	--	1,000	--	7.80	19.5
336	411612117490601	06-02-64	USGS	76.00	--	1,530	--	7.90	14.5
337	411702117350901	07-17-68	USGS	225.00	--	520	--	7.90	13.5
338	411712119101001*	03-05-80	USGS	--	678	--	8.02	--	18.0
339	411726119042301	08-22-79	USGS	--	--	--	--	--	9.5
340	411734117333401	07-17-68	USGS	--	--	410	--	8.20	14.5
341	411806117381601	04-09-81	USGS	575.00	945	--	--	--	21.5
342	411810117310701	07-17-68	USGS	--	--	510	--	7.90	13.0
343	411859117311301	07-17-68	USGS	405.00	--	670	--	7.60	11.5
344	411919119122301	05-26-80	--	--	324	--	--	--	24.5
345	411919119122302*	05-26-80	USGS	--	321	--	8.28	--	24.5
346	411919119122303	05-26-80	--	--	321	--	--	--	17.5
347	411919119122304	05-26-80	--	--	323	--	--	--	24.0
348	411919119122305	05-26-80	--	--	323	--	--	--	20.0
349	411921118151201	08-06-61	USGS	425.00	--	566	--	7.80	11.5
350	412018119100401*	03-12-80	USGS	--	290	--	7.23	--	27.0
351	412018119100501	03-12-80	--	--	290	--	--	--	27.0
352	412020119113101*	05-14-80	USGS	--	362	--	8.78	--	53.5
353	412020119113102	05-14-80	--	--	364	--	--	--	52.5
354	412021119113001	05-14-80	--	--	364	--	--	--	52.5
355	412021119113002	05-14-80	--	--	367	--	--	--	52.0
356	412031117301601	07-17-68	USGS	410.00	--	440	--	8.20	14.0
357	412042117552301	02-29-64	USGS	--	--	1,440	--	7.80	15.0
358	412059119131301	04-23-80	--	--	355	--	--	--	51.0
359	412100119131701	04-23-80	--	--	357	--	--	--	38.0
360	412101119131701	04-23-80	--	--	360	--	--	--	42.5
361	412104118494101	05-03-61	USGS	--	--	376	--	7.80	15.5
362	412106119131601	04-22-80	--	--	345	--	--	--	39.0
363	412109119130001*	01-02-80	USGS	--	374	--	8.78	--	53.0
364	412111119132001	04-22-80	--	--	355	--	--	--	50.5
365	412112119132001	04-22-80	--	--	349	--	--	--	45.0
366	412114119132501*	01-09-80	USGS	--	355	--	8.73	--	44.0
367	412120119065701	08-22-79	USGS	--	--	--	--	--	23.0

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld, (mg/L as CaCO ₃)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, dis- solved (mg/L as K)
333	07-16-68	110	--	36	4.0	34	1	--	6.4
334	07-16-68	150	--	42	10	--	--	57	--
335	02-26-61	150	BL	46	9.7	150	5	--	12
336	06-02-64	210	55	58	--	230	--	--	12
337	07-17-68	120	--	48	1.0	--	--	49	--
338	03-05-80	90	--	27	5.5	120	6	--	9.6
339	08-22-79	--	--	--	--	--	--	--	--
340	07-17-68	95	--	33	3.0	33	2	--	5.4
341	04-09-81	--	--	--	--	--	--	--	--
342	07-17-68	100	--	31	6.0	46	2	--	9.8
343	07-17-68	150	--	45	10	--	--	65	--
344	05-26-80	--	--	--	--	--	--	--	--
345	05-26-80	33	--	11	1.4	55	4	--	5.4
346	05-26-80	--	--	--	--	--	--	--	--
347	05-26-80	--	--	--	--	--	--	--	--
348	05-26-80	--	--	--	--	--	--	--	--
349	08-06-61	210	BL	58	17	30	.9	--	1.5
350	03-12-80	8	--	3.0	.10	75	12	--	.90
351	03-12-80	--	--	--	--	--	--	--	--
352	05-14-80	8	--	3.1	.09	71	11	--	1.2
353	05-14-80	--	--	--	--	--	--	--	--
354	05-14-80	--	--	--	--	--	--	--	--
355	05-14-80	--	--	--	--	--	--	--	--
356	07-17-68	85	--	24	6.0	41	2	--	9.8
357	02-29-64	280	130	79	--	--	--	El60	--
358	04-23-80	--	--	--	--	--	--	--	--
359	04-23-80	--	--	--	--	--	--	--	--
360	04-23-80	--	--	--	--	--	--	--	--
361	05-03-61	37	BL	11	2.4	63	5	--	11
362	04-22-80	--	--	--	--	--	--	--	--
363	01-02-80	8	--	3.1	.13	73	12	--	1.2
364	04-22-80	--	--	--	--	--	--	--	--
365	04-22-80	--	--	--	--	--	--	--	--
366	01-09-80	10	--	3.9	.12	72	10	--	1.2
367	08-22-79	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, 1 (plate 1)	Date	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)	Sulfide, dis- solved (mg/L as S)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)
333	07-16-68	159	--	BL	--	--	25	27	0.20	--	--
334	07-16-68	230	--	BL	--	--	32	33	--	--	--
335	02-26-61	204	--	BL	--	--	94	160	.30	63	640
336	06-02-64	194	--	BL	--	--	110	290	.40	61	--
337	07-17-68	164	--	BL	--	--	34	43	--	--	--
338	03-05-80	--	227	--	--	--	110	41	7.6	56	--
339	08-22-79	--	--	--	--	--	--	--	--	--	--
340	07-17-68	143	--	BL	--	--	24	26	.20	--	--
341	04-09-81	--	--	--	--	--	--	--	--	--	--
342	07-17-68	176	--	BL	--	--	30	32	.70	--	--
343	07-17-68	197	--	BL	--	--	50	57	--	--	--
344	05-26-80	--	111	--	--	--	30	17	5.6	63	--
345	05-26-80	--	--	--	--	--	--	--	--	--	--
346	05-26-80	--	--	--	--	--	--	--	--	--	--
347	05-26-80	--	--	--	--	--	--	--	--	--	--
348	05-26-80	--	--	--	--	--	--	--	--	--	--
349	08-06-61	276	--	BL	--	--	32	22	--	--	--
350	03-12-80	--	124	BL	--	--	46	21	11	65	--
351	03-12-80	--	--	--	--	--	--	--	--	--	--
352	05-14-80	--	93	--	--	BL	38	17	12	61	--
353	05-14-80	--	--	--	--	--	--	--	--	--	--
354	05-14-80	--	--	--	--	--	--	--	--	--	--
355	05-14-80	--	--	--	--	--	--	--	--	--	--
356	07-17-68	145	--	BL	--	--	28	28	.60	--	--
357	02-29-64	184	--	BL	--	--	140	230	--	--	--
358	04-23-80	--	--	--	--	--	--	--	--	--	--
359	04-23-80	--	--	--	--	--	--	--	--	--	--
360	04-23-80	--	--	--	--	--	--	--	--	--	--
361	05-03-61	151	--	BL	--	--	21	28	.40	79	290
362	04-22-80	--	--	--	--	--	--	--	--	--	--
363	01-02-80	--	95	--	--	--	38	17	3.8	60	--
364	04-22-80	--	--	--	--	--	--	--	--	--	--
365	04-22-80	--	--	--	--	--	--	--	--	--	--
366	01-09-80	--	90	--	77	--	37	12	11	64	--
367	08-22-79	--	--	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, ¹ (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)
333	07-16-68	211	--	60	--	--	--	--	--	--
334	07-16-68	--	--	--	--	--	--	--	--	--
335	02-26-61	629	2.2	870	--	--	--	--	--	--
336	06-02-64	907	29	900	--	10	--	--	--	--
337	07-17-68	--	--	--	--	--	--	--	--	--
338	03-05-80	491	--	1,100	--	--	<10	<1	0.1	--
339	08-22-79	--	--	--	--	--	--	--	--	--
340	07-17-68	195	--	60	--	--	--	--	--	--
341	04-09-81	--	--	--	--	--	--	--	--	--
342	07-17-68	242	--	160	--	--	--	--	--	--
343	07-17-68	--	--	--	--	--	--	--	--	--
344	05-26-80	--	--	--	--	--	--	--	--	--
345	05-26-80	245	--	--	13	--	<10	1	.2	6
346	05-26-80	--	--	--	--	--	--	--	--	--
347	05-26-80	--	--	--	--	--	--	--	--	--
348	05-26-80	--	--	--	--	--	--	--	--	--
349	08-06-61	296	--	--	--	--	--	--	--	--
350	03-12-80	284	--	900	--	--	<10	<1	.2	--
351	03-12-80	--	--	--	--	--	--	--	--	--
352	05-14-80	255	--	--	<10	--	<10	<1	.2	<3
353	05-14-80	--	--	--	--	--	--	--	--	--
354	05-14-80	--	--	--	--	--	--	--	--	--
355	05-14-80	--	--	--	--	--	--	--	--	--
356	07-17-68	209	--	90	--	--	--	--	--	--
357	02-29-64	--	--	--	--	--	--	--	--	--
358	04-23-80	--	--	--	--	--	--	--	--	--
359	04-23-80	--	--	--	--	--	--	--	--	--
360	04-23-80	--	--	--	--	--	--	--	--	--
361	05-03-61	290	.80	170	--	--	--	--	--	--
362	04-22-80	--	--	--	--	--	--	--	--	--
363	01-02-80	249	--	--	<10	--	24	<1	.2	<3
364	04-22-80	--	--	--	--	--	--	--	--	--
365	04-22-80	--	--	--	--	--	--	--	--	--
366	01-09-80	250	--	--	<10	--	<10	<1	.6	6
367	08-22-79	--	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1), ¹	U.S. Geological Survey site identification ²	Date	Agency ana- lyzing sample (abbrevi- ated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)
368	412125117501601	02-11-64	USGS	--	--	1,010	--	7.70	12.0
369	412125119111601*	01-01-80	USGS	--	345	--	8.93	--	57.0
370	412129119130402*	05-06-61	USGS	--	--	357	--	7.60	48.0
		01-01-74	--	--	363	--	8.55	--	54.0
371	412133118471501*	01-01-74	--	--	1,560	--	7.14	--	93.0
372	412133118484901*	01-01-74	--	--	1,520	--	7.65	--	92.0
373	412133119132601	04-23-80	--	--	339	--	--	--	48.0
374	412134119132401	04-23-80	--	--	343	--	--	--	50.0
375	412137119114101	05-13-80	--	--	595	--	--	--	11.0
376	412137119132401	04-23-80	--	--	339	--	--	--	50.5
377	412138119114001*	04-30-80	USGS	--	767	--	7.31	--	10.5
378	412138119132501	04-23-80	--	--	337	--	--	--	45.0
379	412139119114001	05-13-80	--	--	1,010	--	--	--	10.5
380	412139119132401*	04-22-80	USGS	--	336	--	8.83	--	51.0
381	412149119125901*	04-29-80	USGS	--	357	--	9.01	--	35.5
382	412152119114101*	05-13-80	USGS	--	599	--	7.49	--	11.0
383	412156117455301	02-12-64	USGS	--	--	323	--	8.50	--
384	412156119131701	04-29-80	--	--	345	--	--	--	40.5
385	412231119112401	05-28-80	--	--	373	--	--	--	36.5
386	412235119105601	03-12-80	--	--	--	--	--	--	21.0
387	412235119105602	03-12-80	--	--	364	--	--	--	34.5
388	412235119105603	03-12-80	--	--	363	--	--	--	43.0
389	412235119105604	03-12-80	--	--	359	--	--	--	44.0
390	412235119105605	03-12-80	--	--	--	--	--	--	35.0
391	412235119105606	03-12-80	--	--	--	--	--	--	38.0
392	412235119105607	03-12-80	--	--	370	--	--	--	41.5
393	412235119105608	03-12-80	--	--	373	--	--	--	41.0
394	412235119105609	03-12-80	--	--	--	--	--	--	31.0
395	412247119111401*	05-27-80	USGS	--	364	--	8.82	--	55.0
396	412248119105101*	03-04-80	USGS	--	381	--	8.93	--	38.5
397	412248119105102	03-04-80	--	--	373	--	--	--	41.5
398	412308117315601	07-17-68	USGS	--	--	330	--	8.10	16.0
399	412327117282601	07-18-68	USGS	303.00	--	570	--	8.30	13.0
400	412341117490101	07-23-64	USGS	112.00	--	379	--	7.60	18.0
401	412351119095901*	03-11-80	USGS	--	198	--	7.46	--	30.0

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1) (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld, (mg/L as CaCO ₃)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, dis- solved (mg/L as Na)	Sodium ad- orp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, dis- solved (mg/L as K)
368	02-11-64	160	BL	48	--	--	--	E110	--
369	01-01-80	11	--	3.1	0.90	77	10	--	0.80
370	05-06-61	12	BL	2.4	1.5	76	10	--	.0
	01-01-74	--	--	3.1	<.10	74	--	--	1.1
371	01-01-74	37	BL	14	.40	330	25	--	23
372	01-01-74	12	BL	4.6	.10	320	42	--	25
373	04-23-80	--	--	--	--	--	--	--	--
374	04-23-80	--	--	--	--	--	--	--	--
375	05-13-80	--	--	--	--	--	--	--	--
376	04-23-80	--	--	--	--	--	--	--	--
377	04-30-80	25	--	7.4	1.5	160	15	--	4.5
378	04-23-80	--	--	--	--	--	--	--	--
379	05-13-80	--	--	--	--	--	--	--	--
380	04-22-80	10	--	3.9	.07	69	10	--	1.0
381	04-29-80	--	--	3.2	<.01	73	--	--	1.1
382	05-13-80	21	--	6.4	1.3	130	13	--	4.3
383	02-12-64	120	BL	40	--	--	--	E18	--
384	04-29-80	--	--	--	--	--	--	--	--
385	05-28-80	--	--	--	--	--	--	--	--
386	03-12-80	--	--	--	--	--	--	--	--
387	03-12-80	--	--	--	--	--	--	--	--
388	03-12-80	--	--	--	--	--	--	--	--
389	03-12-80	--	--	--	--	--	--	--	--
390	03-12-80	--	--	--	--	--	--	--	--
391	03-12-80	--	--	--	--	--	--	--	--
392	03-12-80	--	--	--	--	--	--	--	--
393	03-12-80	--	--	--	--	--	--	--	--
394	03-12-80	--	--	--	--	--	--	--	--
395	05-27-80	8	--	2.8	.20	75	12	--	.80
396	03-04-80	47	--	13	3.5	40	3	--	9.8
397	03-04-80	--	--	--	--	--	--	--	--
398	07-17-68	79	--	25	4.0	--	--	23	--
399	07-18-68	110	--	33	6.0	54	2	--	10
400	07-23-64	130	7	43	--	23	--	--	3.8
401	03-11-80	37	--	10	3.0	23	2	--	7.6

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1) ¹	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)
368	02-11-64	--	208	--	--	BL	--	--
369	01-01-80	--	--	94	--	--	4.0	--
370	05-06-61	--	96	--	--	BL	--	79
	01-01-74	92	--	--	--	--	--	80
371	01-01-74	490	--	--	1	--	--	408
372	01-01-74	440	--	--	2	--	--	361
373	04-23-80	--	--	--	--	--	--	--
374	04-23-80	--	--	--	--	--	--	--
375	05-13-80	--	--	--	--	--	--	--
376	04-23-80	--	--	--	--	--	--	--
377	04-30-80	--	--	172	--	--	BL	--
378	04-23-80	--	--	--	--	--	--	--
379	05-13-80	--	--	--	--	--	--	--
380	04-22-80	--	--	88	--	--	3.0	--
381	04-29-80	--	--	88	--	--	4.0	--
382	05-13-80	--	--	138	--	--	BL	--
383	02-12-64	--	136	--	--	6.0	--	--
384	04-29-80	--	--	--	--	--	--	--
385	05-28-80	--	--	--	--	--	--	--
386	03-12-80	--	--	--	--	--	--	--
387	03-12-80	--	--	--	--	--	--	--
388	03-12-80	--	--	--	--	--	--	--
389	03-12-80	--	--	--	--	--	--	--
390	03-12-80	--	--	--	--	--	--	--
391	03-12-80	--	--	--	--	--	--	--
392	03-12-80	--	--	--	--	--	--	--
393	03-12-80	--	--	--	--	--	--	--
394	03-12-80	--	--	--	--	--	--	--
395	05-27-80	--	--	89	--	--	3.0	--
396	03-04-80	--	--	94	--	--	4.0	--
397	03-04-80	--	--	--	--	--	--	--
398	07-17-68	--	115	--	--	BL	--	--
399	07-18-68	--	161	--	--	5.0	--	--
400	07-23-64	--	153	--	--	BL	--	--
401	03-11-80	--	--	80	--	--	BL	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Sulfide, dis- solved (mg/L as S)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)
368	02-11-64	--	200	25	--	--	--	--
369	01-01-80	--	41	26	13	--	--	60
370	05-06-61	--	39	21	12	--	--	65
	01-01-74	--	41	18	12	0.060	0.010	63
371	01-01-74	--	120	160	12	.10	.040	150
372	01-01-74	--	130	160	14	.10	.040	160
373	04-23-80	--	--	--	--	--	--	--
374	04-23-80	--	--	--	--	--	--	--
375	05-13-80	--	--	--	--	--	--	--
376	04-23-80	--	--	--	--	--	--	--
377	04-30-80	--	120	68	11	--	--	73
378	04-23-80	--	--	--	--	--	--	--
379	05-13-80	--	--	--	--	--	--	--
380	04-22-80	BL	34	14	12	--	--	63
381	04-29-80	BL	39	18	13	--	--	62
382	05-13-80	--	140	52	8.8	--	--	75
383	02-12-64	--	16	13	--	--	--	--
384	04-29-80	--	--	--	--	--	--	--
385	05-28-80	--	--	--	--	--	--	--
386	03-12-80	--	--	--	--	--	--	--
387	03-12-80	--	--	--	--	--	--	--
388	03-12-80	--	--	--	--	--	--	--
389	03-12-80	--	--	--	--	--	--	--
390	03-12-80	--	--	--	--	--	--	--
391	03-12-80	--	--	--	--	--	--	--
392	03-12-80	--	--	--	--	--	--	--
393	03-12-80	--	--	--	--	--	--	--
394	03-12-80	--	--	--	--	--	--	--
395	05-27-80	BL	39	18	12	--	--	60
396	03-04-80	BL	18	13	1.9	--	--	64
397	03-04-80	--	--	--	--	--	--	--
398	07-17-68	--	8.0	19	--	--	--	--
399	07-18-68	--	41	44	.80	--	--	--
400	07-23-64	--	26	18	.20	--	--	38
401	03-11-80	BL	14	12	.50	--	--	63

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1 ¹ (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, dis- solved (mg/L as NO ₃)	Nitro- gen, ammonia, total (mg/L as N)	Phos- phorus total (mg/L as P ₀₄)	Arsenic, dis- solved (µg/L as As)	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)
368	02-11-64	--	--	--	--	--	--	--	--	--	--	--	--	--
369	01-01-80	276	--	--	--	--	--	--	<10	<10	<10	<1	0.2	<3
370	05-06-61	265	0.110	0.49	--	--	--	820	--	--	--	--	--	--
	01-01-74	--	--	--	0.100	0.04	60	640	<20	<20	<20	<20	<1	--
371	01-01-74	1,060	--	--	.800	.04	70	7,500	<20	--	60	30	4.0	--
372	01-01-74	1,040	--	--	.500	.04	60	6,900	30	--	60	<20	.6	--
373	04-23-80	--	--	--	--	--	--	--	--	--	--	--	--	--
374	04-23-80	--	--	--	--	--	--	--	--	--	--	--	--	--
375	05-13-80	--	--	--	--	--	--	--	--	--	--	--	--	--
376	04-23-80	--	--	--	--	--	--	--	--	--	--	--	--	--
377	04-30-80	530	--	--	--	--	--	--	<10	--	100	<1	.2	35
378	04-23-80	--	--	--	--	--	--	--	--	--	--	--	--	--
379	05-13-80	--	--	--	--	--	--	--	<10	--	<10	<1	.1	6
380	04-22-80	246	--	--	--	--	--	--	<10	--	<10	<1	.4	<3
381	04-29-80	--	--	--	--	--	--	--	--	--	--	--	--	--
382	05-13-80	486	--	--	--	--	--	--	<10	--	69	<1	.2	15
383	02-12-64	--	--	--	--	--	--	--	--	--	--	--	--	--
384	04-29-80	--	--	--	--	--	--	--	--	--	--	--	--	--
385	05-28-80	--	--	--	--	--	--	--	--	--	--	--	--	--
386	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
387	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
388	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
389	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
390	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
391	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
392	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
393	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
394	03-12-80	--	--	--	--	--	--	--	--	--	--	--	--	--
395	05-27-80	258	--	--	--	--	--	--	13	--	<10	<1	.2	<3
396	03-04-80	218	--	--	--	--	--	190	--	--	<10	<1	.1	--
397	03-04-80	--	--	--	--	--	--	--	--	--	--	--	--	--
398	07-17-68	--	--	--	--	--	--	--	--	--	--	--	--	--
399	07-18-68	278	--	--	--	--	--	110	--	--	--	--	--	--
400	07-23-64	234	--	0.80	--	--	--	100	--	10	--	--	--	--
401	03-11-80	173	--	--	--	--	--	80	--	--	<10	<1	.1	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological Survey site identification ¹	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Specific conductance, lab (μ S/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bid- ity (JTU)
402	412411119141701*	05-27-80	USGS	--	155	6.85	--	12.0	--	--
403	412441118010801	10-29-54	USGS	27.00	--	--	7.20	11.5	--	--
404	412448117271101	07-18-68	USGS	435.00	--	--	8.40	21.5	--	--
405	412453118151701	10-30-60	USGS	--	--	--	7.90	13.0	--	--
406	412457117582201	10-29-54	USGS	27.00	--	--	7.20	11.5	--	--
407	412503118035801	02-27-64	USGS	--	--	--	8.60	10.5	--	--
408	412505117322201	10-26-54	USGS	112.00	--	--	9.00	26.5	--	--
409	412505117322201	07-17-68	USGS	--	--	--	7.90	15.5	--	--
409	412509117444201	02-11-64	USGS	144.00	--	--	7.60	14.0	--	--
410	412513117232801	08-14-45	NBCHPS	--	--	--	--	57.0	--	--
411	412521117231101	01-01-74	--	--	1,340	8.00	--	58.0	--	--
412	412538117575201	02-27-64	USGS	28.00	--	--	8.70	11.5	--	--
413	412557118035201	06-23-59	USGS	80.00	--	--	7.90	--	--	--
414	412603117535801	02-11-64	USGS	63.00	--	--	7.40	--	--	--
415	412626117330701	07-17-68	USGS	735.00	--	--	8.30	15.5	--	--
416	412646117472201	02-11-64	USGS	46.00	--	--	7.80	11.5	--	--
417	412717117522201	02-11-64	USGS	--	--	--	8.40	11.0	--	--
418	412721117544701	02-11-64	USGS	70.00	--	--	7.80	--	--	--
419	412728117441201	02-11-64	USGS	200.00	--	--	7.50	11.0	--	--
420	412728117442901	04-29-64	USGS	404.00	--	--	8.20	16.0	--	--
421	412730117451501	07-21-64	USGS	795.00	--	--	8.00	18.5	--	--
422	412730117494201	02-11-64	USGS	--	--	--	8.50	11.0	--	--
423	412732117551201	07-23-64	USGS	222.00	--	--	7.80	14.5	--	--
424	412738117441801	02-11-64	USGS	161.00	--	--	8.20	--	--	--
425	412752117504801	02-11-64	USGS	--	--	--	8.50	11.0	--	--
426	412754117444501	02-11-64	USGS	175.00	--	--	7.50	--	--	--
427	412756117465701	02-11-64	USGS	74.00	--	--	7.50	11.0	--	--
428	412835117513801	07-23-64	USGS	380.00	--	--	7.70	13.5	--	--
429	412835118071001	04-01-76	--	229.00	748	--	--	14.5	--	--
430	412902117525501	02-11-64	USGS	47.00	--	--	8.50	11.5	--	--
431	412903118153001	03-30-76	--	92.00	456	--	--	13.5	--	--
432	412917117320401	08-15-74	NBCHPS	125.00	--	--	7.40	--	7	BL
433	412920118122401	03-30-76	--	50.00	486	--	--	12.0	--	--
434	412923118184401	10-07-60	USGS	--	--	--	8.10	21.0	--	--
435	412934117483001	07-22-64	USGS	550.00	--	--	8.00	15.0	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued
PART A: Determinations from chemical analyses--Continued

Map number (plate 1), ¹	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, tot fld wh wat, (mg/L as CaCO ₃)	Calcium, total erab- le (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total erab- le (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total erab- le (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- orp- tion ratio	Sodium+ potas- sium, total erab- le (mg/L as Na)	Potas- sium, total erab- le (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
402	05-27-80	41	--	--	10	--	3.8	--	15	1	--	--	3.0
403	10-29-54	330	24	--	83	--	29	--	120	3	--	--	12
404	07-18-68	82	--	--	23	--	6.0	--	57	3	--	--	13
405	10-30-60	240	BL	--	48	--	29	--	330	9	--	--	18
406	10-29-54	330	24	--	83	--	--	--	120	--	--	--	12
407	02-27-64	190	BL	--	37	--	--	--	--	--	E140	--	--
408	10-26-54	9	BL	--	2.2	--	--	--	200	30	--	--	18
409	07-17-68	100	--	--	30	--	7.0	--	--	--	38	--	--
409	02-11-64	130	34	--	42	--	--	--	--	--	E25	--	--
410	08-14-45	100	--	--	26	--	8.5	--	--	--	330	--	--
411	01-01-74	58	BL	--	10	--	8.0	--	300	17	--	--	36
412	02-27-64	120	BL	--	19	--	--	--	--	--	E160	--	--
413	06-23-59	71	BL	--	22	--	3.9	--	120	6	--	--	--
414	02-11-64	220	160	--	64	--	--	--	--	--	--	--	--
415	07-17-68	97	--	--	29	--	6.0	--	34	2	--	--	4.9
416	02-11-64	150	BL	--	47	--	--	--	--	--	E46	--	--
417	02-11-64	740	590	--	200	--	--	--	--	--	E1,100	--	--
418	02-11-64	220	BL	--	63	--	--	--	--	--	--	--	--
419	02-11-64	110	25	--	29	--	--	--	--	--	E22	--	--
420	04-29-64	140	41	--	43	--	--	--	--	--	E22	--	--
421	07-21-64	76	BL	--	25	--	--	--	--	--	E14	--	--
422	02-11-64	96	BL	--	31	--	--	--	--	--	E41	--	--
423	07-23-64	290	29	--	74	--	--	--	120	--	--	--	9.4
424	02-11-64	140	13	--	48	--	--	--	--	--	--	--	--
425	02-11-64	100	BL	--	33	--	--	--	--	--	E41	--	--
426	02-11-64	220	120	--	68	--	--	--	--	--	E20	--	--
427	02-11-64	62	BL	--	19	--	--	--	--	--	E20	--	--
428	07-23-64	60	BL	--	20	--	--	--	--	--	E18	--	--
429	04-01-76	83	BL	--	26	--	4.3	--	110	5	--	--	19
430	02-11-64	280	89	--	83	--	--	--	--	--	E53	--	--
431	03-30-76	75	BL	--	20	--	6.0	--	60	3	--	--	11
432	08-15-74	86	--	26	--	5.0	--	31	--	--	--	1.0	--
433	03-30-76	81	BL	--	22	--	6.4	--	72	4	--	--	8.8
434	10-07-60	100	BL	--	30	--	6.3	--	450	20	--	--	9.9
435	07-22-64	210	BL	--	64	--	--	--	--	--	E110	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1) ¹	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, IT-FLD (mg/L as HCO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, IT-FLD (mg/L as CO ₃)	Alka- linity, wat wh, total FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)
402	05-27-80	--	--	74	--	BL	--	--
403	10-29-54	--	369	--	--	--	--	--
404	07-18-68	--	173	--	7.0	--	--	--
405	10-30-60	--	305	--	BL	--	--	--
406	10-29-54	--	369	--	BL	--	--	--
	02-27-64	--	200	--	19	--	--	--
407	10-26-54	--	211	--	36	--	--	--
408	07-17-68	--	137	--	BL	--	--	--
409	02-11-64	--	114	--	BL	--	--	--
410	08-14-45	--	920	--	BL	--	--	--
411	01-01-74	880	--	--	--	--	723	--
412	02-27-64	--	218	--	23	--	--	--
413	06-23-59	--	200	--	--	--	--	--
414	02-11-64	--	76	--	BL	--	--	--
415	07-17-68	--	126	--	2.0	--	--	--
416	02-11-64	--	198	--	BL	--	--	--
417	02-11-64	--	160	--	10	--	--	--
418	02-11-64	--	303	--	BL	--	--	--
419	02-11-64	--	99	--	BL	--	--	--
420	04-29-64	--	127	--	BL	--	--	--
421	07-21-64	--	101	--	BL	--	--	--
422	02-11-64	--	124	--	7.0	--	--	--
423	07-23-64	--	316	--	BL	--	--	--
424	02-11-64	--	160	--	BL	--	--	--
425	02-11-64	--	123	--	8.0	--	--	--
426	02-11-64	--	120	--	BL	--	--	--
427	02-11-64	--	87	--	BL	--	--	--
428	07-23-64	--	86	--	BL	--	--	--
429	04-01-76	160	--	--	--	--	132	--
430	02-11-64	--	202	--	15	--	--	--
431	03-30-76	160	--	--	--	--	135	--
432	08-15-74	--	134	--	BL	--	--	110
433	03-30-76	210	--	--	--	--	176	--
434	10-07-60	--	948	--	BL	--	--	--
435	07-22-64	--	447	--	BL	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Sulfate, (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
402	05-27-80	--	9.4	6.8	--	0.50	43	--	--
403	10-29-54	--	110	120	--	.90	59	720	--
404	07-18-68	--	31	29	--	.70	83	--	--
405	10-30-60	--	--	280	--	--	--	--	--
406	10-29-54	--	110	120	--	.90	59	--	--
407	02-27-64	--	120	120	--	--	--	--	--
408	10-26-54	--	70	110	--	1.4	4.8	--	--
409	07-17-68	--	26	32	--	--	--	--	--
410	02-11-64	--	24	44	--	--	--	--	--
411	08-14-45	--	34	26	--	--	--	--	--
412	01-01-74	--	36	26	--	--	55	--	--
413	02-27-64	--	120	92	--	--	--	--	--
414	06-23-59	--	64	54	--	1.0	69	431	--
415	02-11-64	--	--	540	--	--	--	--	--
416	07-17-68	--	20	30	--	.40	--	--	--
417	02-11-64	--	23	42	--	--	--	--	--
418	02-11-64	--	680	1,600	--	--	--	--	--
419	02-11-64	--	--	100	--	--	--	--	--
420	04-29-64	--	34	27	--	--	--	--	--
421	07-21-64	--	45	30	--	--	--	--	--
422	02-11-64	--	12	8.0	--	--	--	--	--
423	07-23-64	--	27	32	--	--	51	--	--
424	02-11-64	--	130	110	--	1.1	--	--	--
425	02-11-64	--	--	10	--	--	--	--	--
426	02-11-64	--	24	38	--	--	--	--	--
427	02-11-64	--	72	65	--	--	--	--	--
428	07-23-64	--	10	16	--	--	--	--	--
429	04-01-76	--	12	12	--	--	--	--	--
430	02-11-64	--	40	110	--	.90	59	--	--
431	03-30-76	--	49	110	--	--	--	--	--
432	08-15-74	21	30	37	--	.70	23	--	--
433	03-30-76	--	--	23	0.2	--	--	--	179
434	10-07-60	--	27	31	--	.90	57	--	--
435	07-22-64	--	200	69	--	9.8	51	1,290	--
		--	44	26	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued									
Map number (plate 1) ¹	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, total (mg/L as NO ₃)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, nitrite, dis- solved (mg/L as N)	Nitro- gen, NO ₂ + NO ₃ , dis- solved (mg/L as N)	Arsenic, total (µg/L as As)	Arsenic, dis- solved (µg/L as As)
402	05-27-80	129	--	--	--	--	--	--	--
403	10-29-54	717	--	--	2.4	--	--	--	--
404	07-18-68	342	--	--	--	--	--	--	10
405	10-30-60	--	--	--	--	--	--	--	--
406	10-29-54	720	--	--	2.4	--	--	--	--
	02-27-64	--	--	--	--	--	--	--	--
407	10-26-54	577	--	--	.20	--	--	--	--
408	07-17-68	--	--	--	--	--	--	--	--
409	02-11-64	--	--	--	--	--	--	--	--
410	08-14-45	930	--	--	--	--	--	--	--
411	01-01-74	900	--	--	--	--	--	--	--
412	02-27-64	412	--	--	--	--	--	--	--
413	06-23-59	429	--	--	.80	--	--	--	--
414	02-11-64	--	--	--	--	--	--	--	--
415	07-17-68	190	--	--	--	--	--	--	--
416	02-11-64	--	--	--	--	--	--	--	--
417	02-11-64	--	--	--	--	--	--	--	--
418	02-11-64	--	--	--	--	--	--	--	--
419	02-11-64	--	--	--	--	--	--	--	--
420	04-29-64	--	--	--	--	--	--	--	--
421	07-21-64	--	--	--	--	--	--	--	--
422	02-11-64	--	--	--	--	--	--	--	--
423	07-23-64	674	--	--	BL	--	--	--	--
424	02-11-64	--	--	--	--	--	--	--	--
425	02-11-64	--	--	--	--	--	--	--	--
426	02-11-64	--	--	--	--	--	--	--	--
427	02-11-64	--	--	--	--	--	--	--	--
428	07-23-64	--	--	--	--	--	--	--	--
429	04-01-76	449	0.140	--	.62	0.010	0.150	--	24
430	02-11-64	--	--	--	--	--	--	--	--
431	03-30-76	269	.060	--	.27	.010	.070	--	1
432	08-15-74	--	--	1.0	--	--	--	5	--
433	03-30-76	332	.070	--	.31	.010	.080	--	39
434	10-07-60	1,300	--	--	.40	--	--	--	--
435	07-22-64	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued										
Map number, ¹ (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Manga- nese (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)	Zinc, dis- solved (µg/L as Zn)	
402	05-27-80	--	13	--	260	--	--	0.1	40	
403	10-29-54	--	--	--	--	--	--	--	--	
404	07-18-68	200	--	--	--	--	--	--	--	
405	10-30-60	--	--	--	--	--	--	--	--	
406	10-29-54	--	--	40	--	--	--	--	--	
	02-27-64	--	--	--	--	--	--	--	--	
407	10-26-54	--	--	--	--	--	--	--	--	
408	07-17-68	--	--	--	--	--	--	--	--	
409	02-11-64	--	--	--	--	--	--	--	--	
410	08-14-45	2,500	--	--	--	--	--	--	--	
411	01-01-74	--	--	--	--	--	--	--	--	
412	02-27-64	--	--	--	--	--	--	--	--	
413	06-23-59	310	--	170	--	--	--	--	--	
414	02-11-64	--	--	--	--	--	--	--	--	
415	07-17-68	20	--	--	--	--	--	--	--	
416	02-11-64	--	--	--	--	--	--	--	--	
417	02-11-64	--	--	--	--	--	--	--	--	
418	02-11-64	--	--	--	--	--	--	--	--	
419	02-11-64	--	--	--	--	--	--	--	--	
420	04-29-64	--	--	--	--	--	--	--	--	
421	07-21-64	--	--	--	--	--	--	--	--	
422	02-11-64	--	--	--	--	--	--	--	--	
423	07-23-64	400	--	10	--	--	--	--	--	
424	02-11-64	--	--	--	--	--	--	--	--	
425	02-11-64	--	--	--	--	--	--	--	--	
426	02-11-64	--	--	--	--	--	--	--	--	
427	02-11-64	--	--	--	--	--	--	--	--	
428	07-23-64	--	--	--	--	--	--	--	--	
429	04-01-76	400	--	--	--	--	--	--	--	
430	02-11-64	--	--	--	--	--	--	--	--	
431	03-30-76	260	--	--	--	--	--	--	--	
432	08-15-74	--	--	--	BL	--	BL	--	--	
433	03-30-76	440	--	--	--	--	--	--	--	
434	10-07-60	1,300	--	--	--	--	--	--	--	
435	07-22-64	--	--	--	--	--	--	--	--	

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological survey site identification	Date	Agency ana- lyzing sample (abbrevi- ated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (μ S/cm)	Spe- cific con- duct- ance, lab (μ S/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)
436	412935118354801	11-09-60	USGS	128.00	--	845	--	8.10	--
437	412947118110901	03-30-76	--	90.00	375	--	--	--	11.5
438	413006117480001	02-11-64	USGS	--	--	256	--	7.20	11.0
439	413012117484401	02-11-64	USGS	--	--	427	--	7.40	12.0
440	413017117482101	02-11-64	USGS	--	--	331	--	7.30	--
441	413019118041801	11-02-60	USGS	580.00	--	331	--	7.50	--
442	413031117492301	07-23-64	USGS	562.00	--	197	--	7.60	17.0
443	413055117282901	08-14-45	NBCHPS	50.00	--	--	--	--	9.5
444	413110117500701	06-03-64	USGS	432.00	--	217	--	7.60	16.0
445	413112117325101	07-18-68	USGS	500.00	--	420	--	--	--
446	413139117482201	06-02-64	USGS	520.00	--	166	--	7.40	14.0
447	413143118283701	10-08-60	USGS	352.00	--	259	--	7.70	24.0
448	413146118340701	10-08-60	USGS	--	--	883	--	8.30	40.0
449	413153117530301	02-27-64	USGS	--	--	266	--	8.40	11.5
450	413320117482001	07-21-64	USGS	366.00	--	204	--	7.50	13.0
451	413321117513701	02-12-64	USGS	54.00	--	337	--	8.40	--
452	413324117482801	06-19-64	USGS	735.00	--	200	--	7.60	14.0
453	413326117493101	07-23-64	USGS	460.00	--	190	--	7.70	15.5
454	413328117485001	04-22-53	USGS	488.00	--	187	--	7.70	14.0
455	413347118131501	06-22-59	USGS	670.00	--	352	--	7.40	--
456	413359117474101	02-12-64	USGS	186.00	--	561	--	8.40	--
457	413403118335601*	10-08-60	USGS	--	666	636	--	8.70	70.0
458	413444117491701	01-01-74	--	--	--	--	8.86	--	66.0
459	413513118310001	02-12-64	USGS	57.00	--	306	--	8.10	12.0
		10-08-60	USGS	33.00	--	315	--	7.60	11.5
460	413515118331701	10-08-60	USGS	25.00	--	367	--	7.70	13.0
461	413605117521101	02-12-64	USGS	69.00	--	227	--	8.20	11.5
462	413613117540101	02-12-64	USGS	--	--	512	--	8.20	10.0
463	413623117501001	06-02-64	USGS	410.00	--	239	--	7.90	16.5
464	413625117532201	02-12-64	USGS	70.00	--	481	--	8.50	11.5
465	413625117543601	02-12-64	USGS	--	--	390	--	8.50	14.0
466	413654117502601	02-12-64	USGS	64.00	--	251	--	8.20	12.0
467	413656117531401	02-11-64	USGS	51.00	--	1,210	--	8.60	11.0
468	413706117535801	02-12-64	USGS	--	--	414	--	8.50	12.0
469	413715117475201	07-22-64	USGS	510.00	--	566	--	7.50	16.5

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld (mg/L as CaCO ₃)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, dis- solved (mg/L as Na)	Sodium ad- orp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, dis- solved (mg/L as K)
436	11-09-60	76	BL	21	5.7	150	8	--	11
437	03-30-76	49	BL	14	3.3	56	4	--	9.4
438	02-11-64	92	BL	26	--	--	--	E16	--
439	02-11-64	120	BL	37	--	--	--	E40	--
440	02-11-64	100	BL	30	--	--	--	E34	--
441	11-02-60	120	BL	28	--	21	--	--	2.4
442	07-23-64	52	BL	18	--	--	--	E22	--
443	08-14-45	180	--	52	13	--	--	130	--
444	06-03-64	73	BL	23	--	15	--	--	1.3
445	07-18-68	89	--	24	7.0	38	2	--	4.5
446	06-02-64	54	BL	16	--	13	--	--	1.4
447	10-08-60	55	BL	18	2.4	34	2	--	4.8
448	10-08-60	14	BL	3.2	1.5	210	25	--	6.2
449	02-27-64	89	BL	27	--	--	--	E24	--
450	07-21-64	71	1	21	--	--	--	E13	--
451	02-12-64	100	BL	31	--	--	--	E32	--
452	06-19-64	69	BL	21	--	--	--	E14	--
453	07-23-64	57	BL	20	--	--	--	E20	--
454	04-22-53	62	BL	19	--	14	--	--	1.5
455	06-22-59	120	BL	31	--	26	--	--	2.9
456	02-12-64	220	65	70	--	--	--	E23	--
457	10-08-60	8	BL	3.2	BL	150	24	--	3.7
458	01-01-74	--	--	1.8	<1.0	150	--	--	4.3
459	02-12-64	100	27	32	--	--	--	E16	--
459	10-08-60	89	BL	26	5.8	33	2	--	3.0
460	10-08-60	110	BL	33	6.3	39	2	--	3.6
461	02-12-64	74	BL	25	--	--	--	E18	--
462	02-12-64	120	BL	37	--	--	--	E57	--
463	06-02-64	76	BL	27	--	19	--	--	1.8
464	02-12-64	110	BL	37	--	--	--	E62	--
465	02-12-64	82	BL	26	--	--	--	E52	--
466	02-12-64	88	7	28	--	--	--	E16	--
467	02-11-64	260	BL	77	--	--	--	E150	--
468	02-12-64	87	BL	26	--	--	--	E55	--
469	07-22-64	240	52	72	--	--	--	E20	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1, ¹ (plate 1)	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)
436	11-09-60	--	255	--	BL	--	--	66	--	--	--	--	--
437	03-30-76	150	--	--	BL	122	25	25	0.80	--	--	2.2	--
438	02-11-64	--	122	--	BL	--	16	7.6	--	--	--	--	--
439	02-11-64	--	164	--	BL	--	33	29	--	--	--	--	--
440	02-11-64	--	166	--	BL	--	20	8.1	--	--	--	--	--
441	11-02-60	--	175	--	BL	--	11	6.0	.10	--	--	46	--
442	07-23-64	--	91	--	BL	--	12	9.5	--	--	--	--	--
443	08-14-45	--	329	--	BL	--	45	66	--	--	--	--	--
444	06-03-64	--	95	--	BL	--	13	14	.10	--	--	30	--
445	07-18-68	--	116	--	BL	--	25	38	.50	--	--	44	--
446	06-02-64	--	76	--	BL	--	9.0	10	BL	--	--	31	--
447	10-08-60	--	104	--	BL	--	25	15	.60	--	--	65	244
448	10-08-60	--	358	--	7.0	--	67	54	14	--	--	120	660
449	02-27-64	--	133	--	4.0	--	12	10	--	--	--	--	--
450	07-21-64	--	86	--	BL	--	12	12	--	--	--	--	--
451	02-12-64	--	130	--	6.0	--	24	21	--	--	--	--	--
452	06-19-64	--	91	--	BL	--	10	11	--	--	--	--	--
453	07-23-64	--	91	--	BL	--	12	8.9	--	--	--	--	--
454	04-22-53	--	90	--	BL	--	9.2	8.5	.10	--	--	30	--
455	06-22-59	--	157	--	BL	--	22	19	.10	--	--	42	--
456	02-12-64	--	169	--	8.0	--	71	29	--	--	--	--	--
457	10-08-60	--	218	--	16	--	76	6.0	8.9	--	--	83	470
458	01-01-74	240	--	17	--	228	82	21	8.0	0.050	0.020	85	--
459	02-12-64	--	92	--	BL	--	18	31	--	--	--	--	--
459	10-08-60	--	140	--	BL	--	31	17	1.0	--	--	55	241
460	10-08-60	--	164	--	BL	--	44	15	.20	--	--	57	272
461	02-12-64	--	104	--	BL	--	17	8.1	--	--	--	--	--
462	02-12-64	--	180	--	BL	--	44	34	--	--	--	--	--
463	06-02-64	--	102	--	BL	--	19	12	.10	--	--	22	--
464	02-12-64	--	178	--	20	--	34	24	--	--	--	--	--
465	02-12-64	--	135	--	8.0	--	36	24	--	--	--	--	--
466	02-12-64	--	99	--	BL	--	20	15	--	--	--	--	--
467	02-11-64	--	315	--	20	--	120	120	--	--	--	--	--
468	02-12-64	--	147	--	8.0	--	36	24	--	--	--	--	--
469	07-22-64	--	232	--	BL	--	61	22	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued								
Map number (plate 1), 1	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrite, dis- solved (mg/L as N)	Nitro- gen, NO ₂ +NO ₃ , dis- solved (mg/L as N)	Nitro gen, ammonia, total (mg/L as N)	Phos- phorus, total (mg/L as PO ₄)	Arsenic, dis- solved (µg/L as As)
436	11-09-60	--	--	--	--	--	--	--
437	03-30-76	209	0.010	<0.010	0.010	--	--	<1
438	02-11-64	--	--	--	--	--	--	--
439	02-11-64	--	--	--	--	--	--	--
440	02-11-64	--	--	--	--	--	--	--
441	11-02-60	219	--	--	--	--	--	--
442	07-23-64	--	--	--	--	--	--	--
443	08-14-45	480	--	--	--	--	--	--
444	06-03-64	148	--	--	--	--	--	--
445	07-18-68	238	--	--	--	--	--	0
446	06-02-64	122	--	--	--	--	--	--
447	10-08-60	216	--	--	--	--	--	--
448	10-08-60	674	--	--	--	--	--	--
449	02-27-64	--	--	--	--	--	--	--
450	07-21-64	--	--	--	--	--	--	--
451	02-12-64	--	--	--	--	--	--	--
452	06-19-64	--	--	--	--	--	--	--
453	07-23-64	--	--	--	--	--	--	--
454	04-22-53	131	--	--	--	--	--	--
455	06-22-59	235	--	--	--	--	--	--
456	02-12-64	--	--	--	--	--	--	--
457	10-08-60	467	--	--	--	0.300	0.02	<10
458	01-01-74	--	--	--	--	--	--	--
459	02-12-64	--	--	--	--	--	--	--
459	10-08-60	241	--	--	--	--	--	--
460	10-08-60	279	--	--	--	--	--	--
461	02-12-64	--	--	--	--	--	--	--
462	02-12-64	--	--	--	--	--	--	--
463	06-02-64	155	--	--	--	--	--	--
464	02-12-64	--	--	--	--	--	--	--
465	02-12-64	--	--	--	--	--	--	--
466	02-12-64	--	--	--	--	--	--	--
467	02-11-64	--	--	--	--	--	--	--
468	02-12-64	--	--	--	--	--	--	--
469	07-22-64	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued									
Map number 1 (plate 1)	Date	Boron, dis- solved (µg/L as B)	Copper, dis- solved (µg/L as Cu)	Iron, total recov- erable (µg/L as Fe)	Iron, dis- solved (µg/L as Fe)	Manga- nese, dis- solved (µg/L as Mn)	Mercury, dis- solved (µg/L as Hg)		
436	11-09-60	--	--	--	--	--	--		
437	03-30-76	160	--	--	--	--	--		
438	02-11-64	--	--	--	--	--	--		
439	02-11-64	--	--	--	--	--	--		
440	02-11-64	--	--	--	--	--	--		
441	11-02-60	100	--	--	--	--	--		
442	07-23-64	--	--	--	--	--	--		
443	08-14-45	40	--	--	--	--	--		
444	06-03-64	BL	--	10	--	--	--		
445	07-18-68	60	--	--	--	--	--		
446	06-02-64	BL	--	10	--	--	--		
447	10-08-60	110	--	--	--	--	--		
448	10-08-60	2,900	--	--	--	--	--		
449	02-27-64	--	--	--	--	--	--		
450	07-21-64	--	--	--	--	--	--		
451	02-12-64	--	--	--	--	--	--		
452	06-19-64	--	--	--	--	--	--		
453	07-23-64	--	--	--	--	--	--		
454	04-22-53	BL	--	BL	--	--	--		
455	06-22-59	100	--	50	--	--	--		
456	02-12-64	--	--	--	--	--	--		
457	10-08-60	410	--	--	--	--	--		
	01-01-74	1,000	<20	--	<20	<20	0.8		
458	02-12-64	--	--	--	--	--	--		
459	10-08-60	60	--	--	--	--	--		
460	10-08-60	100	--	--	--	--	--		
461	02-12-64	--	--	--	--	--	--		
462	02-12-64	--	--	--	--	--	--		
463	06-02-64	BL	--	10	--	--	--		
464	02-12-64	--	--	--	--	--	--		
465	02-12-64	--	--	--	--	--	--		
466	02-12-64	--	--	--	--	--	--		
467	02-11-64	--	--	--	--	--	--		
468	02-12-64	--	--	--	--	--	--		
469	07-22-64	--	--	--	--	--	--		

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological Survey site identification	Date	Agency analyzing sample (abbreviated)	Total depth of well (feet)	Spe- cific con- ductance, lab (µS/cm)	pH, field (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bidity (JTU)
470	413715117501001	07-22-64	USGS	560.00	283	7.80	14.5	--	--
471	413717117491701	02-12-64	USGS	--	354	8.40	12.0	--	--
472	413717117515101	02-12-64	USGS	--	442	8.60	10.5	--	--
473	413758117510201	04-25-52	USGS	50.00	960	7.20	--	--	--
		02-12-64	USGS	--	603	8.50	11.5	--	--
474	413800117533001	02-12-64	USGS	--	483	8.60	11.0	--	--
475	413802117514601	02-12-64	USGS	12.00	946	8.60	10.5	--	--
476	413821117514301	06-03-64	USGS	390.00	237	7.80	16.5	--	--
477	413821117533601	02-12-64	USGS	22.00	576	8.60	11.0	--	--
478	413849118283201	10-04-60	USGS	--	354	7.60	16.0	--	--
479	413906117563501	02-28-64	USGS	95.00	483	8.50	12.0	--	--
480	413908117460801	06-02-64	USGS	350.00	437	8.30	18.0	--	--
481	413918118123901	06-22-59	USGS	470.00	291	7.60	--	--	--
482	413933117532801	02-12-64	USGS	--	967	8.60	--	--	--
483	413935117525501	02-12-64	USGS	19.00	728	8.70	10.5	--	--
484	413941117511001	02-29-64	USGS	--	401	8.30	11.5	--	--
485	413955117454801	02-12-64	USGS	--	492	8.50	--	--	--
486	414010117485301	06-02-64	USGS	385.00	463	7.50	15.0	--	--
487	414016117541701	02-12-64	USGS	35.00	285	8.40	12.0	--	--
488	414020118110801	06-22-59	USGS	710.00	293	7.50	--	--	--
489	414030117500101	07-22-64	USGS	450.00	322	7.90	11.5	--	--
490	414047117482001	02-12-64	USGS	--	338	7.70	14.0	--	--
491	414049117315001	06-29-76	NBLR	--	--	8.10	--	3	1
492	414049117325901	06-29-76	NBLR	--	--	7.30	--	3	1
493	414057117523001	02-29-64	USGS	--	366	8.40	11.5	--	--
494	414057117534101	02-29-64	USGS	--	412	8.60	13.5	--	--
495	414114117543101	02-12-64	USGS	76.00	417	8.50	14.0	--	--
496	414211118143101	06-22-59	USGS	478.00	1,130	7.50	--	--	--
		06-02-64	USGS	--	476	7.40	16.0	--	--
497	414219118154801	06-22-59	USGS	--	303	8.00	26.0	--	--
498	414224117520801	02-12-64	USGS	--	628	8.60	11.0	--	--
499	414230118102001	06-07-64	USGS	500.00	239	7.30	16.0	--	--
500	41423118080201	06-02-64	USGS	400.00	332	7.50	13.5	--	--
501	414243118113101	06-02-64	USGS	410.00	460	8.10	13.5	--	--
502	414257117474701	06-02-64	USGS	735.00	327	7.70	14.5	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, 1) (plate 1)	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld (mg/L as CaCO ₃)	Calcium, total reco- verable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total reco- verable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total reco- verable (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, total reco- verable (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
470	07-22-64	90	BL	--	29	--	--	--	--	--	E19	--	--
471	02-12-64	130	44	--	42	--	--	--	--	--	E17	--	--
472	02-12-64	170	2	--	55	--	--	--	--	--	E28	--	--
473	04-25-52	300	150	--	84	--	--	88	--	--	--	--	4.7
	02-12-64	200	54	--	59	--	--	--	--	--	E43	--	--
474	02-12-64	100	BL	--	33	--	--	--	--	--	E63	--	--
475	02-12-64	170	BL	--	48	--	--	--	--	--	E140	--	--
476	06-03-64	80	BL	--	24	--	--	18	--	--	--	--	1.8
477	02-12-64	130	BL	--	38	--	--	--	--	--	E75	--	--
478	10-04-60	83	BL	--	26	--	4.4	45	--	2	--	--	3.8
479	02-28-64	68	BL	--	19	--	--	--	--	--	E76	--	--
480	06-02-64	180	19	--	53	--	--	23	--	--	--	--	2.2
481	06-22-59	100	BL	--	29	--	--	21	--	--	--	--	3.2
482	02-12-64	160	BL	--	49	--	--	--	--	--	E140	--	--
483	02-12-64	230	BL	--	72	--	--	--	--	--	E69	--	--
484	02-29-64	120	9	--	33	--	--	--	--	--	E36	--	--
485	02-12-64	190	6	--	58	--	--	--	--	--	E29	--	--
486	06-02-64	180	75	--	58	--	--	20	--	--	--	--	1.8
487	02-12-64	72	BL	--	22	--	--	--	--	--	E33	--	--
488	06-22-59	110	BL	--	28	--	--	17	--	--	--	--	3.0
489	07-22-64	130	18	--	37	--	--	--	--	--	E14	--	--
490	02-12-64	100	50	--	31	--	--	--	--	--	E22	--	--
491	06-29-76	49	--	18	--	1.0	--	10	--	--	--	1.0	--
492	06-29-76	31	--	9.0	--	2.0	--	9.0	--	--	--	3.0	--
493	02-29-64	130	13	--	40	--	--	--	--	--	E27	--	--
494	02-29-64	120	BL	--	35	--	--	--	--	--	E39	--	--
495	02-12-64	120	BL	--	36	--	--	--	--	--	E38	--	--
496	06-22-59	380	200	--	99	--	--	78	--	--	--	--	12
	06-02-59	170	24	--	47	--	--	32	--	--	--	--	4.3
497	06-02-64	86	BL	--	25	--	--	27	--	--	--	--	6.3
	06-22-59			--		--	--		--	--	--	--	
498	02-12-64	160	BL	--	44	--	--	--	--	--	E62	--	--
499	06-07-64	120	BL	--	28	--	--	23	--	--	--	--	5.2
500	06-02-64	120	BL	--	29	--	--	20	--	--	--	--	4.1
501	06-02-64	180	50	--	40	--	--	23	--	--	--	--	5.1
502	06-02-64	130	16	--	42	--	--	14	--	--	--	--	3.9

TABLE 6.---Water-quality data and other information for wells and springs---Continued

PART A: Determinations from chemical analyses---Continued

Map number (plate 1) ¹	Date	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Alka- linity, lab (mg/L as CaCO ₃)	Sulfate (mg/L as SO ₄)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, total (mg/L as F)	Fluo- ride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, Residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
470	07-22-64	120	BL	--	--	20	9.0	--	--	--	--	--
471	02-12-64	97	6.0	--	--	57	15	--	--	--	--	--
472	02-12-64	181	13	--	--	37	17	--	--	--	--	--
473	04-25-52	181	BL	--	--	150	120	--	0.10	39	--	--
	02-12-64	152	12	--	--	63	57	--	--	--	--	--
474	02-12-64	164	12	--	--	44	30	--	--	--	--	--
475	02-12-64	285	20	--	--	110	62	--	--	--	--	--
476	06-03-64	109	BL	--	--	21	7.5	--	.30	21	--	--
477	02-12-64	192	12	--	--	56	38	--	--	--	--	--
478	10-04-60	136	BL	--	--	40	21	--	2.0	54	262	--
479	02-28-64	137	7.0	--	--	49	42	--	--	--	--	--
480	06-02-64	183	4.0	--	--	47	16	--	.20	24	--	--
481	06-22-59	145	BL	--	--	13	13	--	.20	45	--	--
482	02-12-64	274	21	--	--	110	76	--	--	--	--	--
483	02-12-64	251	23	--	--	69	47	--	--	--	--	--
484	02-29-64	136	2.0	--	--	52	23	--	--	--	--	--
485	02-12-64	205	11	--	--	48	14	--	--	--	--	--
486	06-02-64	134	BL	--	--	52	38	--	BL	23	--	--
487	02-12-64	116	4.0	--	--	20	15	--	--	--	--	--
488	06-22-59	164	BL	--	--	9.7	8.6	--	.10	48	--	--
489	07-22-64	138	BL	--	--	28	14	--	--	--	--	--
490	02-12-64	64	BL	--	--	44	36	--	--	--	--	--
491	06-29-76	85	BL	70	5.0	--	7.0	0.1	--	--	--	103
492	06-29-76	61	BL	50	4.0	--	4.0	.1	--	--	--	85
493	02-29-64	128	7.0	--	--	41	21	--	--	--	--	--
494	02-29-64	159	13	--	--	28	19	--	--	--	--	--
495	02-12-64	164	8.0	--	--	29	18	--	--	--	--	--
496	06-22-59	228	BL	--	--	110	150	--	BL	55	--	--
	06-02-64	183	BL	--	--	43	30	--	.40	40	--	--
497	06-22-59	117	BL	--	--	20	22	--	.10	54	--	--
498	02-12-64	204	12	--	--	56	36	--	--	--	--	--
499	06-07-64	158	BL	--	--	15	20	--	.20	55	--	--
500	06-02-64	156	BL	--	--	14	20	--	.10	51	--	--
501	06-02-64	154	BL	--	--	32	49	--	.10	57	--	--
502	06-02-64	139	BL	--	--	35	12	--	.10	48	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued											
Map number, ¹ (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, total (mg/L as NO ₃)	Nitro- gen, dis- solved (mg/L as NO ₃)	Arsenic, total (µg/L as As)	Boron, dis- solved (µg/L as B)	Iron, total reco- verable (µg/L as Fe)	Iron (µg/L as Fe)	Manga- nese (µg/L as Mn)		
470	07-22-64	--	--	--	--	--	--	--	--	--	--
471	02-12-64	--	--	--	--	--	--	--	--	--	--
472	02-12-64	--	--	--	--	--	--	--	--	--	--
473	04-25-52	608	--	1.5	--	100	80	--	--	--	--
	02-12-64	--	--	--	--	--	--	--	--	--	--
474	02-12-64	--	--	--	--	--	--	--	--	--	--
475	02-12-64	--	--	--	--	--	--	--	--	--	--
476	06-03-64	154	--	1.9	--	BL	10	--	--	--	--
477	02-12-64	--	--	--	--	--	--	--	--	--	--
478	10-04-60	263	--	.70	--	160	--	--	--	--	--
479	02-28-64	--	--	--	--	--	--	--	--	--	--
480	06-02-64	273	--	2.3	--	100	70	--	--	--	--
481	06-22-59	204	--	.70	--	100	130	--	--	--	--
482	02-12-64	--	--	--	--	--	--	--	--	--	--
483	02-12-64	--	--	--	--	--	--	--	--	--	--
484	02-29-64	--	--	--	--	--	--	--	--	--	--
485	02-12-64	--	--	--	--	--	--	--	--	--	--
486	06-02-64	281	--	12	--	BL	10	--	--	--	--
487	02-12-64	--	--	--	--	--	--	--	--	--	--
488	06-22-59	208	--	.40	--	100	180	--	--	--	--
489	07-22-64	--	--	--	--	--	--	--	--	--	--
490	02-12-64	--	--	--	--	--	--	--	--	--	--
491	06-29-76	--	2.3	--	5	--	--	180	10	--	--
492	06-29-76	--	1.1	--	BL	--	--	BL	BL	--	--
493	02-29-64	--	--	--	--	--	--	--	--	--	--
494	02-29-64	--	--	--	--	--	--	--	--	--	--
495	02-12-64	--	--	--	--	--	--	--	--	--	--
496	06-22-59	705	--	56	--	200	630	--	--	--	--
	06-02-64	302	--	.80	--	100	80	--	--	--	--
497	06-22-59	219	--	.20	--	100	140	--	--	--	--
498	02-12-64	--	--	--	--	--	--	--	--	--	--
499	06-07-64	239	--	2.2	--	100	110	--	--	--	--
500	06-02-64	229	--	2.2	--	BL	100	--	--	--	--
501	06-02-64	302	--	2.1	--	BL	530	--	--	--	--
502	06-02-64	232	--	2.3	--	100	20	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	U.S. Geological Survey site identification 1	Date	Agency ana- lyzing sample (abbrevi- ated)	Total depth of well (feet)	Spe- cific con- duct- ance, field (µS/cm)	Spe- cific con- duct- ance, lab (µS/cm)	pH, field (stand- ard units)	pH, lab (stand- ard units)	Water temper- ature (deg C)	Color (plati- num cobalt units)	Tur- bid- ity (JTU)
503	414257117485301	06-03-64	USGS	250.00	--	340	--	7.70	14.5	--	--
504	414310118102001	06-02-64	USGS	358.00	--	294	--	8.00	15.5	--	--
505	414315117511001	02-29-64	USGS	--	--	654	--	8.60	11.0	--	--
506	414316118301701	10-07-60	USGS	--	--	401	--	9.30	58.0	--	--
		01-01-74	--	--	400	--	9.20	--	56.0	--	--
507	414320118312301	10-07-60	USGS	--	--	398	--	9.30	73.0	--	--
508	414327117463501	07-22-64	USGS	410.00	--	360	--	8.00	11.5	--	--
509	414422118124201	06-02-64	USGS	590.00	--	325	--	7.50	15.0	--	--
510	414458118301301	10-05-60	USGS	123.00	--	338	--	7.70	15.0	--	--
511	414636118134701	06-22-59	USGS	--	--	530	--	8.10	--	--	--
512	414925117450201	02-12-64	USGS	88.00	--	525	--	8.40	11.0	--	--
513	415103117413501	02-11-64	USGS	--	--	246	--	7.80	--	--	--
514	415159117212501*	08-12-80	NBLR	--	--	--	--	7.00	--	3	BL
515	415233117414901	02-11-64	USGS	60.00	--	588	--	8.00	--	--	--
516	415252118480301	05-06-61	USGS	--	--	622	--	7.50	11.0	--	--
517	415317117402901	02-11-64	USGS	30.00	--	300	--	7.40	--	--	--
518	415518118423301	01-01-74	--	--	947	--	8.00	--	80.0	--	--
519	415523118420201*	01-01-74	--	--	934	--	7.50	--	90.0	--	--
		01-01-78	--	--	--	--	8.40	--	92.0	--	--
520	415527118481501*	01-01-74	--	--	356	--	9.05	--	54.0	--	--
521	415527118481701	05-06-61	USGS	--	--	345	--	8.40	55.5	--	--
522	415528118481601*	02-19-74	--	--	386	--	--	8.95	55.0	--	--
523	415620117394801	02-12-64	USGS	30.00	--	236	--	8.40	--	--	--
524	415628117414102	09-30-76	--	715.00	210	--	--	--	21.0	--	--
525	415642117460402	04-23-76	--	270.00	--	--	--	--	26.0	--	--
526	415652117460402	04-23-76	--	200.00	--	--	--	--	26.5	--	--
527	415659117402701	02-12-64	USGS	--	--	333	--	8.20	8.5	--	--
528	415703117363801	03-08-64	USGS	32.00	--	312	--	8.40	8.0	--	--
529	415719117425101	06-16-76	--	701.00	323	--	--	--	33.5	--	--
530	415920117430201	05-27-76	--	600.00	384	--	--	--	22.5	--	--
531	415921117435601	02-12-64	USGS	--	--	328	--	8.40	8.0	--	--
532	415932117432801	02-12-64	USGS	--	--	315	--	8.40	--	--	--
533	415946117401601	10-15-54	USGS	--	--	985	--	7.00	--	--	--
534	415956117465201	05-27-76	--	--	384	--	--	--	22.5	--	--
		05-27-76	--	--	278	--	--	--	16.5	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1) ¹	Date	Hard- ness, total (mg/L as CaCO ₃)	Hard- ness, noncarb, wh wat, tot fld (mg/L as CaCO ₃)	Calcium, total reco- verable (mg/L as Ca)	Calcium, dis- solved (mg/L as Ca)	Magne- sium, total reco- verable (mg/L as Mg)	Magne- sium, dis- solved (mg/L as Mg)	Sodium, total reco- verable (mg/L as Na)	Sodium, dis- solved (mg/L as Na)	Sodium ad- sorp- tion ratio	Sodium+ potas- sium, dis- solved (mg/L as Na)	Potas- sium, total reco- verable (mg/L as K)	Potas- sium, dis- solved (mg/L as K)
503	06-03-64	130	24	--	42	--	--	--	17	--	--	3.4	3.4
504	06-02-64	120	BL	--	29	--	--	--	13	--	--	3.4	--
505	02-29-64	140	BL	--	31	--	--	--	--	--	E89	--	--
506	10-07-60	8	BL	--	2.4	--	0.50	--	91	15	--	2.0	--
	01-01-74	--	--	--	3.0	--	<.10	--	88	--	--	1.7	--
507	10-07-60	8	BL	--	3.2	--	BL	--	90	15	--	2.3	--
508	07-22-64	140	26	--	37	--	--	--	25	--	E19	--	--
509	06-02-64	110	BL	--	28	--	--	--	30	1	--	3.7	--
510	10-05-60	100	BL	--	28	--	7.5	--	57	--	--	5.8	--
511	06-22-59	140	BL	--	28	--	--	--	--	--	--	4.2	--
512	02-12-64	170	12	--	43	--	--	--	--	--	E43	--	--
513	02-11-64	85	BL	--	23	--	--	--	--	--	--	--	--
514	08-12-80	28	--	8.0	--	2.0	--	11	--	--	--	5.0	--
515	02-11-64	140	BL	--	41	--	--	--	--	--	--	--	--
516	05-06-61	85	BL	--	22	--	7.3	--	100	5	--	14	--
517	02-11-64	98	BL	--	24	--	--	--	--	--	--	--	--
518	01-01-74	--	--	--	8.4	--	<.10	--	180	--	--	8.7	--
519	01-01-74	26	BL	--	10	--	.10	--	180	16	--	8.2	--
	01-01-78	25	--	--	9.6	--	.22	--	180	17	--	8.0	--
520	01-01-74	--	--	--	.20	--	<.10	--	81	--	--	1.0	--
521	05-06-61	1	BL	--	.40	--	BL	--	78	36	--	.60	--
522	02-19-74	BL	--	--	.14	--	.02	--	89	61	--	1.5	--
523	02-12-64	61	BL	--	17	--	--	--	--	--	E28	--	--
524	09-30-76	44	BL	--	13	--	2.8	--	21	1	--	8.7	--
525	04-23-76	23	BL	--	7.7	--	1.0	--	88	8	--	3.2	--
526	04-23-76	27	BL	--	7.8	--	1.8	--	89	8	--	3.4	--
527	02-12-64	96	BL	--	29	--	--	--	--	--	E31	--	--
528	03-08-64	98	BL	--	28	--	--	--	--	--	E29	--	--
529	06-16-76	15	BL	--	5.8	--	.20	--	58	7	--	12	--
530	05-27-76	72	BL	--	24	--	3.0	--	48	3	--	8.0	--
531	02-12-64	82	BL	--	23	--	--	--	--	--	E38	--	--
532	02-12-64	85	BL	--	24	--	--	--	--	--	E35	--	--
533	10-15-54	340	250	--	100	--	--	--	53	--	--	6.5	--
534	05-27-76	72	BL	--	24	--	3.0	--	48	3	--	8.0	--
	05-27-76	50	BL	--	16	--	2.4	--	36	2	--	3.4	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number, ¹ (plate 1)	Date	Bicar- bonate, wh wat, FET-FLD (mg/L as HCO ₃)	Bicar- bonate, IT-LAB (mg/L as HCO ₃)	Bicar- bonate, FET-LAB (mg/L as HCO ₃)	Car- bonate, wh wat, FET-FLD (mg/L as CO ₃)	Car- bonate, IT-LAB (mg/L as CO ₃)	Car- bonate, FET-LAB (mg/L as CO ₃)	Alka- linity, wh wat, total FET-FLD (mg/L as CaCO ₃)	Alka- linity, lab (mg/L as CaCO ₃)
503	06-03-64	--	124	--	--	BL	--	--	--
504	06-02-64	--	158	--	--	BL	--	--	--
505	02-29-64	--	212	--	--	16	--	--	--
506	10-07-60	--	52	--	--	39	--	--	--
	01-01-74	130	--	--	--	--	--	104	--
507	10-07-60	--	58	--	--	41	--	--	--
508	07-22-64	--	136	--	--	BL	--	--	--
509	06-02-64	--	148	--	--	BL	--	--	--
510	10-05-60	--	128	--	--	BL	--	--	--
511	06-22-59	--	208	--	--	BL	--	--	--
512	02-12-64	--	176	--	--	10	--	--	--
513	02-11-64	--	108	--	--	BL	--	--	--
514	08-12-80	--	44	--	--	BL	--	--	36
515	02-11-64	--	254	--	--	BL	--	--	--
516	05-06-61	--	353	--	--	BL	--	--	--
517	02-11-64	--	136	--	--	BL	--	--	--
518	01-01-74	140	--	--	2	--	--	117	--
519	01-01-74	160	--	--	<1	--	--	128	--
	01-01-78	--	--	--	--	--	--	134	--
520	01-01-74	120	--	--	11	--	--	113	--
521	05-06-61	--	113	--	--	6.0	--	--	--
522	02-19-74	--	--	80	--	--	22	--	--
523	02-12-64	--	99	--	--	1.0	--	--	--
524	09-30-76	79	--	--	--	--	--	65	--
525	04-23-76	180	--	--	--	--	--	144	--
526	04-23-76	180	--	--	--	--	--	146	--
527	02-12-64	--	146	--	--	BL	--	--	--
528	03-08-64	--	131	--	--	7.0	--	--	--
529	06-16-76	120	--	--	--	--	--	98	--
530	05-27-76	130	--	--	--	--	--	105	--
531	02-12-64	--	136	--	--	4.0	--	--	--
532	02-12-64	--	136	--	--	4.0	--	--	--
533	10-15-54	--	109	--	--	BL	--	--	--
534	05-27-76	130	--	--	--	--	--	105	--
	05-27-76	110	--	--	--	--	--	94	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number 1 (plate 1)	Date	Sulfate (mg/L as SO ₄)	Sulfate dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluo- ride, dis- solved (mg/L as F)	Bromide, dis- solved (mg/L as Br)	Iodide, dis- solved (mg/L as I)	Silica, dis- solved (mg/L as SiO ₂)	Solids, residue at 180 deg. C, dis- solved (mg/L)	Residue at 105 deg. C, dis- solved (mg/L)
503	06-03-64	--	37	22	--	--	--	39	--	--
504	06-02-64	--	9.0	12	--	--	--	52	--	--
505	02-29-64	--	70	43	--	--	--	--	--	--
506	10-07-60	--	64	14	7.9	--	--	84	324	--
	01-01-74	--	62	10	--	--	--	85	--	--
507	10-07-60	--	46	12	8.0	--	--	84	344	--
508	07-22-64	--	29	26	--	--	--	--	--	--
509	06-02-64	--	19	18	.30	--	--	60	--	--
510	10-05-60	--	26	26	.20	--	--	39	239	--
511	06-22-59	--	28	50	.20	--	--	4.9	--	--
512	02-12-64	--	59	31	--	--	--	--	--	--
513	02-11-64	--	--	9.2	--	--	--	--	--	--
514	08-12-80	7.0	--	8.0	0.2	--	--	--	--	102
515	02-11-64	--	--	28	--	--	--	--	--	--
516	03-06-61	--	19	16	.80	--	--	45	557	--
517	02-11-64	--	--	8.7	--	--	--	--	--	--
518	01-01-74	--	220	48	7.1	2.0	0.030	160	--	--
519	01-01-74	--	230	47	6.8	.20	.020	150	--	--
	01-01-78	--	48	49	--	--	--	150	--	--
520	01-01-74	--	45	15	1.7	.20	<.010	57	--	--
521	05-06-61	--	41	15	2.0	--	--	51	262	--
522	02-19-74	--	47	30	2.1	--	--	60	--	--
523	02-12-64	--	20	13	--	--	--	--	--	--
524	09-30-76	--	13	13	.20	--	--	69	188	--
525	04-23-76	--	49	19	5.3	--	--	56	--	--
526	04-23-76	--	49	19	5.3	--	--	56	--	--
527	02-12-64	--	21	16	--	--	--	--	--	--
528	03-08-64	--	18	16	--	--	--	--	--	--
529	06-16-76	--	26	14	2.6	--	--	110	322	--
530	05-27-76	--	39	22	1.1	--	--	77	288	--
531	02-12-64	--	27	14	--	--	--	--	--	--
532	02-12-64	--	26	12	--	--	--	--	--	--
533	10-15-54	--	100	180	.20	--	--	67	--	--
534	05-27-76	--	39	22	1.1	--	--	77	288	--
	05-27-76	--	18	10	2.2	--	--	48	198	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Solids, sum of consti- tuents, dis- solved (mg/L)	Nitro- gen, nitrate, dis- solved (mg/L as N)	Nitro- gen, nitrate, dis- solved (mg/L as NO ₃)	Nitro- gen, nitrite, dis- solved (mg/L as N)	Nitro- gen, NO ₂ + NO ₃ , dis- solved (mg/L as N)	Nitro- gen, ammonia, total (mg/L as N)	Phos- phorus, total (mg/L as PO ₄)	Phos- phorus, dis- solved (mg/L as PO ₄)	Arsenic, total (μg/L as As)	Arsenic, dis- solved (μg/L as As)
503	06-03-64	229	--	--	--	--	--	--	--	--	--
504	06-02-64	210	--	2.5	--	--	--	--	--	--	--
505	02-29-64	--	--	1.4	--	--	--	--	--	--	--
506	10-07-60	371	--	--	--	--	--	--	--	--	--
	01-01-74	--	--	.10	--	--	--	--	--	--	--
507	10-07-60	358	--	--	--	--	--	--	--	--	--
508	07-22-64	--	--	.20	--	--	--	--	--	--	--
509	06-02-64	240	--	--	--	--	--	--	--	--	--
510	10-05-60	226	--	3.5	--	--	--	--	--	--	--
511	06-22-59	298	--	BL	--	--	--	--	--	--	--
512	02-12-64	--	--	--	--	--	--	--	--	--	--
513	02-11-64	--	--	--	--	--	--	--	--	--	--
514	08-12-80	--	2.2	--	--	--	--	--	--	BL	--
515	02-11-64	--	--	--	--	--	--	--	--	--	--
516	05-06-61	402	--	.20	--	--	--	--	--	--	--
517	02-11-64	--	--	--	--	--	--	--	--	--	--
518	01-01-74	--	--	--	--	--	--	--	--	--	70
519	01-01-74	711	--	--	--	--	0.200	0.07	--	--	10
	01-01-78	532	--	--	--	--	--	.04	--	--	50
520	01-01-74	--	--	--	--	--	.100	.22	--	--	20
521	05-06-61	256	--	.50	--	--	--	.07	--	--	--
522	02-19-74	316	0.360	1.6	--	--	--	--	0.20	--	1
523	02-12-64	--	--	--	--	--	--	--	--	--	--
524	09-30-76	182	.420	--	0.010	0.430	--	--	--	--	3
525	04-23-76	316	.060	.27	<.010	.060	--	--	--	--	27
526	04-23-76	320	.110	.49	<.010	.110	--	--	--	--	30
527	02-12-64	--	--	--	--	--	--	--	--	--	--
528	03-08-64	--	--	--	--	--	--	--	--	--	--
529	06-16-76	290	.540	2.4	.010	.550	--	--	--	--	32
530	05-27-76	289	.940	4.2	<.010	.940	--	--	--	--	12
531	02-12-64	--	--	--	--	--	--	--	--	--	--
532	02-12-64	--	--	--	--	--	--	--	--	--	--
533	10-15-54	599	--	5.0	--	--	--	--	--	--	--
534	05-27-76	289	.940	4.2	<.010	.940	--	--	--	--	12
	05-27-76	193	.100	.44	<.010	.100	--	--	--	--	9

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART A: Determinations from chemical analyses--Continued

Map number (plate 1)	Date	Boron, dissolved (µg/L as B)	Copper, dissolved (µg/L as Cu)	Iron, total recoverable (µg/L as Fe)	Iron, dissolved (µg/L as Fe)	Manga- nese, dissolved (µg/L as Mn)	Manga- nese (µg/L as Mn)	Mercury, dissolved (µg/L as Hg)	Zinc, dissolved (µg/L as Zn)
503	06-03-64	BL	--	10	--	--	--	--	--
504	06-02-64	BL	--	20	--	--	--	--	--
505	02-29-64	--	--	--	--	--	--	--	--
506	10-07-60	260	--	--	--	--	--	--	--
	01-01-74	--	--	--	--	--	--	--	--
507	10-07-60	210	--	--	--	--	--	--	--
508	07-22-64	--	--	--	--	--	--	--	--
509	06-02-64	BL	--	20	--	--	--	--	--
510	10-05-60	80	--	--	--	--	--	--	--
511	06-22-59	100	--	2,400	--	--	--	--	--
512	02-12-64	--	--	--	--	--	--	--	--
513	02-11-64	--	--	--	--	--	--	--	--
514	08-12-80	--	--	--	50	--	BL	--	--
515	02-11-64	--	--	--	--	--	--	--	--
516	05-06-61	570	--	--	--	--	--	--	--
517	02-11-64	--	--	--	--	--	--	--	--
518	01-01-74	2,900	<20	--	<20	<20	--	--	--
519	01-01-74	2,100	20	--	<20	<20	--	1.3	--
	01-01-78	2,000	160	--	170	14	--	<4.0	15
520	01-01-74	910	<20	--	30	<20	--	<.5	--
521	05-06-61	660	--	--	--	--	--	--	--
522	02-19-74	--	<20	--	90	<10	--	<.5	600
523	02-12-64	--	--	--	--	--	--	--	--
524	09-30-76	60	--	--	200	<10	--	--	--
525	04-23-76	360	--	--	--	--	--	--	--
526	04-23-76	350	--	--	--	--	--	--	--
527	02-12-64	--	--	--	--	--	--	--	--
528	03-08-64	--	--	--	--	--	--	--	--
529	06-16-76	370	--	--	<10	--	--	--	--
530	05-27-76	150	--	--	20	--	--	--	--
531	02-12-64	--	--	--	--	--	--	--	--
532	02-12-64	--	--	--	--	--	--	--	--
533	10-15-54	--	--	30	--	--	--	--	--
534	05-27-76	150	--	--	20	--	--	--	--
	05-27-76	150	--	--	<10	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses

Map number 1, (plate 1)	Date	Hydro- gen sulfide, total (mg/L as H ₂ S)	Hydrox- ide, wh wat, FET-FLD (mg/L as OH)	Nitro- gen, ammo- nic + organic, dis- solved (mg/L as N)	Phos- phorus, ortho, dis- solved (mg/L as P)	Alum- inum, dis- solved (µg/L as Al)	Anti- mony, dis- solved (µg/L as Sb)	Barium, dis- solved (µg/L as Ba)	Beryl- lium, dis- solved (µg/L as Be)	Bismuth, dis- solved (µg/L as Bi)
2	11-18-87	--	--	0.60	0.140	<10	3	100	--	--
4	02-16-81	--	--	--	--	--	--	--	--	--
5	03-16-81	--	--	--	--	--	--	110	<3	--
6	03-17-81	--	--	--	--	--	--	150	<2	--
7	03-10-81	--	--	--	--	--	--	130	<2	--
9	03-12-81	--	--	--	--	--	--	110	<2	--
10	03-11-81	--	--	--	--	--	--	160	<2	--
11	02-20-81	--	--	--	--	--	--	240	<2	--
12	06-02-60	--	BL	--	--	520	--	65	--	--
13	09-08-60	--	BL	--	--	BL	--	--	--	--
14	07-06-79	<0.5	--	--	--	80	--	--	--	--
15	03-14-81	--	--	--	--	--	--	80	<2	--
16	04-02-81	--	--	--	--	--	--	60	<2	--
18	09-08-60	--	BL	--	--	--	--	--	--	--
19	03-19-81	--	--	--	--	--	--	80	<2	--
30	02-20-74	--	--	--	--	--	100	<100	<5	<100
37	06-03-80	--	--	--	--	<30	<400	92	<1	--
38	01-01-74	--	--	--	--	40	--	--	--	--
39	06-03-80	--	--	--	--	<30	<400	86	<1	--
41	06-03-80	--	--	--	--	<30	<400	60	<1	--
42	11-06-51	--	--	--	--	--	--	--	--	--
54	05-15-52	--	--	--	--	--	--	--	--	--
56	02-20-74	--	--	--	--	--	<100	460	<5	<100
57	01-01-74	--	--	--	--	10	--	--	--	--
58	01-01-77	--	--	--	--	--	--	--	--	--
64	10-30-78	--	--	--	--	--	<10	<500	--	--
70	01-01-77	--	--	--	--	--	--	--	--	--
71	01-01-77	--	--	--	--	--	--	--	--	--
72	01-01-77	--	--	--	--	--	--	--	--	--
73	05-15-52	--	--	--	--	--	--	--	--	--
74	01-01-77	--	--	--	--	--	--	--	--	--
75	08-22-78	--	--	--	--	<10	--	--	--	--
76	10-30-78	--	--	--	--	10	30	<500	--	--
76	08-30-78	--	--	--	--	<10	--	--	--	--
76	08-29-78	--	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number (plate 1)	Date	Cadmium, dis- solved (µg/L as Cd)	Cesium, dis- solved (µg/L as Cs)	Chro- mium, dis- solved (µg/L as Cr)	Cobalt, dis- solved (µg/L as Co)	Gallium, dis- solved (µg/L as Ga)	Ger- manium, dis- solved (µg/L as Ge)	Lead, dis- solved (µg/L as Pb)	Lithium, dis- solved (µg/L as Li)	Manga- nese, total recov- erable (µg/L as Mn)	Molyb- denum, dis- solved (µg/L as Mo)	Nickel, dis- solved (µg/L as Ni)
2	11-18-87	<1	--	<1	--	--	--	<5	130	--	76	<1
4	02-16-81	--	--	--	--	--	--	--	3,000	--	--	--
5	03-16-81	<3	--	--	<9	--	--	<30	1,100	--	<30	--
6	03-17-81	<2	--	--	<6	--	--	27	1,800	--	<20	--
7	03-10-81	<2	--	--	<6	--	--	<20	1,600	--	<20	--
9	03-12-81	<2	--	--	<6	--	--	<20	1,700	--	<20	--
10	03-11-81	3	--	--	<6	--	--	93	1,600	--	<20	--
11	02-20-81	<2	--	--	<6	--	--	<20	2,000	--	<20	--
12	06-02-60	--	--	--	--	--	--	BL	1,800	--	--	--
13	09-08-60	--	--	--	--	--	--	--	2,500	--	--	--
14	07-06-79	--	100	--	--	--	--	--	1,500	--	--	--
15	03-14-81	<2	--	--	<6	--	--	<20	1,100	--	<20	--
16	04-02-81	<2	--	--	<6	--	--	56	1,800	--	<20	--
18	09-08-60	--	--	--	--	--	--	--	3,300	--	--	--
19	03-19-81	<2	--	--	<6	--	--	<20	970	--	<20	--
30	02-20-74	<20	1,300	<20	--	--	--	<20	700	--	--	<20
37	06-03-80	<7	--	<10	<9	<70	<80	<50	<10	--	<80	<40
38	01-01-74	--	200	--	--	--	--	--	1,200	--	--	--
39	06-03-80	<7	--	<10	<9	<70	<80	<50	<10	--	<80	<40
41	06-03-80	<7	--	<10	<9	<70	<80	<50	<10	--	<80	<40
42	11-06-51	--	--	--	--	--	--	--	--	BL	--	--
54	05-15-52	--	--	--	--	--	--	--	--	BL	--	--
56	02-20-74	<20	2,800	<20	--	--	--	50	5,300	--	--	<20
57	01-01-74	--	500	--	--	--	--	--	3,100	--	--	--
58	01-01-77	--	--	--	--	--	--	--	220	--	--	--
64	10-30-78	--	--	--	--	--	--	--	<50	--	--	--
70	01-01-77	--	--	--	--	--	--	--	60	--	--	--
71	01-01-77	--	--	--	--	--	--	--	8	--	--	--
72	01-01-77	--	--	--	--	--	--	--	8	--	--	--
73	05-15-52	--	--	--	--	--	--	--	--	BL	--	--
74	01-01-77	--	--	--	--	--	--	--	4	--	--	--
	08-22-78	--	--	--	--	--	--	--	9	--	--	--
	10-30-78	--	--	--	--	--	--	--	<50	--	--	--
75	08-30-78	--	--	--	--	--	--	--	30	--	--	--
76	08-29-78	--	--	--	--	--	--	--	110	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number (plate 1)	Date	Rubidium, dis- solved (µg/L as Rb)	Selenium, dis- solved (µg/L as Se)	Silver, dis- solved (µg/L as Ag)	Strontium, dis- solved (µg/L as Sr)	Tin, dis- solved (µg/L as Sn) (A.A.S. DIRECT)	Titanium, dis- solved (µg/L as Ti)	Vanadium, dis- solved (µg/L as V)	Zirconium, dis- solved (µg/L as Zr)	Carbon, organic, dis- solved (mg/L as C)	Gas, argon (volume percent of dis- solved gases)	Gas, carbon dioxide (volume percent of dis- solved gases)
2	11-18-87	--	<1	<1.0	--	--	--	85	--	2.2	--	--
4	02-16-81	--	--	--	5,600	--	--	--	--	--	--	--
5	03-16-81	--	--	--	940	--	--	<18	--	--	--	--
6	03-17-81	--	--	--	2,200	--	--	<12	--	--	--	--
7	03-10-81	--	--	--	1,400	--	--	<12	--	--	--	--
9	03-12-81	--	--	--	1,200	--	--	<12	--	--	--	--
10	03-11-81	--	--	--	1,700	--	--	<12	--	--	--	--
11	02-20-81	--	--	--	2,000	--	--	<12	--	--	--	--
12	06-02-60	--	--	--	780	--	--	--	--	--	--	--
13	09-08-60	--	--	--	--	--	--	--	--	--	--	--
14	07-06-79	--	--	--	1,600	--	--	--	--	--	1.3	2.5
15	03-14-81	--	--	--	900	--	--	<12	--	--	--	--
16	04-02-81	--	--	--	1,300	--	--	<12	--	--	--	--
18	09-08-60	--	--	--	--	--	--	--	--	--	--	--
19	03-19-81	--	--	--	730	--	--	<12	--	--	--	--
30	02-20-74	200	<1	<20	8,400	<50	--	--	--	--	--	--
37	06-03-80	--	<100	<3.0	490	<100	<2	<3	<5	--	--	--
38	01-01-74	260	--	--	760	--	--	--	--	--	--	--
39	06-03-80	--	<100	<3.0	540	<100	<2	<3	<5	--	--	--
41	06-03-80	--	<100	<3.0	320	<100	<2	<3	<5	--	--	--
42	11-06-51	--	--	--	--	--	--	--	--	--	--	--
54	05-15-52	--	--	--	--	--	--	--	--	--	--	--
56	02-20-74	1,600	<1	<20	160	<50	--	--	--	--	--	--
57	01-01-74	900	--	--	800	--	--	--	--	--	--	--
58	01-01-77	--	--	--	--	--	--	--	--	--	--	--
64	10-30-78	--	--	--	--	--	--	--	--	--	--	--
70	01-01-77	--	--	--	--	--	--	--	--	--	--	--
71	01-01-77	--	--	--	--	--	--	--	--	--	--	--
72	01-01-77	--	--	--	--	--	--	--	--	--	--	--
73	05-15-52	--	--	--	--	--	--	--	--	--	--	--
74	01-01-77	--	--	--	--	--	--	--	--	--	--	--
	08-22-78	--	--	--	--	--	--	--	--	--	--	--
	10-30-78	--	--	--	--	--	--	--	--	--	--	--
75	08-30-78	--	--	--	--	--	--	--	--	--	--	--
76	08-29-78	--	--	--	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number 1 (plate 1)	Date	Gas, ethane, (volume percent of dis- solved gases)	Gas, hydro- gen, (volume percent of dis- solved gases)	Gas, methane (volume percent of dis- solved gases)	Gas, oxygen (volume percent of dis- solved gases)	Gross alpha, dis- solved as U-NAT)	Gross beta, dis- solved as Cs-137)	Gross beta, dis- solved as Sr/ Y-90)	Radium- 226, dis- solved, radon method (pCi/L)	Trit- ium total (pCi/L)	Ura- nium, nat- ural, dis- solved (µg/L as U)
2	11-18-87	--	--	--	--	20	150	110	0.32	--	12
4	02-16-81	--	--	--	--	--	--	--	--	--	--
5	03-16-81	--	--	--	--	--	--	--	--	--	--
6	03-17-81	--	--	--	--	--	--	--	--	--	--
7	03-10-81	--	--	--	--	--	--	--	--	--	--
9	03-12-81	--	--	--	--	--	--	--	--	--	--
10	03-11-81	--	--	--	--	--	--	--	--	--	--
11	02-20-81	--	--	--	--	--	--	--	--	--	--
12	06-02-60	--	--	--	--	--	--	--	--	--	--
13	09-08-60	--	--	--	--	--	--	--	--	--	--
14	07-06-79	BL	2.9	2.6	<0.1	--	--	--	--	--	--
15	03-14-81	--	--	--	--	--	--	--	--	--	--
16	04-02-81	--	--	--	--	--	--	--	--	--	--
18	09-08-60	--	--	--	--	--	--	--	--	--	--
19	03-19-81	--	--	--	--	--	--	--	--	--	--
30	02-20-74	--	--	--	--	--	--	--	--	--	--
37	06-03-80	--	--	--	--	--	--	--	--	--	--
38	01-01-74	--	--	--	--	--	--	--	--	--	--
39	06-03-80	--	--	--	--	--	--	--	--	--	--
41	06-03-80	--	--	--	--	--	--	--	--	--	--
42	11-06-51	--	--	--	--	--	--	--	--	--	--
54	05-15-52	--	--	--	--	--	--	--	--	--	--
56	02-20-74	--	--	--	--	--	--	--	--	--	--
57	01-01-74	--	--	--	--	--	--	--	--	--	--
58	01-01-77	--	--	--	--	--	--	--	--	--	--
64	10-30-78	--	--	--	--	--	--	--	--	--	--
70	01-01-77	--	--	--	--	--	--	--	--	--	--
71	01-01-77	--	--	--	--	--	--	--	--	--	--
72	01-01-77	--	--	--	--	--	--	--	--	--	--
73	05-15-52	--	--	--	--	--	--	--	--	--	--
74	01-01-77	--	--	--	--	--	--	--	--	--	--
	08-22-78	--	--	--	--	--	--	--	--	16	--
	10-30-78	--	--	--	--	--	--	--	--	--	--
75	08-30-78	--	--	--	--	--	--	--	--	22	--
76	08-29-78	--	--	--	--	--	--	--	--	20	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number, I (plate 1)	Date	Hydro- gen sulfide, total (mg/L as H ₂ S)	Phos- phorus, dis- solved (mg/L as P)	Alum- inum, dis- solved (µg/L as Al)	Anti- mony, dis- solved (µg/L as Sb)	Barium, dis- solved (µg/L as Ba)	Beryl- lium, dis- solved (µg/L as Be)	Cadmium, dis- solved (µg/L as Cd)	Cobalt, dis- solved (µg/L as Co)
77	08-29-78	--	--	<10	--	--	--	--	--
	09-15-78	--	--	<10	--	--	--	--	--
78	01-01-77	--	--	--	--	--	--	--	--
79	08-24-78	--	--	10	--	--	--	--	--
80	11-28-86	--	--	--	--	--	--	--	--
81	01-01-77	--	--	--	--	--	--	--	--
	09-01-78	--	--	--	--	--	--	--	--
	09-14-78	--	--	<10	--	--	--	--	--
	10-30-78	--	--	20	20	<500	--	--	--
	12-28-83	E1.8	--	--	--	190	<0.5	<1	<3
83	10-30-78	--	--	--	20	<500	--	--	--
85	10-30-78	--	--	--	40	<500	--	--	--
87	10-30-78	--	--	--	30	<500	--	--	--
	03-20-79	--	--	--	--	--	--	--	--
88	06-17-72	2.8	0.070	9	<100	--	20	<10	<50
	12-28-83	E2.3	--	--	--	160	<.5	<1	<3
89	10-30-78	--	--	--	20	<500	--	--	--
	12-13-78	--	--	--	--	--	--	--	--
90	10-30-78	--	--	--	30	<500	--	--	--
91	01-01-77	--	--	--	--	--	--	--	--
	09-14-78	--	--	<10	--	--	--	--	--
	12-29-83	E1.0	--	--	--	180	<.5	<1	<3
92	10-30-78	--	--	--	20	<500	--	--	--
93	10-30-78	--	--	--	20	<500	--	--	--
95	08-23-78	--	--	<10	--	--	--	--	--
96	11-29-86	--	--	--	--	--	--	--	--
97	10-30-78	--	--	--	40	<500	--	--	--
98	08-23-78	--	--	40	--	--	--	--	--
99	08-23-78	--	--	20	--	--	--	--	--
	11-29-86	--	--	--	--	--	--	--	--
101	09-14-78	--	--	<10	--	--	--	--	--
	11-29-86	--	--	--	--	--	--	--	--
102	08-30-78	--	--	<10	--	--	--	--	--
	11-28-86	--	--	--	--	--	--	--	--
106	06-01-77	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number, ¹ (plate 1)	Date	Lead, dis- solved (µg/L as Pb)	Lithium, dis- solved (µg/L as Li)	Molyb- denum, dis- solved (µg/L as Mo)	Nickel, dis- solved (µg/L as Ni)	Rubi- dium, dis- solved (µg/L as Rb)	Selen- ium, dis- solved (µg/L as Se)	Silver, dis- solved (µg/L as Ag)	Stron- tium, dis- solved (µg/L as Sr)	Vana- dium, dis- solved (µg/L as V)	Trit- ium total (pCi/L)
77	08-29-78	--	240	--	--	--	--	--	--	--	15
	09-15-78	--	240	--	--	--	--	--	--	--	--
78	01-01-77	--	60	--	--	--	--	--	--	--	--
79	08-24-78	--	30	--	--	--	--	--	--	--	17
80	11-28-86	--	360	--	--	--	--	--	--	--	--
81	01-01-77	--	870	--	--	--	--	--	--	--	--
	09-01-78	--	--	--	--	--	--	--	--	--	--
	09-14-78	--	870	--	--	--	--	--	--	--	13
	10-30-78	--	800	--	--	--	--	--	--	--	--
	12-28-83	<10	780	<10	--	--	--	--	320	<6	--
83	10-30-78	--	800	--	--	--	--	--	--	--	--
85	10-30-78	--	850	--	--	--	--	--	--	--	--
87	10-30-78	--	870	--	--	--	--	--	--	--	--
	03-20-79	--	940	--	--	--	--	--	--	--	--
88	06-17-72	<100	1700	--	<50	120	<1	<20	290	--	--
	12-28-83	<10	780	<10	--	--	--	--	330	<6	--
89	10-30-78	--	520	--	--	--	--	--	--	--	--
	12-13-78	--	450	--	--	--	--	--	--	--	--
90	10-30-78	--	830	--	--	--	--	--	--	--	--
91	01-01-77	--	860	--	--	--	--	--	--	--	--
	09-14-78	--	830	--	--	--	--	--	--	--	11
	12-29-83	<10	780	<10	--	--	--	--	300	<6	--
92	10-30-78	--	870	--	--	--	--	--	--	--	--
93	10-30-78	--	900	--	--	--	--	--	--	--	--
95	08-23-78	--	50	--	--	--	--	--	--	--	19
96	11-29-86	--	8	--	--	--	--	--	--	--	--
97	10-30-78	--	890	--	--	--	--	--	--	--	--
98	08-23-78	--	30	--	--	--	--	--	--	--	--
99	08-23-78	--	810	--	--	--	--	--	--	--	7.9
	11-29-86	--	760	--	--	--	--	--	--	--	--
101	09-14-78	--	810	--	--	--	--	--	--	--	--
	11-29-86	--	800	--	--	--	--	--	--	--	--
102	08-30-78	--	910	--	--	--	--	--	--	--	--
	11-28-86	--	8	--	--	--	--	--	--	--	--
106	06-01-77	--	30	--	--	--	--	--	--	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number 1 ¹ (plate 1)	Date	Alum- inum, dis- solved (µg/L as Al)	Anti- mony, dis- solved (µg/L as Sb)	Barium, total recov- erable (µg/L as Ba)	Barium, dis- solved (µg/L as Ba)	Beryl- lium, dis- solved (µg/L as Be)	Bismuth, dis- solved (µg/L as Bi)	Cadmium, dis- solved (µg/L as Cd)
107	01-01-77	--	--	--	--	--	--	--
	08-22-78	--	--	--	--	--	--	--
108	08-31-78	<10	--	--	--	--	--	--
109	01-18-80	--	--	130	<1	--	--	9
110	02-05-80	--	--	--	--	--	--	--
115	05-08-81	--	--	--	--	--	--	--
117	01-01-74	10	--	--	--	--	--	--
	01-01-78	400	<10	230	<15	--	--	<3
130	01-28-80	--	--	--	--	--	--	--
131	02-19-74	--	300	--	<40	<5	<100	10
132	01-16-80	--	--	--	80	<1	--	4
133	01-17-80	--	--	--	90	<1	--	10
135	11-28-79	--	--	--	140	<1	--	2
136	10-30-78	--	40	--	<500	--	--	--
138	10-30-78	--	20	--	<500	--	--	--
142	11-12-80	--	--	--	--	--	--	--
144	01-10-80	--	--	--	10	<1	--	4
151	01-01-74	--	--	--	--	--	--	--
153	04-28-80	--	--	--	50	<3	--	6
155	12-04-80	--	--	--	40	<1	--	<1
157	01-01-74	9	--	--	--	--	--	--
168	11-11-80	--	--	--	--	--	--	--
169	11-10-80	--	--	--	--	--	--	--
187	01-01-78	<300	<10	--	170	<15	--	<3
191	07-15-80	--	--	--	240	<1	--	<1
194	10-08-80	--	--	--	2,900	<1	--	<1
205	06-10-81	--	--	90	--	--	--	--
210	07-16-80	--	--	--	--	--	--	--
215	07-15-80	--	--	--	130	<1	--	7
220	01-01-74	--	--	--	--	--	--	--
223	07-17-80	--	--	--	--	--	--	--
230	07-08-80	--	--	--	170	<1	--	32
231	06-10-80	--	--	--	50	<1	--	27
233	02-20-74	--	<100	--	460	<5	<100	<20
236	01-01-74	2	--	--	--	--	--	--
	01-01-78	500	<80	--	310	<15	--	<3

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number (plate 1)	Date	Cesium, dis- solved (µg/L as Cs)	Chro- mium, dis- solved (µg/L as Cr)	Cobalt, dis- solved (µg/L as Co)	Copper, total recov- erable (µg/L as Cu)	Lead, dis- solved (µg/L as Pb)	Lithium, dis- solved (µg/L as Li)	Molyb- denum, dis- solved (µg/L as Mo)	Nickel, dis- solved (µg/L as Ni)	Rubi- dium, dis- solved (µg/L as Rb)
107	01-01-77	--	--	--	--	--	<10	--	--	--
	08-22-78	--	--	--	--	--	20	--	--	--
108	08-31-78	--	--	--	--	--	590	--	--	--
109	01-18-80	--	--	<3	--	390	1,600	<10	--	--
110	02-05-80	--	--	--	--	--	1,700	--	--	--
115	05-08-81	--	--	--	10	--	--	--	--	--
117	01-01-74	300	--	--	--	--	1,600	--	--	940
	01-01-78	260	<30	--	--	77	1,600	<100	<15	1,000
130	01-28-80	--	--	--	--	--	1,700	--	--	--
131	02-19-74	4,800	<20	--	--	60	3,500	--	50	1,700
132	01-16-80	--	--	<3	--	390	1,500	<10	--	--
133	01-17-80	--	--	<3	--	510	1,600	<10	--	--
135	11-28-79	--	--	<3	--	<10	1,600	21	--	--
136	10-30-78	--	--	--	--	--	<50	--	--	--
138	10-30-78	--	--	--	--	--	<50	--	--	--
142	11-12-80	--	--	--	--	--	30	--	--	--
144	01-10-80	--	--	<3	--	32	9	<10	--	--
151	01-01-74	300	--	--	--	--	1,200	--	--	180
153	04-28-80	--	--	<8	--	140	280	<25	--	--
155	12-04-80	--	--	<3	--	12	1,500	240	--	--
157	01-01-74	200	--	--	--	--	460	--	--	100
168	11-11-80	--	--	--	--	--	260	--	--	--
169	11-10-80	--	--	--	--	--	110	--	--	--
187	01-01-78	150	<30	--	--	<120	440	<100	<15	120
191	07-15-80	--	--	<3	--	<10	57	<10	--	--
194	10-08-80	--	--	<3	--	<10	610	<10	--	--
205	06-10-81	--	--	--	30	--	--	--	--	--
210	07-16-80	--	--	--	--	--	470	--	--	--
215	07-15-80	--	--	<3	--	<10	2,100	<10	--	--
220	01-01-74	--	--	--	--	--	720	--	--	--
223	07-17-80	--	--	--	--	--	280	--	--	--
230	07-08-80	--	--	<3	--	<10	720	19	--	--
231	06-10-80	--	--	<3	--	73	68	<10	--	--
233	02-20-74	1,100	<20	--	--	20	530	--	60	200
236	01-01-74	200	--	--	--	--	360	--	--	90
	01-01-78	100	<30	--	--	<30	390	<100	<15	140

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number (plate 1) ¹	Date	Selenium, dis- solved (µg/L as Se)	Silver, dis- solved (µg/L as Ag)	Stron- tium, dis- solved (µg/L as Sr)	Tin, dis- solved (µg/L as Sn) (A.A.S. DIRECT)	Tita- nium, dis- solved (µg/L as Ti)	Vana- dium, dis- solved (µg/L as V)	Zinc, total recov- erable (µg/L as Zn)	Trit- ium, total (pCi/L)
107	01-01-77	--	--	--	--	--	--	--	--
108	08-22-78	--	--	--	--	--	--	--	--
109	08-31-78	--	--	--	--	--	--	--	12
110	01-18-80	--	--	3,000	--	--	<6	--	--
	02-05-80	--	--	--	--	--	--	--	--
115	05-08-81	--	--	--	--	--	--	50	--
117	01-01-74	--	--	2,600	--	--	--	--	--
	01-01-78	<50	<60	2,100	<1,000	<500	<300	--	--
130	01-28-80	--	--	--	--	--	--	--	--
131	02-19-74	<1	<20	410	<50	--	--	--	--
132	01-16-80	--	--	2,700	--	--	<6	--	--
133	01-17-80	--	--	2,800	--	--	<6	--	--
135	11-28-79	--	--	2,400	--	--	<6	--	--
136	10-30-78	--	--	--	--	--	--	--	--
138	10-30-78	--	--	--	--	--	--	--	--
142	11-12-80	--	--	450	--	--	--	--	--
144	01-10-80	--	--	250	--	--	<6	--	--
151	01-01-74	--	--	400	--	--	--	--	--
153	04-28-80	--	--	770	--	--	<8	--	--
155	12-04-80	--	--	2,500	--	--	<6	--	--
157	01-01-74	--	--	1,100	--	--	--	--	--
168	11-11-80	--	--	600	--	--	--	--	--
169	11-10-80	--	--	1,000	--	--	--	--	--
187	01-01-78	<50	<60	830	<1,000	<500	<300	--	--
191	07-15-80	--	--	59	--	--	<6	--	--
194	10-08-80	--	--	8,600	--	--	<6	--	--
205	06-10-81	--	--	--	--	--	--	150	--
210	07-16-80	--	--	3,300	--	--	--	--	--
215	07-15-80	--	--	3,200	--	--	4	--	--
220	01-01-74	--	--	--	--	--	--	--	--
223	07-17-80	--	--	4,000	--	--	--	--	--
230	07-08-80	--	--	2,000	--	--	<3	--	--
231	06-10-80	--	--	310	--	--	6	--	--
233	02-20-74	<1	<20	230	<50	--	--	--	--
236	01-01-74	--	--	730	--	--	--	--	--
	01-01-78	<200	<60	450	<20	<500	<300	--	--

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number 1 (plate 1)	Date	Alum- inum, dis- solved (µg/L as Al)	Anti- mony, dis- solved (µg/L as Sb)	Barium, dis- solved (µg/L as Ba)	Beryl- lium, dis- solved (µg/L as Be)	Cadmium, dis- solved (µg/L as Cd)	Cesium, dis- solved (µg/L as Cs)	Chro- mium, dis- solved (µg/L as Cr)	Cobalt, dis- solved (µg/L as Co)	Lead, dis- solved (µg/L as Pb)
247	06-24-80	--	--	140	<1	3	--	--	<3	<10
248	06-30-81	--	--	180	<2	<2	--	--	<6	<20
250	08-04-80	--	--	--	--	--	--	--	--	--
251	06-16-81	--	--	--	--	--	--	--	--	--
252	06-17-80	--	--	130	<1	3	--	--	<3	<10
253	06-16-80	--	--	100	<1	2	--	--	<3	<10
254	06-16-80	--	--	--	--	--	--	--	--	--
256	02-29-80	--	--	--	--	--	--	--	--	--
258	07-28-80	--	--	800	<1	<1	--	--	<3	<10
	07-28-80	--	--	--	--	--	--	--	--	--
260	06-10-80	--	--	130	<1	4	--	--	<3	<10
262	12-09-80	--	--	40	<1	<1	--	--	<3	<10
264	04-21-80	--	--	110	<1	7	--	--	<3	67
267	01-01-74	20	--	--	--	--	<100	--	--	--
	01-01-78	<300	<10	<100	<15	4	<70	<30	--	<30
273	12-05-79	--	--	--	--	--	--	--	--	--
274	12-05-79	--	--	--	--	--	--	--	--	--
275	12-05-79	--	--	--	--	--	--	--	--	--
276	12-05-79	--	--	20	<1	5	--	--	<3	<10
277	12-05-79	--	--	--	--	--	--	--	--	--
278	12-05-79	--	--	20	<1	3	--	--	<3	<10
280	08-07-80	--	--	40	<1	1	--	--	3	210
	11-13-80	--	--	50	<1	1	--	--	<3	63
281	08-07-80	--	--	30	<1	1	--	--	<3	160
282	11-15-80	--	--	30	<1	<1	--	--	<3	<10
283	12-04-79	--	--	--	--	--	--	--	--	--
290	12-13-79	--	--	--	--	--	--	--	--	--
291	12-13-79	--	--	--	--	--	--	--	--	--
293	04-08-81	--	--	40	<2	<2	--	--	<6	<20
294	12-19-79	--	--	--	--	--	--	--	--	--
295	07-01-81	--	--	180	<2	<2	--	--	<6	32
296	12-13-79	--	--	--	--	--	--	--	--	--
298	05-12-80	--	--	20	<1	46	--	--	<3	280
303	07-09-80	--	--	6	<1	1	--	--	<3	<10

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number (plate 1)	Date	Lithium, dis- solved (µg/L as Li)	Molyb- denum, dis- solved (µg/L as Mo)	Nickel, dis- solved (µg/L as Ni)	Rubi- dium, dis- solved (µg/L as Rb)	Sele- nium, dis- solved (µg/L as Se)	Silver, dis- solved (µg/L as Ag)	Stron- tium, dis- solved (µg/L as Sr)	Tin, dis- solved (µg/L A.A.S. DIRECT)	Tita- nium, dis- solved (µg/L as Ti)	Vana- dium, dis- solved (µg/L as V)
247	06-24-80	160	19	--	--	--	--	720	--	--	5
248	06-30-81	330	110	--	--	--	--	190	--	--	<12
250	08-04-80	460	--	--	--	--	--	2,900	--	--	--
251	06-16-81	1,800	--	--	--	--	--	17,000	--	--	--
252	06-17-80	230	12	--	--	--	--	550	--	--	<3
253	06-16-80	230	13	--	--	--	--	550	--	--	<3
254	06-16-80	--	--	--	--	--	--	--	--	--	--
256	02-29-80	30	--	--	--	--	--	--	--	--	--
258	07-28-80	340	<10	--	--	--	--	1,400	--	--	<6
	07-28-80	310	--	--	--	--	--	1,400	--	--	--
260	06-10-80	110	13	--	--	--	--	BL	--	--	<3
262	12-09-80	39	18	--	--	--	--	51	--	--	<6
264	04-21-80	16	<10	--	--	--	--	560	--	--	35
267	01-01-74	60	--	--	<20	--	--	90	--	--	--
	01-01-78	70	<100	<15	<70	<50	<60	730	<1,000	<500	<300
273	12-05-79	80	--	--	--	--	--	--	--	--	--
274	12-05-79	90	--	--	--	--	--	--	--	--	--
275	12-05-79	70	--	--	--	--	--	--	--	--	--
276	12-05-79	60	29	--	--	--	--	81	--	--	<6
277	12-05-79	9	--	--	--	--	--	--	--	--	--
278	12-05-79	60	34	--	--	--	--	82	--	--	<6
280	08-07-80	30	29	--	--	--	--	86	--	--	<6
	11-13-80	26	25	--	--	--	--	65	--	--	<6
281	08-07-80	29	24	--	--	--	--	60	--	--	<6
282	11-15-80	58	27	--	--	--	--	78	--	--	<6
283	12-04-79	7	--	--	--	--	--	--	--	--	--
290	12-13-79	30	--	--	--	--	--	--	--	--	--
291	12-13-79	20	--	--	--	--	--	--	--	--	--
293	04-08-81	18	24	--	--	--	--	130	--	--	<12
294	12-19-79	10	--	--	--	--	--	--	--	--	--
295	07-01-81	130	78	--	--	--	--	140	--	--	<12
296	12-13-79	20	--	--	--	--	--	--	--	--	--
298	05-12-80	17	<10	--	--	--	--	90	--	--	16
303	07-09-80	32	32	--	--	--	--	36	--	--	4

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number ¹ (plate 1)	Date	Alum- inum, dis- solved (µg/L as Al)	Anti- mony, dis- solved (µg/L as Sb)	Barium, dis- solved (µg/L as Ba)	Beryl- lium, dis- solved (µg/L as Be)	Bismuth, dis- solved (µg/L as Bi)	Cadmium, dis- solved (µg/L as Cd)	Cesium, dis- solved (µg/L as Cs)
307	01-29-80	--	--	10	<1	--	3	--
308	01-29-80	--	--	8	<1	--	8	--
309	04-07-81	--	--	120	<1	--	<1	--
311	05-06-81	--	--	120	<1	--	<1	--
313	12-27-79	--	--	5	<1	--	14	--
318	01-30-80	--	--	--	--	--	--	--
320	07-21-80	--	--	30	<1	--	9	--
327	12-11-80	--	--	190	<1	--	<1	--
338	03-05-80	--	--	--	--	--	--	--
345	05-26-80	--	--	20	<1	--	21	--
350	03-12-80	--	--	--	--	--	--	--
352	05-14-80	--	--	10	<1	--	4	--
363	01-02-80	--	--	7	<1	--	4	--
366	01-09-80	--	--	7	<1	--	5	--
369	01-01-80	--	--	3	<1	--	14	--
370	01-01-74	10	--	--	--	--	--	<100
371	01-01-74	20	--	--	--	--	--	100
372	01-01-74	30	--	--	--	--	--	100
377	04-30-80	--	--	40	<1	--	<1	--
380	04-22-80	--	--	6	<1	--	5	--
381	04-29-80	--	--	10	<1	--	11	--
382	05-13-80	--	--	40	<1	--	52	--
395	05-27-80	--	--	10	<1	--	8	--
396	03-04-80	--	--	--	--	--	--	--
401	03-11-80	--	--	--	--	--	--	--
402	05-27-80	--	--	60	<1	--	61	--
457	01-01-74	20	--	--	--	--	--	<100
514	08-12-80	--	--	--	--	--	--	--
519	01-01-74	20	--	--	--	--	--	<100
	01-01-78	<300	28	<100	<15	--	<3	<70
520	01-01-74	20	--	--	--	--	--	<100
522	02-19-74	--	<100	<40	<5	<100	<20	260

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number 1 (plate 1)	Date	Chro- mium, dis- solved (µg/L as Cr)	Cobalt, dis- solved (µg/L as Co)	Copper, total recov- erable (µg/L as Cu)	Lead, dis- solved (µg/L as Pb)	Lithium, dis- solved (µg/L as Li)	Molyb- denum, dis- solved (µg/L as Mo)	Nickel, dis- solved (µg/L as Ni)	Rubi- dium, dis- solved (µg/L as Rb)
307	01-29-80	--	<3	--	240	21	11	--	--
308	01-29-80	--	<3	--	210	17	<10	--	--
309	04-07-81	--	<3	--	<10	73	20	--	--
311	05-06-81	--	<3	--	28	24	18	--	--
313	12-27-79	--	<3	--	260	15	<10	--	--
318	01-30-80	--	--	--	--	20	--	--	--
320	07-21-80	--	<3	--	<10	53	29	--	--
327	12-11-80	--	<3	--	<10	73	58	--	--
338	03-05-80	--	--	--	--	50	--	--	--
345	05-26-80	--	<3	--	22	1,000	30	--	--
350	03-12-80	--	--	--	--	150	--	--	--
352	05-14-80	--	<3	--	29	160	37	--	--
363	01-02-80	--	<3	--	210	160	45	--	--
366	01-09-80	--	<3	--	30	170	30	--	--
369	01-01-80	--	<3	--	270	190	37	--	--
370	01-01-74	--	--	--	--	170	--	--	<20
371	01-01-74	--	--	--	--	450	--	--	280
372	01-01-74	--	--	--	--	450	--	--	280
377	04-30-80	--	<3	--	22	180	45	--	--
380	04-22-80	--	<3	--	35	170	32	--	--
381	04-29-80	--	<3	--	79	170	35	--	--
382	05-13-80	--	<3	--	450	140	38	--	--
395	05-27-80	--	<3	--	<10	190	48	--	--
396	03-04-80	--	--	--	--	30	--	--	--
401	03-11-80	--	--	--	--	10	--	--	--
402	05-27-80	--	<3	--	450	9	17	--	--
457	01-01-74	--	--	BL	--	90	--	--	20
514	08-12-80	--	--	--	--	--	--	--	--
519	01-01-74	--	--	--	--	220	--	--	40
	01-01-78	<30	--	--	<30	220	<100	<15	80
520	01-01-74	--	--	--	--	30	--	--	<20
522	02-19-74	<20	--	--	60	51	--	<20	21

TABLE 6.--Water-quality data and other information for wells and springs--Continued

PART B: Additional determinations from detailed chemical analyses--Continued

Map number (plate 1) ¹	Date	Selenium, dissolved (µg/L as Se)	Silver, dis- solved (µg/L as Ag)	Strontium, dissolved (µg/L as Sr)	Tin, dissolved (µg/L as Sn) (A.A.S. DIRECT)	Titanium, dissolved (µg/L as Ti)	Vanadium, dissolved (µg/L as V)	Zinc, total recoverable (µg/L as Zn)	Methylene- blue active substance (mg/L)
307	01-29-80	--	--	53	--	--	30	--	--
308	01-29-80	--	--	53	--	--	27	--	--
309	04-07-81	--	--	210	--	--	<6	--	--
311	05-06-81	--	--	27	--	--	<6	--	--
313	12-27-79	--	--	64	--	--	13	--	--
318	01-30-80	--	--	--	--	--	--	--	--
320	07-21-80	--	--	38	--	--	5	--	--
327	12-11-80	--	--	210	--	--	<6	--	--
338	03-05-80	--	--	--	--	--	--	--	--
345	05-26-80	--	--	58	--	--	10	--	--
350	03-12-80	--	--	--	--	--	--	--	--
352	05-14-80	--	--	12	--	--	<6	--	--
363	01-02-80	--	--	14	--	--	8	--	--
366	01-09-80	--	--	24	--	--	<6	--	--
369	01-01-80	--	--	20	--	--	<6	--	--
370	01-01-74	--	--	<50	--	--	--	--	--
371	01-01-74	--	--	570	--	--	--	--	--
372	01-01-74	--	--	230	--	--	--	--	--
377	04-30-80	--	--	56	--	--	31	--	--
380	04-22-80	--	--	22	--	--	<6	--	--
381	04-29-80	--	--	4	--	--	<6	--	--
382	05-13-80	--	--	47	--	--	29	--	--
395	05-27-80	--	--	21	--	--	9	--	--
396	03-04-80	--	--	--	--	--	--	--	--
401	03-11-80	--	--	--	--	--	--	--	--
402	05-27-80	--	--	78	--	--	8	--	--
457	01-01-74	--	--	120	--	--	--	--	--
514	08-12-80	--	--	--	--	--	--	90	<0.10
519	01-01-74	--	--	150	--	--	--	--	--
	01-01-78	<50	<60	180	<1,000	<500	<300	--	--
520	01-01-74	--	--	30	--	--	--	--	--
522	02-19-74	<1	<20	5	<50	--	--	--	--

¹ Each data-collection site has been assigned both a unique short "Map number" and a standard USGS site identification number. The short map numbers range from 2 to 534 and are shown on plate 1. (Data for sites 1, 26, 35, and 103 were originally included in this study but later eliminated because those sites were found to be slightly outside the study area.) The standard identification number consists of 15 digits and represents geographic location. The first six digits denote the degrees, minutes, and seconds of latitude; the next seven digits denote the degrees, minutes, and seconds of longitude; and the last two digits (assigned sequentially) identify the sites within a 1-second grid. For example, site 393923119170601 refers to 39°39'23" latitude and 119°17'06" longitude, and it is the first site recorded in that 1-second grid. That assigned number is retained as a permanent identifier even if a more precise latitude and longitude are later determined.

TABLE 7.--Maximum, minimum, and median values for selected constituents and properties of water from wells and springs

[Abbreviations and symbols: BL, below reporting limit for analytical procedure used; E, estimated; FET, fixed endpoint titration; fld, field; IT, incremental titration; lab, laboratory; mg/L, milligrams per liter; °C, degrees Celsius; µg/L, micrograms per liter; µS/cm, microsiemens per centimeter at 25 °C; <, less than; --, not determined]

Number of determinations	Constituent	Maximum	Minimum	Median
249	Specific conductance, field (µS/cm)	47,700	155	810
190	pH, field (standard units)	11.7	4.7	8.0
499	Water temperature (°C)	116.5	8.0	20
21	Color (platinum cobalt units)	40	2	3
21	Turbidity (Jackson turbidity units)	7	BL	1
515	Hardness (mg/L as CaCO ₃)	2,300	BL	110
318	Noncarbonate hardness (mg/L as CaCO ₃)	1,700	BL	BL
21	Calcium, total (mg/L as Ca)	440	8	45
503	Calcium, dissolved (mg/L as Ca)	500	.14	30
21	Magnesium, total (mg/L as Mg)	100	1	11
394	Magnesium, dissolved (mg/L as Mg)	480	BL	4.2
14	Sodium, total (mg/L as Na)	1,500	9	21
383	Sodium, dissolved (mg/L as Na)	31,000	10	150
342	Sodium-adsorption ratio	4,000	.3	11
124	Sodium + potassium, dissolved (mg/L as Na)	E6,400	E13	62.5
14	Potassium, total (mg/L as K)	130	1	2
378	Potassium, dissolved (mg/L as K)	230	BL	9.7
93	Bicarbonate, whole water, FET, fld (mg/L as HCO ₃)	1,210	3	200
116	Bicarbonate, IT, fld (mg/L as HCO ₃)	9,560	2	231
75	Carbonate, whole water, FET, fld (mg/L as CO ₃)	86	BL	BL
110	Carbonate, IT, fld (mg/L as CO ₃)	902	BL	2
117	Alkalinity, whole water, FET (mg/L as CaCO ₃)	992	2	144
39	Sulfide, dissolved (mg/L as S)	2.1	BL	BL
21	Sulfate, total (mg/L as SO ₄)	200	4	56
493	Sulfate, dissolved (mg/L as SO ₄)	4,500	3	59
541	Chloride, dissolved (mg/L as Cl)	44,000	4	48
20	Fluoride, total (mg/L as F)	4.8	.1	.2
311	Fluoride, dissolved (mg/L as F)	16	BL	1.8
29	Bromide, dissolved (mg/L as Br)	8	BL	.2
16	Iodide, dissolved (mg/L as I)	.4	BL	.01
345	Silica, dissolved (mg/L as SiO ₂)	280	.8	61
67	Solids, residue at 180 °C, dissolved (mg/L)	16,500	186	532
28	Residue at 105 °C, dissolved (mg/L)	17,000	85	525
363	Solids, sum of constituents, dissolved (mg/L)	84,200	122	573
36	Nitrogen nitrate, dissolved (mg/L as N)	1.5	BL	.105
20	Nitrogen nitrate, total (mg/L as NO ₃)	220	BL	1.4
135	Nitrogen nitrate, dissolved (mg/L as NO ₃)	63	BL	.8

TABLE 7.--Maximum, minimum, and median values for selected constituents and properties of water from wells and springs--Continued

Number of determinations	Constituent	Maximum	Minimum	Median
14	Nitrogen nitrite, dissolved (mg/L as N)	0.05	BL	0.01
12	Nitrogen nitrite + nitrate, dissolved (mg/L as N)	.94	.01	.105
13	Nitrogen ammonia, total (mg/L as N)	.80	.10	.40
8	Nitrogen ammonia, dissolved (mg/L as N)	1.0	BL	.45
19	Phosphorus, total (mg/L as PO ₄)	.22	.02	.04
11	Phosphorus, dissolved (mg/L as PO ₄)	2.0	<.10	.10
39	Aluminum, dissolved (µg/L as Al)	520	BL	10
28	Antimony, dissolved (µg/L as Sb)	300	3	30
18	Arsenic, total (ug/L as As)	110	BL	5
56	Arsenic, dissolved (µg/L as As)	160	BL	12
89	Barium, dissolved (µg/L as Ba)	2,900	3	100
75	Beryllium, dissolved (µg/L as Be)	20	<.5	1
5	Bismuth, dissolved (µg/L as Bi)	<100	<100	<100
299	Boron, dissolved (µg/L as B)	16,000	BL	500
76	Cadmium, dissolved (µg/L as Cd)	61	<1	3
25	Cesium, dissolved (µg/L as Cs)	4,800	<70	150
14	Chromium, dissolved (µg/L as Cr)	--	<1	20
65	Cobalt, dissolved (µg/L as Co)	3	<3	<3
91	Copper, dissolved (µg/L as Cu)	230	BL	11
66	Iron, total (µg/L as Fe)	2,400	BL	20
123	Iron, dissolved (µg/L as Fe)	32,000	BL	23
21	Iron (µg/L as Fe)	730	BL	50
77	Lead, dissolved (µg/L as Pb)	510	BL	28
165	Lithium, dissolved (µg/L as Li)	5,300	4	220
132	Manganese, dissolved (mg/L as Mn)	1,000	BL	19.5
13	Manganese (µg/L as Mn)	160	BL	10
100	Mercury, dissolved (µg/L as Hg)	4	BL	.2
70	Molybdenum, dissolved (µg/L as Mo)	240	<10	20.5
15	Nickel, dissolved (µg/L as Ni)	60	<1	20
25	Rubidium, dissolved (µg/L as Rb)	1,700	<20	120
15	Selenium, dissolved (µg/L as Se)	--	<1	<50
15	Silver, dissolved (µg/L as Ag)	--	<1	<20
99	Strontium, dissolved (µg/L as Sr)	17,000	BL	400
13	Tin, dissolved (µg/L as Sn)	--	20	100
8	Titanium, dissolved (µg/L as Ti)	--	<2	<500
70	Vanadium, dissolved (µg/L as V)	85	<3	6
89	Zinc, dissolved (µg/L as Zn)	1,500	BL	18

TABLE 8.--Stable isotope data for selected wells and springs

(Symbol: --, not determined)

Map number (plate 1, table 6)	Date	Delta carbon- 13 (permil)	Delta deuter- ium (permil)	Delta oxygen- 18 (permil)	Map number (plate 1, table 6)	Date	Delta carbon- 13 (permil)	Delta deuter- ium (permil)	Delta oxygen- 18 (permil)
4	02-16-81	--	-114.0	-12.20	168	11-11-80	--	-89.5	-7.80
5	03-16-81	--	-123.0	-14.00	169	11-10-80	--	-82.0	-6.20
6	03-17-81	--	-126.0	-14.40	191	07-15-80	--	-98.5	-10.80
7	03-10-81	--	-123.0	-14.30	194	10-08-80	--	-86.0	-8.40
9	03-12-81	--	-126.0	-14.40	209	07-16-80	--	-78.5	-6.80
10	03-11-81	--	-125.0	-14.60	214	07-15-80	--	-80.5	-2.50
11	02-20-81	--	-126.0	-14.30	223	07-17-80	--	-69.0	-7.60
14	07-06-79	--	-121.0	-14.20	230	07-08-80	--	-121.0	-12.90
15	03-14-81	--	-127.0	-14.40	231	06-10-80	--	-124.0	-15.70
16	04-02-81	--	-124.0	-14.20	236	01-01-74	--	-126.0	-15.60
19	03-19-81	--	-123.0	-14.20	247	06-24-80	-5.40	-127.0	-15.40
31	01-01-74	--	-130.0	-16.20	248	06-30-81	--	-124.0	-14.80
37	06-03-80	--	-129.0	-15.90	250	08-04-80	3.00	-88.5	-8.40
38	01-01-74	--	-130.0	-15.60	251	06-16-81	--	-124.0	-14.40
39	06-03-80	--	-126.0	-15.80	252	06-17-80	--	-128.0	-15.00
41	06-03-80	--	-125.0	-15.30	253	06-16-80	--	-131.0	-15.80
46	04-23-81	--	-128.0	-16.40	254	06-16-80	--	-128.0	-15.60
57	01-01-74	--	-130.0	-15.50	256	02-29-80	--	-121.0	-15.60
63	04-23-81	--	-121.0	-15.70	258	07-28-80	--	-108.0	-12.00
70	01-01-77	--	-124.0	-15.80	260	06-10-80	--	-128.0	-15.10
71	01-01-77	--	-122.0	-16.00	262	12-09-80	--	-128.0	-15.80
72	01-01-77	--	-122.0	-15.90	264	04-21-80	--	-122.0	-15.50
74	01-01-77	--	-124.0	-16.40	267	01-01-74	--	-129.0	-15.90
	08-22-78	--	-124.0	-15.80	280	08-07-80	--	-130.0	-16.00
75	08-30-78	--	-124.0	-16.40		11-13-80	--	-129.0	-16.00
76	08-29-78	--	-129.0	-16.10	281	08-07-80	--	-130.0	-16.40
77	08-29-78	--	-133.0	-16.80	283	12-04-79	--	-122.0	-15.80
78	01-01-77	--	-124.0	-15.10	293	04-08-81	--	-127.0	-15.40
79	08-24-78	--	-125.0	-16.90	295	07-01-81	--	-129.0	-15.40
80	11-28-86	--	-131.5	-16.35	298	05-12-80	--	-120.0	-15.40
81	01-01-77	--	-129.0	-15.70	303	07-09-80	--	-131.0	-16.10
	09-14-78	--	-129.0	-16.00	309	04-07-81	--	-124.0	-15.60
	12-28-83	--	-129.0	-16.30	311	05-06-81	--	-130.0	-16.00
87	03-20-79	--	-127.0	-15.40	318	01-30-80	--	-126.0	-16.60
88	06-17-72	--	-129.0	-15.70	320	07-21-80	--	-130.0	-15.90
	12-28-83	--	-129.0	-16.20	321	03-26-81	--	-130.0	-16.60
89	12-13-78	--	-124.0	-14.00	326	03-22-81	--	-112.0	-14.10
91	01-01-77	--	-131.0	-16.40	327	12-11-80	--	-86.0	-6.70
	09-14-78	--	-131.0	-16.90	329	03-26-81	--	-124.0	-16.00
	12-29-83	--	-129.0	-16.30	332	08-22-79	--	-127.0	-16.70
95	08-23-78	--	-125.0	-16.60	338	03-05-80	--	-115.0	-14.90
96	11-29-86	--	-131.0	-16.35	339	08-22-79	--	-118.0	-15.10
98	08-23-78	--	-124.0	-16.60	341	04-09-81	--	-130.0	-16.70
99	08-23-78	--	-134.0	-16.40	345	05-26-80	--	-128.0	-16.00
	11-29-86	--	-132.0	-16.05	352	05-14-80	--	-131.0	-16.60
101	09-14-78	--	-131.0	-16.60	367	08-22-79	--	-124.0	-16.10
	11-29-86	--	-129.0	-16.10	370	01-01-74	--	-130.0	-16.60
102	11-28-86	--	-130.0	-16.40	371	01-01-74	--	-129.0	-14.50
104	11-29-86	--	-130.0	-16.20	372	01-01-74	--	-128.0	-14.10
106	06-01-77	--	-124.0	--	377	04-30-80	--	-129.0	-16.30
107	01-01-77	--	-125.0	--	380	04-22-80	--	-131.0	-16.70
117	01-01-74	--	-101.0	-10.80	381	04-29-80	--	-131.0	-16.40
132	01-16-80	--	-99.0	-10.60	382	05-13-80	--	-125.0	-16.40
133	01-17-80	-13.40	-98.0	-11.60	395	05-27-80	--	-131.0	-16.60
142	11-12-80	--	-77.0	-5.60	402	05-27-80	--	-115.0	-14.50
145	08-22-79	--	-114.0	-14.80	411	01-01-74	--	-135.0	-16.40
151	01-01-74	--	-131.0	-15.70	457	01-01-74	--	-128.0	-16.30
152	01-01-74	--	-125.0	-14.40	506	01-01-74	--	-127.0	-16.20
153	04-28-80	--	-125.0	-15.10	518	01-01-74	--	-125.0	-15.30
155	12-04-80	--	-97.5	-9.20	519	01-01-74	--	-126.0	-15.60
156	08-22-79	--	-109.0	-14.80	520	01-01-74	--	-124.0	-15.30
157	01-01-74	--	-121.0	-14.70					