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UTAH GEOLOGICAL AND MINERALOGICAL SURVEY
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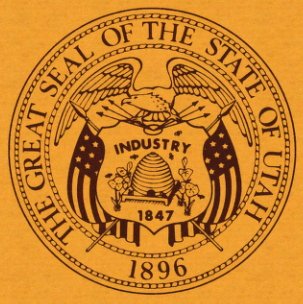
NONTHERMAL SPRINGS OF UTAH



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NONTHERMAL SPRINGS OF UTAH

by J. C. Mundorff

Spring area, (D-3-3)8b, about 1 mile south of Alta at about midpoint of Germania Ski Lift in Collins Gulch at an altitude of about 9,700 feet. Springs issue at contact of Tintic Quartzite (Cambrian) and glacial-alluvial deposits (Quaternary) in headwaters of Little Cottonwood Canyon.

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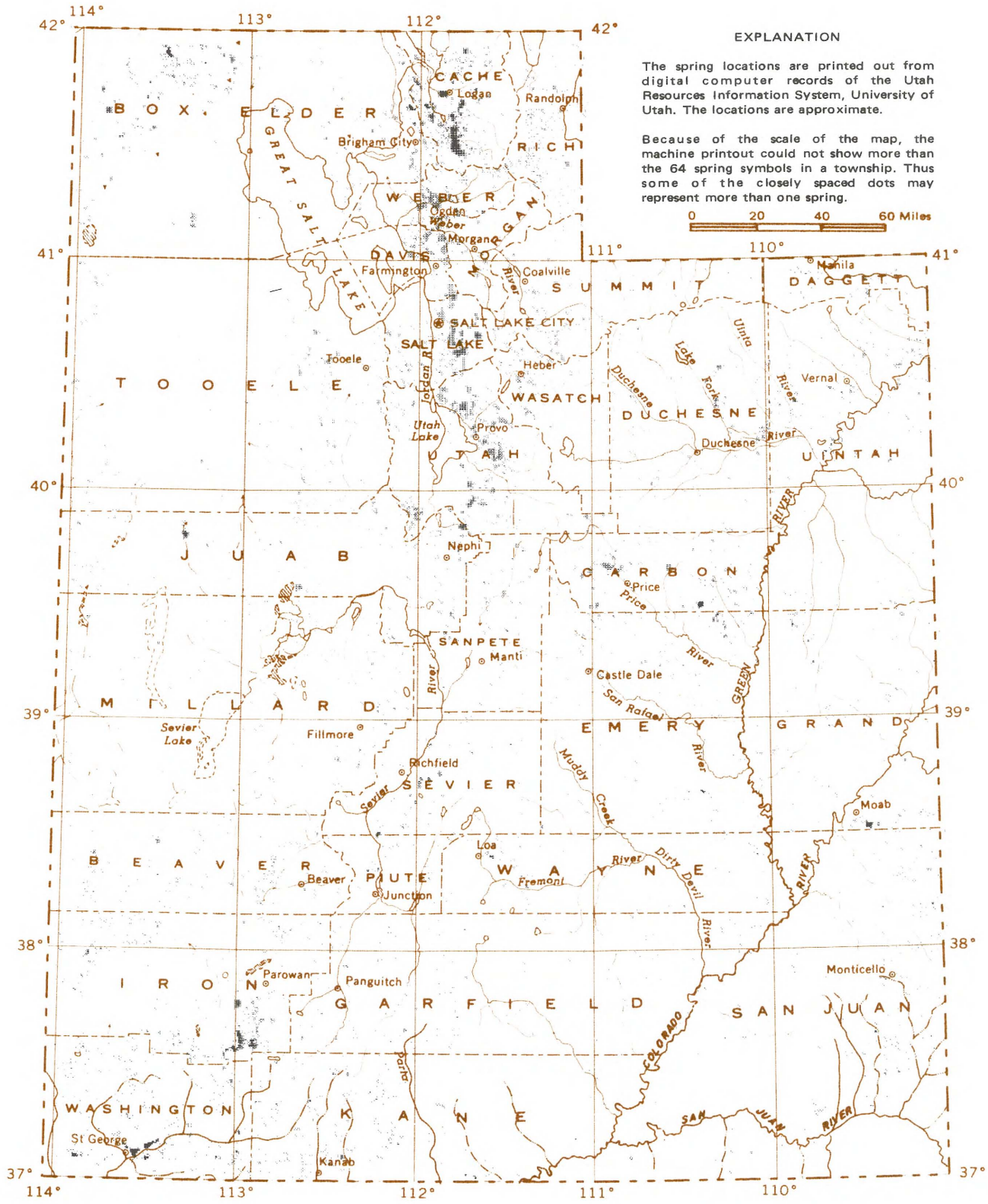


Figure 1. Map showing locations of springs (located by computer) for which water-right applications have been filed with the Utah State Engineer.

NONTHERMAL SPRINGS OF UTAH

by

J. C. Mundorff
Hydrologist, U. S. Geological Survey

ABSTRACT

Data are presented for about 4,500 nonthermal springs that discharge in the State of Utah. Most major springs having discharge of several cubic feet per second or more are in or near mountain ranges or plateaus where precipitation is much greater than in other parts of the State. The largest instantaneous discharge observed at any spring was 314 cfs at Mammoth Spring in southwestern Utah. Discharges exceeding 200 cfs have been observed at Swan Creek Spring in extreme northern Utah, and discharges of 200 cfs have been reported for Big Brush Creek Spring in northeastern Utah. Maximum discharges of several other springs range from 25 to 90 cfs. Maximum discharges generally are during or within a few weeks after the main period of snowmelt, which is usually from late April to the middle of June.

The largest springs generally discharge from or very near carbonate rocks in which solution channels and fractures are numerous or from areas of porous or fractured volcanic rocks. Most nonthermal springs in Utah probably are variable springs—that is, their variability of discharge exceeds 100 percent.

Most of the major springs discharge water that contains less than 500 ppm (parts per million) of dissolved solids, and most of the water is of the calcium bicarbonate type. Water from springs is used for domestic, municipal, irrigation, livestock, mining, and industrial purposes.

INTRODUCTION

A spring has been defined as "a place where, without the agency of man, water flows from a rock or soil upon the land or into a body of surface water" (Meinzer, 1923, p. 48). This study is part of an investigation of the thermal and nonthermal springs of Utah that has been financed cooperatively by the Utah Geological and Mineralogical Survey and the U. S. Geological Survey. Field work, data collection and interpretation, and manuscript preparation were the responsibility of the U. S. Geological Survey. Mundorff (1970) described the major thermal springs; and the purpose of this report is to present information on the location, chemical characteristics, water discharge, and geologic setting of selected major nonthermal springs and to present a compilation showing the locations of thousands of known springs in Utah. For this report a nonthermal spring is defined as one having a temperature that does not exceed the mean annual temperature of the surrounding area by more than about 10° F (5° C).

Although the exact number of springs in Utah is not known, little exaggeration would be involved if Utah were called "The Land of 10,000 Springs." Thousands of springs are described in water-right applications that have been filed with the Utah State Engineer or in technical or nontechnical literature about all or parts of Utah or are shown on various topographic and other maps of the State. An unknown number of springs are in areas that are unmapped or inadequately mapped and on Federally owned lands where water-right applications may not have been made.

The locations of about 4,500 springs in Utah[1], which are shown in plate 1, were compiled from hundreds of maps and reports. Neither this map nor the compilation of these locations presented in table 1, however, should be regarded as a complete inventory of all springs in Utah. Although all springs in Utah are not shown in plate 1, it is evident from the map that springs are concentrated in and adjacent to mountainous areas of the State.

For some unmapped parts of Utah, in which few springs are shown in plate 1, figure 1 may give a better indication of the actual distribution of springs. Figure 1 is a computer printout map that was prepared by the Utah Resources Information System, University of Utah, from water-right applications on file at the office of the Utah State Engineer. Because this map shows locations of claims stated on the applications, rather than surveyed locations, some locations may be in error. Further, because several applications may have been made for water from a single spring, the density of points on the map is not necessarily a true indication of the number of springs in an area; the number of points may appreciably exceed the number of springs in some areas. Together, plate 1 and figure 1 probably give a good indication of the relative distribution of springs in most parts of Utah. For some areas, especially the Uinta Mountains and the mountain ranges and plateaus in central and south-central Utah, the number of springs probably is much greater than that indicated on either map.

Water from springs in Utah is used for domestic, irrigation, municipal, livestock, mining, and industrial purposes. Data from the office of the Utah State Engineer indicate that about 1,910 claim applications have been filed for use of spring water for

[1] Thermal springs in Utah are included in plate 1, figure 1 and table 1 to facilitate computer processing of the available spring data for the State.

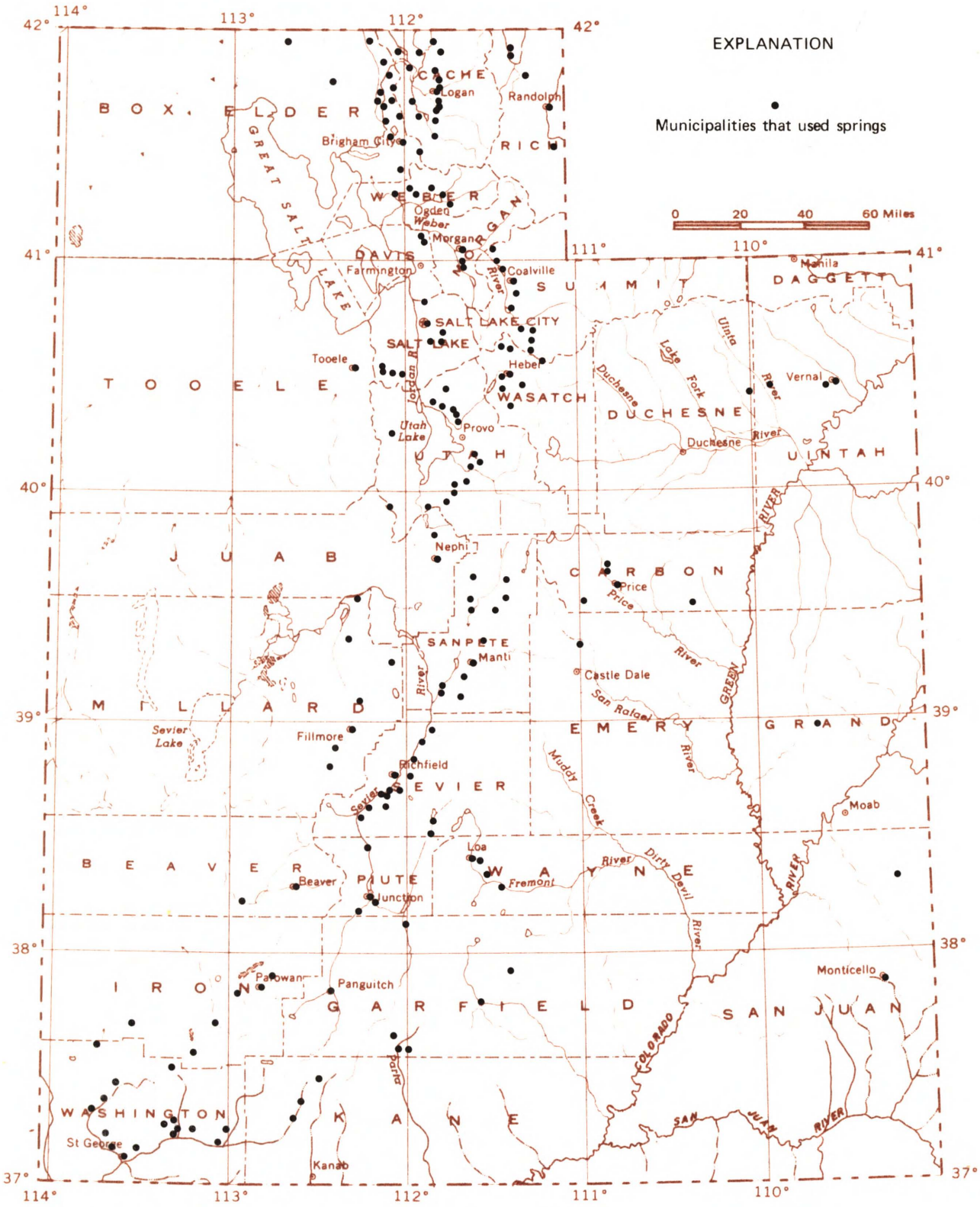


Figure 2. Map showing locations of municipalities that used springs in 1963 for all or part of their source of municipal water supply.

domestic purposes, about 3,470 applications have been filed for use of the water for irrigation, and about 2,670 applications have been filed for use for stock water. Undoubtedly additional use is made of water from many springs for which legal application has never been made. The locations of municipalities that use springs as the source of all or part of their water supplies are shown in figure 2.

Previous Work and Acknowledgments

Many springs in Utah have been described or mentioned by other investigators. Meinzer (1927) mentions Swan Creek Spring in northeastern Utah as one of the large springs of the United States. Wilson and Thomas (1964), Cordova (1964), and Bjorklund and Robinson (1968) present detailed information about a few large springs in Utah. Many other investigators are listed in the section "Selected references."

Many U. S. Geological Survey personnel assisted in the collection and assembly of data for the hydrology, geology, and chemistry of the springs described in this report.

Spring-numbering System

The spring-numbering system used in this report is illustrated in figure 3 and is based on the U. S. Bureau of Land Management's system of land subdivision. The spring number indicates the location of the spring by quadrant, township, range, section, and position if known within the section. Four quadrants are formed by the intersection of the Salt Lake base line and the Salt Lake meridian. A capital letter at the beginning of the number indicates the quadrant in which the spring is located—A, the northeast; B, the northwest; C, the southwest; and D, the southeast. Numbers designating the township and range, respectively, follow the quadrant letter and the three are enclosed in parentheses. The number after the parentheses designates the section; and the letters following the section number, if shown, indicate the location of the spring within the section. The first letter denotes the quarter section, usually 160 acres; the second the quarter-quarter section, 40 acres; and the third the quarter-quarter-quarter section, 10 acres. The letters are assigned within the section in a counterclockwise direction beginning with "A" in the northeast quarter of the section. Others are assigned within each quarter section in each quarter-quarter section in the same manner.[1] For example, (D-3-4)27cbd indicates a spring in the southeast quarter of the northwest quarter of the southwest quarter of sec. 27, T. 3 S., R. 4 E. Capital letter "D" indicates that the township is south of the Salt Lake base line and the range is east of the Salt Lake meridian.

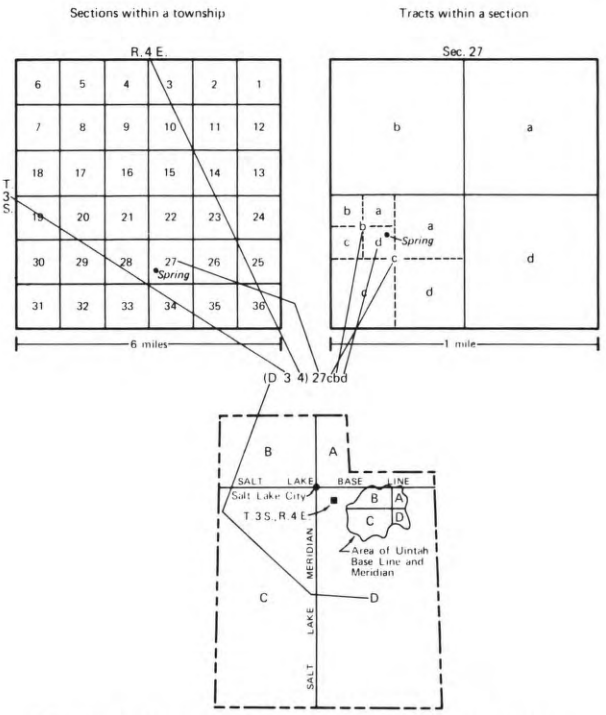


Figure 3. Diagram showing spring-numbering system.

In addition to the Salt Lake base line and meridian, which apply to most of Utah, the Uintah base line and meridian are the basis for describing locations in a small, irregularly shaped area of northeastern Utah. The quadrants, townships, ranges, sections, and parts of sections are designated in the same way as for the Salt Lake base line and meridian. For any location in the Uintah base line and meridian area, however, the letter "U" precedes the parenthesis.

In other reports of the U. S. Geological Survey that describe the water resources of Utah, the letter "S" has been appended to the spring numbers to differentiate them from well numbers. The letter "S" has been omitted from designations in this report because no well numbers are used in this report, and thus no possibility of confusion exists.

In this report, the locations of many springs are only approximate and are estimated from maps having scales and accuracy that prevent precise location of the springs. Many locations were estimated for unsurveyed areas. Some spring locations were obtained from maps prepared as early as the 1880's.

[1] In text, illustrations, and typeset tables these letters are lowercase, but in tables reproduced from computer listings, such as table 1, all letters are uppercase.

For some areas for which township and range grids have not been established, the grids were projected from the nearest adjacent areas; locations for such areas are subject to considerable error and are shown by (E) in table 1.

DESCRIPTION OF SPRINGS

Springs may be described by various criteria such as magnitude of spring discharge, variability of spring discharge, temperature of the water, chemical characteristics of the spring discharge, type of orifice from which the spring issues, source of the spring discharge, topographic position of the spring, or characteristics of the geologic material that supplies water to the spring.

The first two criteria—magnitude and variability of spring discharge—are discussed more fully in the next few pages. In the description of individual springs that follows, however, all the criteria are considered when data are available.

Magnitude of Spring Discharge

Meinzer (1923, p. 53) presented a classification of spring discharge "suggested for practical use in the United States." Under this classification, the designation of a spring may refer to the average discharge of the spring or to its discharge on a specified date.

Magnitude	Discharge[1]
First	100 cfs (cubic feet per second) or more
Second	10 to 100 cfs
Third	1 to 10 cfs
Fourth	100 gpm (gallons per minute) to 1 cfs
Fifth	10 to 100 gpm
Sixth	1 to 10 gpm
Seventh	1 pint per minute to 1 gpm
Eighth	Less than 1 pint per minute (less than 180 gallons per day)

The variability of the discharge of most springs during any given year and from year to year suggests that average discharge is the most reasonable basis for classification of magnitude. For example, information furnished by the Utah Power and Light Company shows that the discharge of Swan Creek Spring near Bear Lake, (A-14-5)6dbd, has ranged from less than 10 cfs to more than 200 cfs during the period February 1964 to March 1968. Thus, this spring ranges from first to third magnitude on the basis of instantaneous discharge and probably second magnitude on the basis of average discharge.

The lack of continuous records of discharge for nearly all springs in Utah prevents any statewide classification of springs by magnitude. Mammoth Spring near Hatch, (C-36-7)31dac, which has had a discharge as great as 314 cfs (Wilson and Thomas, 1964, p. 24), and Swan Creek Spring, which has had discharges greater than 200 cfs, are undoubtedly the largest springs in Utah. If average discharge is the basis for classification of spring magnitude, no first magnitude springs are in Utah. The number of second magnitude springs in Utah is not known but is probably less than a hundred; most of these springs are near the minimum average discharge required for designation as second magnitude.

The largest springs usually discharge from or near carbonate rocks in which solution channels and fractures are numerous or from areas of porous or fractured volcanic rocks. Swan Creek Spring is associated with carbonate rocks, whereas Mammoth Spring is in an area of both carbonate and volcanic rocks.

The importance of a spring is not directly related to the magnitude of its discharge. A small spring having a discharge of only a few gallons per minute in a desert area may be of much greater importance than a large spring in an area of abundant water supplies. More than a hundred years ago, Simpson Spring, (C-9-8)18adb, which is near the western base of the Simpson Mountains and at the east side of the deserts of western Utah, was of critical importance on the Pony Express and Overland Stage routes; this spring usually has a discharge of less than 10 gpm. At the present time, P. R. Spring, (D-15-23)36dd, which has a discharge of 4 to 10 gpm and is located in the Roan Plateau in eastern Utah, is the only supply of potable water for a large area. Crescent Spring, (B-8-13)36ddd, is not a major spring but is a fairly rare source of water along the western side of the Hogup Mountains near the northwest side of Great Salt Lake. The discharge of the spring probably is several gallons per minute from what has been described as a seepage area. The water is highly mineralized; it contains 6,780 ppm (parts per million) of dissolved solids and is strongly sodium chloride in type. Many small springs in Utah are of no importance as major sources of water supply but are of extreme importance to ranchers and others who are totally dependent on such springs for domestic or stock supply.

Variability of Spring Discharge

The variability of spring discharge can be quantitatively stated as the ratio of the fluctuation to the

[1] Cubic feet per second (cfs): A unit expressing a rate of discharge. One cfs is equal to the discharge of a stream of rectangular cross section, 1 foot wide and 1 foot deep, flowing water at an average velocity of 1 foot per second. A discharge of 1 cfs equals a discharge of 448.83 gpm.

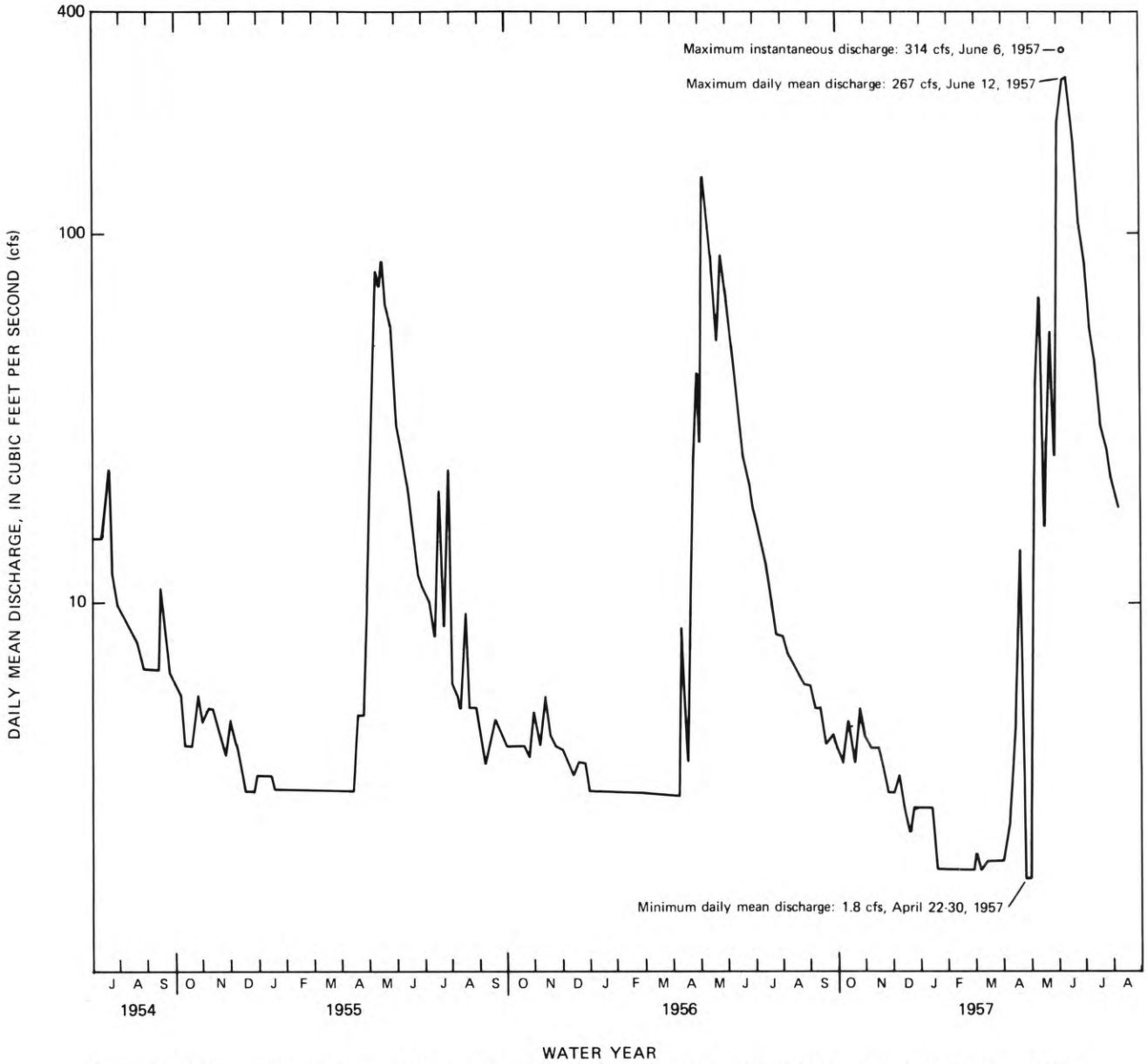


Figure 4. Hydrograph of discharge of Mammoth Spring near Hatch, Utah, (C-36-7)31dac, July 1954 to August 1957.

average discharge and can be expressed by the formula $V = 100(\frac{a-b}{c})$, where V is the variability (in percentage), a is the maximum discharge, b is the minimum discharge, and c is the average discharge (Meinzer, 1923, p. 53). A "constant spring" has a variability of not more than 25 percent, a "subvariable spring" has a variability of more than 25 percent but not more than 100 percent, a "variable spring" has a variability of more than 100 percent.

Although data from which reliable classification of spring variability can be made have been obtained for only a few springs in Utah, most nonthermal springs in the State probably are variable; that is, their variability of discharge exceeds 100 percent according to the formula of Meinzer. Of course, all intermittent springs are variable because they have no discharge during some periods. The maximum discharge of most springs probably is related to the snowmelt period. Secondary peaks during the year are related to intense or prolonged rainfall. For example, Mammoth Spring, (C-36-7)31dac, showed several secondary peaks during July and August 1955 (fig. 4); these peaks reflect heavy rainfall in the recharge area.

Continuous records of the discharge of Mammoth Spring were obtained during the period July

1954 to August 1957. Figure 4 was prepared from records of daily mean discharges of the spring. Because the period of record was short, only an estimate can be made of long-term average discharge. For the 1955 water year[1], the average discharge was 9.8 cfs; for 1956, 14.1 cfs; and for 1957 (including estimated discharge for August and September), about 30 cfs. Maximum daily mean discharge in the 1955 water year was 85 cfs, in 1956 was 142 cfs, and in 1957 was 267 cfs. Maximum instantaneous discharge during the period of record was 314 cfs; minimum discharge was 1.8 cfs. Therefore, Mammoth Spring is classed as highly variable, with a variability estimated as about 1,700 percent. Such a variability is unusual only in that the maximum discharge of the spring is large. Probably hundreds of springs in Utah have greater percentage variabilities, but the discharge of many of these springs would range from a maximum of only a few tens of gallons per minute to unmeasurable seeps having discharges of a fraction of a pint per minute.

Swan Creek Spring, (A-14-5)6dbd, which has had discharges ranging from less than 10 cfs to more than 200 cfs and an estimated average discharge of 30 cfs, is classed as variable. Maximum discharge coincides with the period of maximum snowmelt; minimum discharge usually occurs during late summer or early fall.

About 60 discharge measurements were made at Ashley Creek Springs near Vernal, (D-3-20)1bd, during the periods October 1943 to September 1945 and July 1954 to November 1956. Minimum measured discharge was about 15 cfs and the maximum was about 50 cfs. According to J. D. Maxwell (written commun., 1969), the maximum discharge of this spring may be as high as 90 cfs. Maximum discharge, as for most large springs in Utah, coincides with the period of maximum snowmelt; minimum discharge apparently occurs during late winter and early spring immediately preceding the snowmelt period. Meinzer (1927, p. 88) reported that "A large spring on Ashley Creek, about 10 miles northwest of Vernal, Utah, in sec. 1, T. 3 S., R. 20 E., was measured by the [U. S.] Geological Survey on January 23, 1922, when it had a flow of 30.5 second-feet [cubic feet per second], and on September 5, 1922, when it had a flow of 50 second-feet." Measured discharges of the spring during January 1945, 1955, and 1956 were 18.3, 20.2, and 17.7 cfs, respectively; measured discharges during September 1944, 1945, and 1954 to 1956 were 28.0, 35.3, 30.6, 26.7, and 21.6 cfs., respectively. Thus, the discharge of the spring during January and September 1922 was appreciably greater than it was during the same months many years later; maximum discharge of the spring probably exceeded 80 cfs at some time during late May or June 1922. Based on an estimated average discharge of 25 cfs, computations indicate that the spring should be classed as variable. During some years, the spring may be subvariable.

Clear Lake Springs, (C-20-7)10a, south of Delta, was measured monthly during June 1959 to May 1961 and weekly during May 1961 to June 1965 (Mower, 1967, p. 9). During 1959 to 1965 the discharge ranged from 13.3 to 25.1 cfs, and the average annual discharge was about 20 cfs. The annual maximum discharge was in April or May, and the annual minimum discharge in September or October. During the 6-year period, the spring was subvariable, with a probable variability of about 60 percent.

Colton Spring, (D-11-8)27dad, is in an area of ground-water discharge in and near the channel of the Price River, which was called the "Colton Spring locale" by Cordova (1964, p. 15). During a "wet" year (1957), the average discharge of the Colton Spring locale was about 1,300 gpm and during a "dry" year (1961) about 750 gpm. Cordova (1964, p. 16) computed "estimated monthly flow from the Colton Spring locale" for the period 1957 to 1962. Although some of the data presented by Cordova were for Colton Spring only and some for the Colton Spring locale, the data are sufficient for the conclusion that Colton Spring is variable.

Molten Springs, (C-16-2)34aab, north of Scipio, are classed as constant on the basis of monthly measurements made during December 1962 to November 1963. Measured discharges during the year ranged from 5.42 to 6.40 cfs.

Casto Spring, (D-2-1)2cdc, and Dry Creek Spring, (D-2-1)11baa, are a few hundred feet apart at an altitude of about 4,700 feet in the east-central part of the Jordan Valley east of Holladay. Minimum discharge of each of the springs is usually about 0.5 cfs (225 gpm); the minimum normally occurs during late winter or early spring. Maximum discharge is about 7 cfs at Casto Spring and about 5 cfs at Dry Creek Spring. Records of the Salt Lake County Water Conservancy District indicate that the average discharge of Casto Spring is about 2.6 cfs and of Dry Creek Spring is about 2.3 cfs; thus both springs are classed as variable.

Major Springs in Selected Areas

In this section of the report, data are presented for nonthermal springs that have had measured or

[1] The water year covers the period October 1 through September 30 and is designated by the calendar year in which it ends.

estimated discharges of 1 cfs or more. Some major springs are described individually and some are described as a group of springs if several major springs discharge within a relatively small area. Although no study was made of the detailed geology near any of the springs, generalized geologic maps for selected areas are presented to show the relation between springs and the general rock types. The locations of areas for which geologic maps are presented and of major springs described in this report are shown in figure 5.

The results of chemical analyses of water from many of the major springs in Utah are presented in table 2. In this table, the data are arranged in the order of spring-location number. Data for springs in "A" (northeast) quadrant, Salt Lake base line and meridian, are listed first; springs in "B" (northwest) quadrant are listed next, springs in "C" (southwest) quadrant are listed next; and springs in "D" (southeast) quadrant are listed last. Thus, springs in areas that are in parts of two different quadrants are not presented as a group in table 2. The data for all springs for which chemical data are available can be found readily by use of the spring-location number.

In following sections of this report, the term "water type" is used to describe the character of the water with respect to its dissolved mineral composition; it indicates the anion(s) and cation(s), expressed in equivalents per million[1], that are predominant. The following table gives the factors for conversion of parts per million to equivalents per million:

Ion	Multiply by
Bicarbonate (HCO_3^{-1})	0.01639
Calcium (Ca^{+2})	.04990
Carbonate (CO_3^{-2})	.03333
Chloride (Cl^{-1})	.02821
Fluoride (F^{-1})	.05264
Magnesium (Mg^{+2})	.08226
Nitrate (NO_3^{-1})	.01613
Potassium (K^{+1})	.02557
Sodium (Na^{+1})	.04350
Sulfate (SO_4^{-2})	.02082

In following sections of this report, the spring discharges, given in cubic feet per second and gallons per minute, are measured or estimated discharges. Unless specifically stated to be average, minimum, or maximum discharge, the data given in the following sections are not necessarily representative of any of these three discharge values.

[1] Equivalents per million: A unit for expressing the concentration of chemical constituents in solution in terms of the interreacting values of the electrically charged particles, or ions. One equivalent per million of a positively charged ion will react with one equivalent per million of a negatively charged ion.

Cache Area

The Cache area, as used in this report, extends approximately from Cache Valley on the west to Bear Lake on the east and a maximum of about 30 miles south from the Utah-Idaho State line. The area includes most of Cache County and small parts of Rich and Box Elder counties. Figure 6 shows the general geology of the area and the locations of several major springs and many other known springs. Although most of the springs in the Cache area, as shown in figure 6, appear to be discharging from unconsolidated or semiconsolidated rocks in Cache Valley, many of the large springs discharge from carbonate rocks in the mountains. The accessibility of the valley and the large demand for water for agricultural and other uses probably have resulted in the reporting of nearly all springs in the valley. Undoubtedly many more springs exist in the mountains than are shown in figure 6.

The dissolved-solids content and water discharge of major springs in the Cache area are given in the table below.

For all springs in the Cache area for which chemical analyses were made (table 2), the water type was calcium bicarbonate or calcium magnesium bicarbonate. In general, springs in or immediately adjacent to the mountains discharged water that had dissolved-solids contents of less than 300 ppm (parts per million)[1]; whereas the water in springs issuing from the unconsolidated deposits a mile or more from the mountain front had dissolved-solids contents ranging from about 300 to 500 ppm. None of the springs in the mountains yields water that contains more than 5 ppm of sodium or 10 ppm of chloride. The chemical characteristics of selected springs in the Cache area and in other areas in Utah are shown diagrammatically in plate 2.

The minimum, maximum, or average discharges are not known for any springs in the area. Maximum water discharge probably is during and shortly after the snowmelt period in late spring; the dissolved-solids content of the spring discharge probably is

[1] Parts per million (ppm): A unit for expressing the concentration of chemical constituents by weight, usually as grams of constituents per million grams of solution. In the laboratory the results are expressed in weights of solutes in a given volume of water. To express the results in parts per million, the data must be converted. For most waters, this conversion is made by assuming that a liter of water weighs 1 kilogram; thus milligrams per liter (mg/l) is equivalent to parts per million for waters having dissolved-solids concentrations less than about 7,000 ppm.

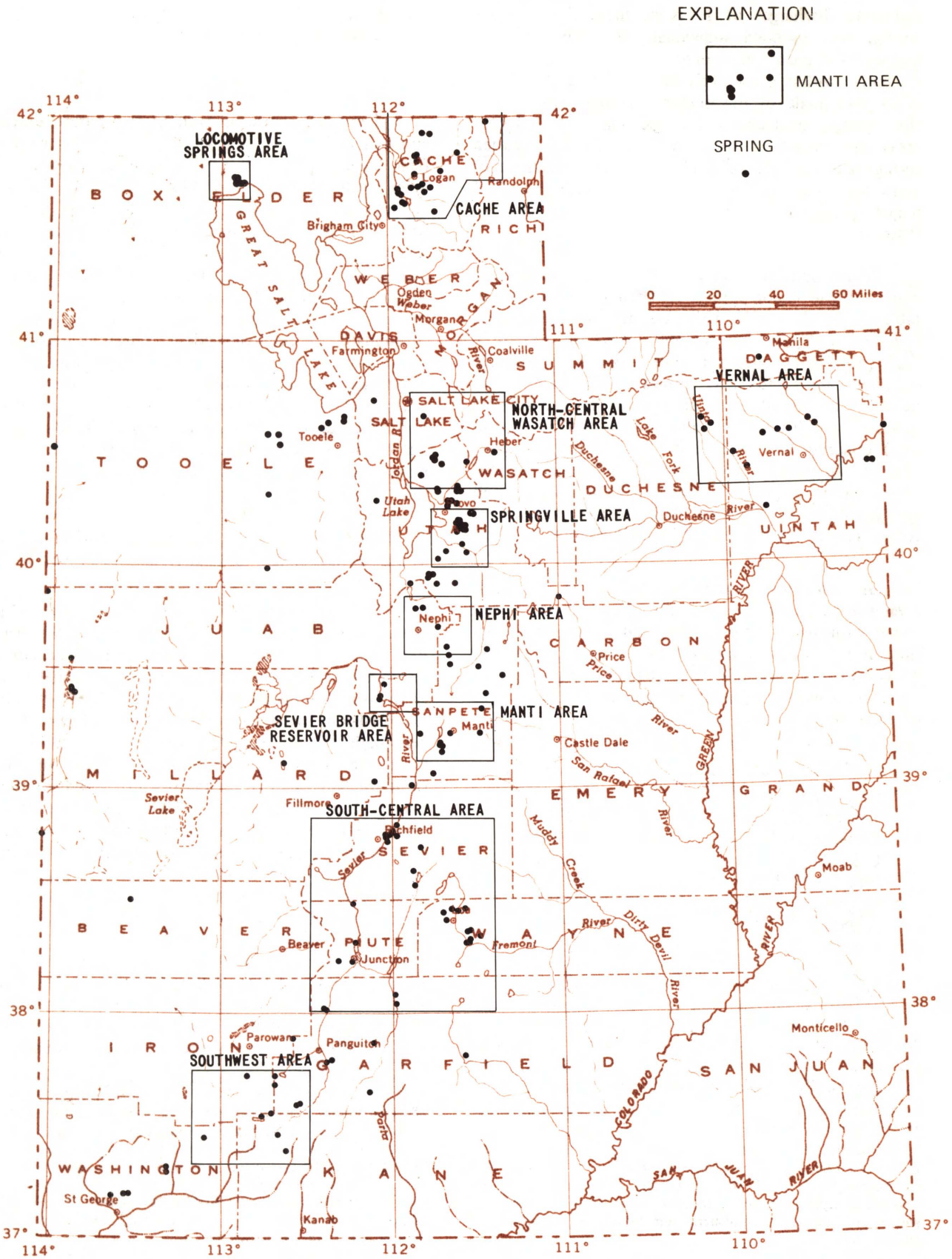


Figure 5. Map showing locations of major springs and of areas for which report includes separate maps showing generalized geology.

Name and location		Approximate dissolved solids content (ppm)	Discharge	
			Cfs	Gpm
Paradise Spring	(A-10-2)29acd	225	3.0	1,350
Little Ballard Spring	(A-11-1)10ccd	–	3.4	1,530
Big Ballard Spring	(A-11-1)15bbc	345	1.0-6.5	450-2,925
Spring Creek Spring No. 2	(A-11-1)18bdd	330	6.0	2,700
Garr Spring	(A-11-1)23cda	260	3.5	1,575
Providence City Spring	(A-11-2)18acd	190	3.0-8.0	1,350-3,600
Chambers Spring	(A-12-1)4bab	530	2.0-6.0	900-2,700
Tree Springs	(A-12-1)29cac	–	8.0	3,600
Dewitt Spring	(A-12-2)22dc	190	20	9,000
Hopkins Spring	(A-13-1)32adc	350	3.7	1,665
Hopkins Slough	(A-13-1)32	–	8-30	3,600-13,500
Ricks Spring	(A-13-3)27ad	180	0-75	0-33,750
Robinson Spring	(A-14-1)26ccc	–	1.5	675
Cherry Creek Spring	(A-14-2)30bba	115	5-20	2,250-9,000
Swan Creek Spring	(A-14-5)6dbd	180	7-220	3,150-99,000
Wellsville Spring	(B-10-1)10aac	470	4.0	1,800
Murray Spring	(B-10-1)10cab	310	2.6	1,170
Hawbush (Leatham) Spring	(B-10-1)17cac	240	2.6	1,170
Gardner Spring	(B-11-1)21dac	320	6.0	2,700
Clayton Spring	(B-11-1)27bdd	–	2.0	900
Northfield Spring	(B-11-1)34dac	310	6.3	2,835
Wellsville New Dam Spring[1]		–	4.20	1,890
Wellsville City Spring[1]		–	1.86	840
Wellsville City Dam Spring[1]		–	3.0	1,350
Seven Springs[1]		–	10	4,500
North Spring No. 1[1]		–	5.20	2,340
North Spring No. 2[1]		–	3.50	1,575
Mendon Townsite Spring[1]		–	2.0-3.5	900-1,575
South Coleman Spring[1]		–	3.1	1,395
Stewart Spring[1]		–	1.5	675
Coleman Spring[1]		–	10.20	4,590
Creamery Spring[1]		–	2.0-3.5	900-1,575
Dutchman Spring[1]		–	2.0	900
Three Mile Creek Spring[1]		–	3.0	1,350
Hyrum Spring[1]		–	3.0	1,350
Millville Canyon Spring[1]		–	2.0	900

[1] Spring name and discharge data from Peterson (1946). Location number is unknown. Spring may appear in first part of table under another name.

lowest during the period of maximum discharge. Most of the water samples analyzed were obtained either shortly before or several months after the snowmelt period when the concentration of dissolved solids is probably at or close to the yearly maximum.

Locomotive Springs Area

The Locomotive Springs area in Box Elder County includes six separate springs known collectively as Locomotive Springs–West Locomotive Spring, (B-12-10)36cab, Baker Spring, (B-12-10)36dcc, Bar M Spring, (B-11-10)1adc, Off Spring, (B-11-9)6cac, Teal Spring, (B-11-10)12aac, and Sparks Spring, (B-11-9)5cca. The springs issue along a roughly arcuate line about 3½ miles long; the straight-line distance from West Locomotive Spring on the northwest to Sparks Spring on the southeast is about 2½ miles. The springs issue from basalt in a marshy area having saline lakebed sediments immediately to the west, north, and east and having Great Salt Lake to the south (fig. 7).

The total discharge from the spring area probably ranges from about 25 to 40 cfs. During the period October 1968 to March 1969, the average dis-

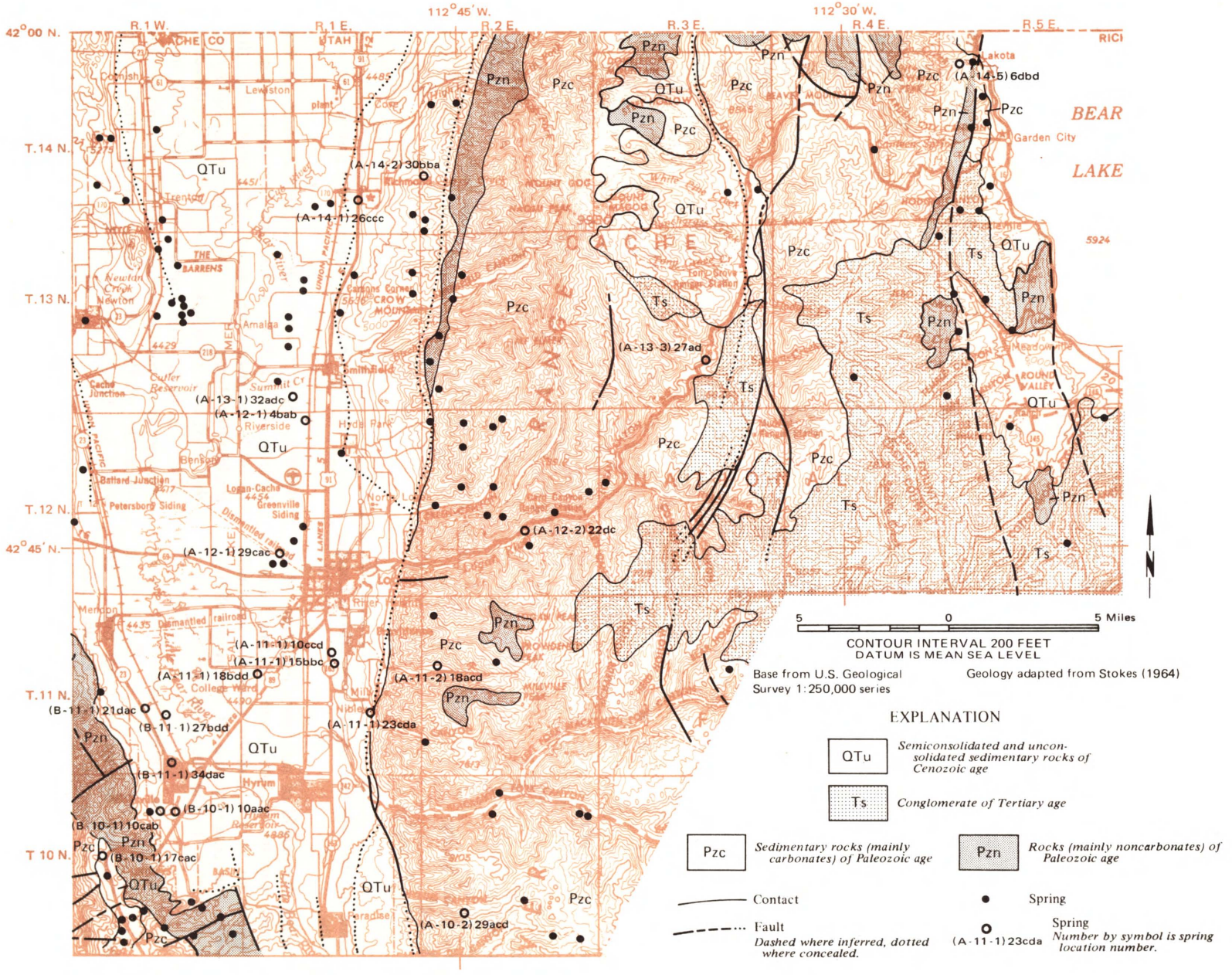
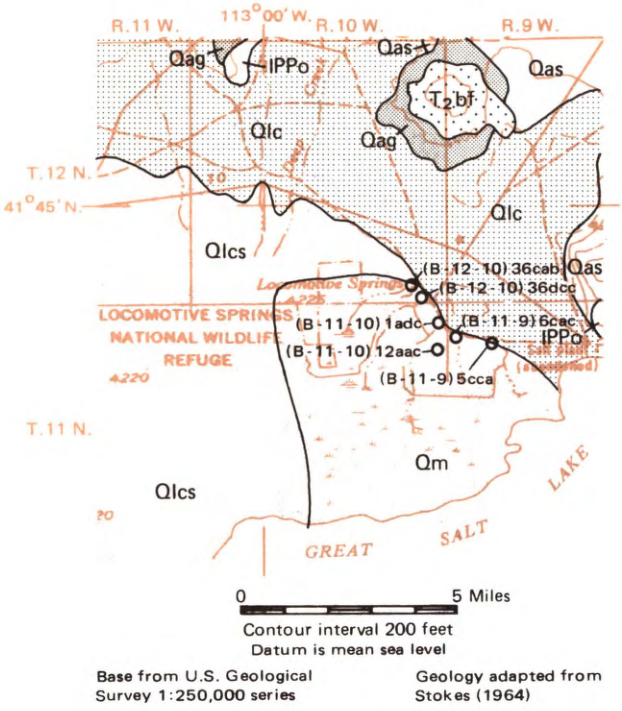


Figure 6. Map showing generalized geology of the Cache area.



EXPLANATION

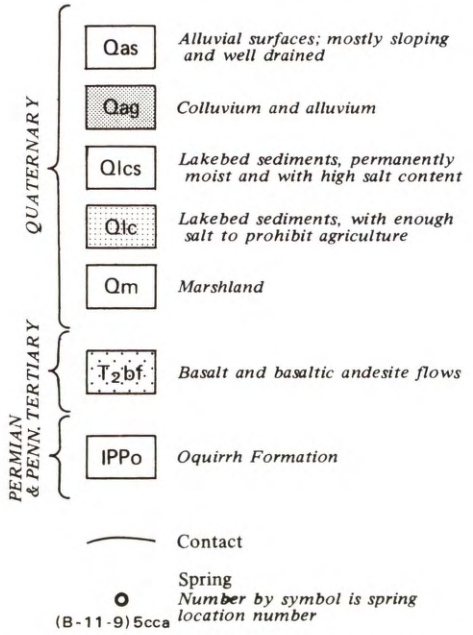


Figure 7. Map showing geology of the Locomotive Springs area.

charge from the springs (not including Teal Springs) was about 30 cfs; about 85 percent of the discharge was from West Locomotive and Bar M springs.

Bolke and Price (1969, p. 16-17) have suggested that the water discharging from Locomotive Springs has moved southward from Curlew Valley. The chemical characteristics of the water discharging from the various springs (table 2) also suggest that the source of the water is to the north of the spring area. The two northernmost springs (West Locomotive and Baker) have the lowest dissolved-solids contents. The two central springs (Bar M and Off) have a higher dissolved-solids content than do the two northernmost springs but have a lower content than do the two southernmost springs (Teal and Sparks). The increase in dissolved solids from north to south is due almost entirely to an increase in sodium and chloride. Calcium, magnesium, and bicarbonate concentrations are similar for all six springs. The dissolved-solids content of Sparks and Teal springs is approximately twice that of Baker Spring. The lack of an increase in calcium, magnesium, and bicarbonate concentrations and the roughly doubling of sodium and chloride concentrations suggest that the water is moving through a saline environment as it approaches Great Salt Lake. The farther it moves toward the lake the greater is the opportunity for solution of saline minerals and for mixing with interstitial brines, and thus the total dissolved-solids content increases. The sodium and chloride concentrations increase from north to south, therefore, and calcium, magnesium, and bicarbonate concentrations remain constant.

North-central Wasatch Area

The north-central Wasatch area is shown in figure 8, which shows the generalized geology and the locations of several major springs and many other springs. No relation is apparent between the general rock types shown and the occurrence of springs. Many springs not shown in figure 8 are known to occur in the mountain areas, but accurate locations of these springs are not available.

Casto Spring, (D-2-1)2cdc, and Dry Creek Spring, (D-2-1)11baa, issue from unconsolidated terrace deposits just west of the Wasatch Range. The terrace deposits probably are a veneer on consolidated rocks. These springs are one of the many sources of water supply for the metropolitan area of Salt Lake City. Records of the Salt Lake County Water Conservancy District (Grant K. Borg, 1951, Fluorescein Dye Test Results for the Spring Creek Irrigation Company, Salt Lake County, Utah) indicate that the average discharge of Casto Spring is about 2.6 cfs and of Dry Creek Spring about 2.3 cfs. Maximum discharge is about 7 cfs at Casto Spring and about 5 cfs at Dry Creek Spring. The source of the spring discharge is snowmelt and rain that infiltrates the consolidated sedimentary rocks in the mountains east of the springs. Tests conducted in May 1951 by the Spring Creek Irrigation Co. (Grant K. Borg, writ-

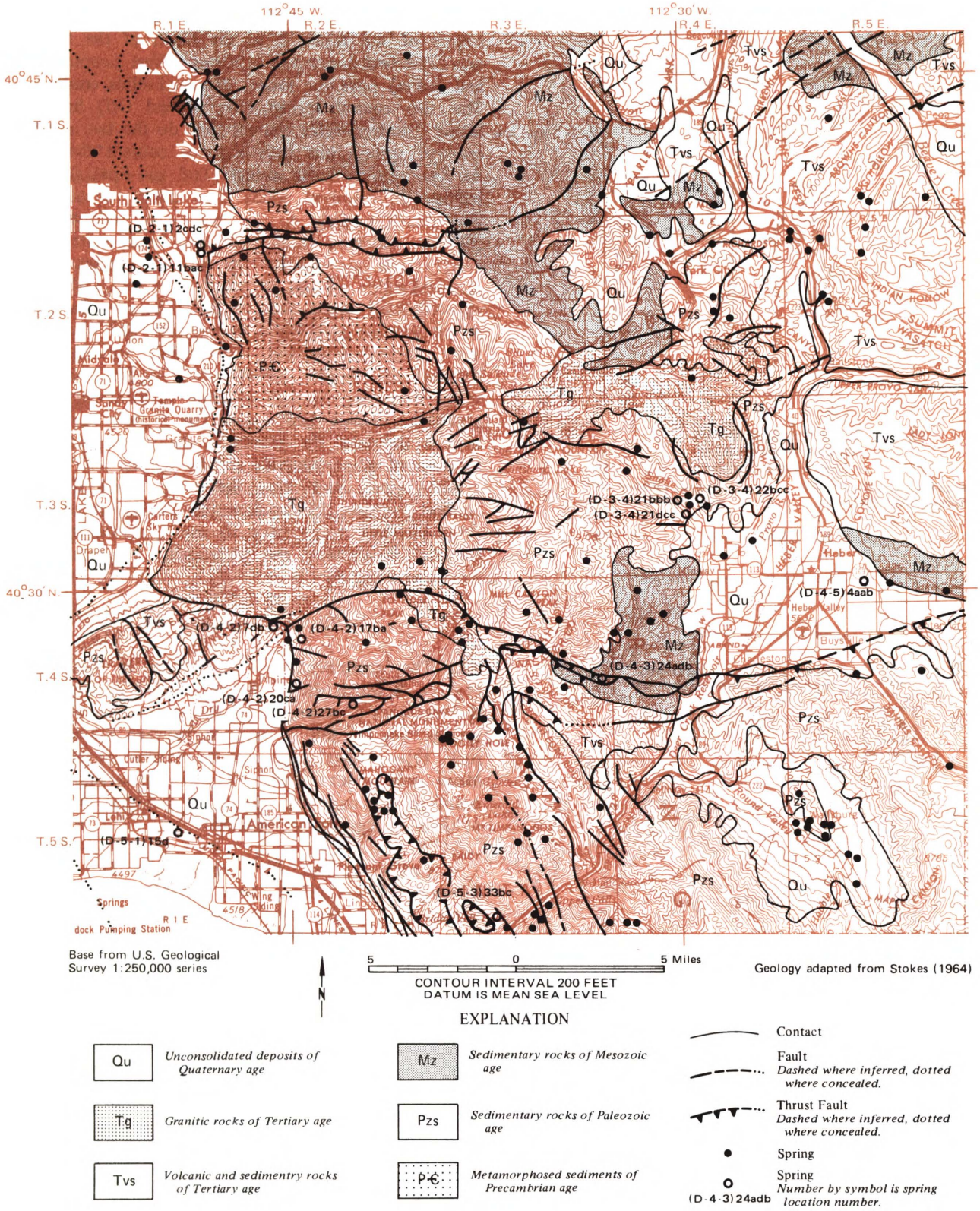


Figure 8. Map showing generalized geology of the north-central Wasatch area.

ten commun., 1951) showed that dye injected into an infiltration area in the mountains about 2 miles east of the springs appeared about 27 hours later at both springs. The water has a dissolved-solids content of about 360 to 430 ppm and is of the calcium bicarbonate type.

Grove Spring, (D-4-2)17ba, issues from granitic rocks of Tertiary age near their contact with alluvium of Quaternary age (fig. 8). This spring, which is a source of municipal water supply for Alpine, had a measured discharge of 7.8 cfs on May 25, 1963. The water has a dissolved-solids content of about 250 ppm and is of the calcium bicarbonate type.

Cave Camp Spring, (D-4-2)27bc, issues from sedimentary rocks of Paleozoic age in Timpanogos Cave National Monument. Discharge of the spring is about 3 cfs. Dissolved-solids content was about 270 ppm in March 1963; water type was calcium bicarbonate.

Epperson Spring, Gerber Spring, and Mahogany Spring, (D-3-4)21bbb, (D-3-4)21dcc, and (D-3-4)22bcc, respectively, issue from carbonate rocks of Paleozoic age about 2 miles north of Midway. Discharges of 3.5, 2.5, and 7.0 cfs, respectively, have been reported for these springs. Dissolved-solids content of all three springs ranges from about 290 to 350 ppm. The water is of the calcium bicarbonate type.

Heber City Springs area, (D-4-5)4aab, includes two distinct springs and an area of seeps near the east side of Heber Valley. The springs issue from alluvium of Quaternary age, but the source of the water is limestone of Mesozoic age at a depth of a few feet. The combined discharge of the springs and seeps ranged from about 2 to 7 cfs during 1967. Dissolved-solids content of the water ranges from about 210 to 280 ppm, and the water is of the calcium bicarbonate type.

Cascade Springs, (D-4-3)24adb, issue from fractured carbonate rocks of Paleozoic age near the edge of the overriding block of a major thrust fault about 3 miles west of Deer Creek Reservoir. The estimated discharge of the spring was 15 cfs in September 1968. The water has a dissolved-solids content of about 340 ppm and is of the calcium bicarbonate type.

Mill Pond Spring, (D-5-1)15d, issues from alluvium of Quaternary age about 2 miles north of Utah Lake. Reported discharge of the spring has ranged from 10 to 17 cfs. Chemical data obtained in September 1968 show that the dissolved-solids content of the water was 425 ppm, and the water was of the magnesium calcium bicarbonate type.

Schoolhouse Spring, (D-4-2)7db, has a reported discharge ranging from 1 to 2 cfs. Willow Spring, (D-4-2)20ca, has a discharge of about 2 cfs. Alta Spring, (D-5-3)33cb, has a discharge of about 1.5 cfs. Chemical data were not obtained on these springs, all of which issue from bedrock.

The described major springs in the north-central Wasatch area issue at altitudes ranging from about 4,700 to 6,250 feet; for those springs for which chemical data were obtained, the dissolved-solids content of the water ranges from about 200 to 430 ppm. Except for the water from Mill Pond Spring, the springs all discharged water of the calcium bicarbonate type. Many springs and seeps that issue at altitudes as high as 10,500 feet probably have dissolved-solids contents less than the minimum observed for the springs at lower altitudes.

Springville Area

The Springville area (fig. 9), which covers about 225 square miles, is immediately east of the southern part of Utah Lake and ranges in altitude from about 4,500 to 11,000 feet. Of the 15 major springs listed in the table below, all except Wheeler and Cold springs issue at the mountain front or within a zone extending about 2½ miles westward from the front. According to Cordova (1969, table 6), the geologic source of all these springs except Cold Springs is unconsolidated rock of Quaternary age; the geologic source of Cold Springs is unconsolidated rock of Quaternary age and consolidated rock of Paleozoic age.

Chemical analyses show that water from 12 springs is of the calcium bicarbonate type, from one spring (Big Hollow Springs) is of the magnesium calcium sodium bicarbonate type, from one spring (Spring Lake Springs) is of the magnesium calcium bicarbonate type, and from one spring (Cold Springs) is of the calcium sulfate bicarbonate type. The highest and the lowest dissolved-solids contents are for water from springs in the mountains. Spring Creek Springs, (D-7-3)35dbd, and Bartholomew Springs, (D-7-4)7 and 8, have dissolved-solids contents of about 190 ppm; Cold Springs, (D-9-3)12bda, has a dissolved-solids content of about 690 ppm. The other springs, all of which issue in the zone west of the mountain front, have dissolved-solids contents ranging from about 220 to 510 ppm.

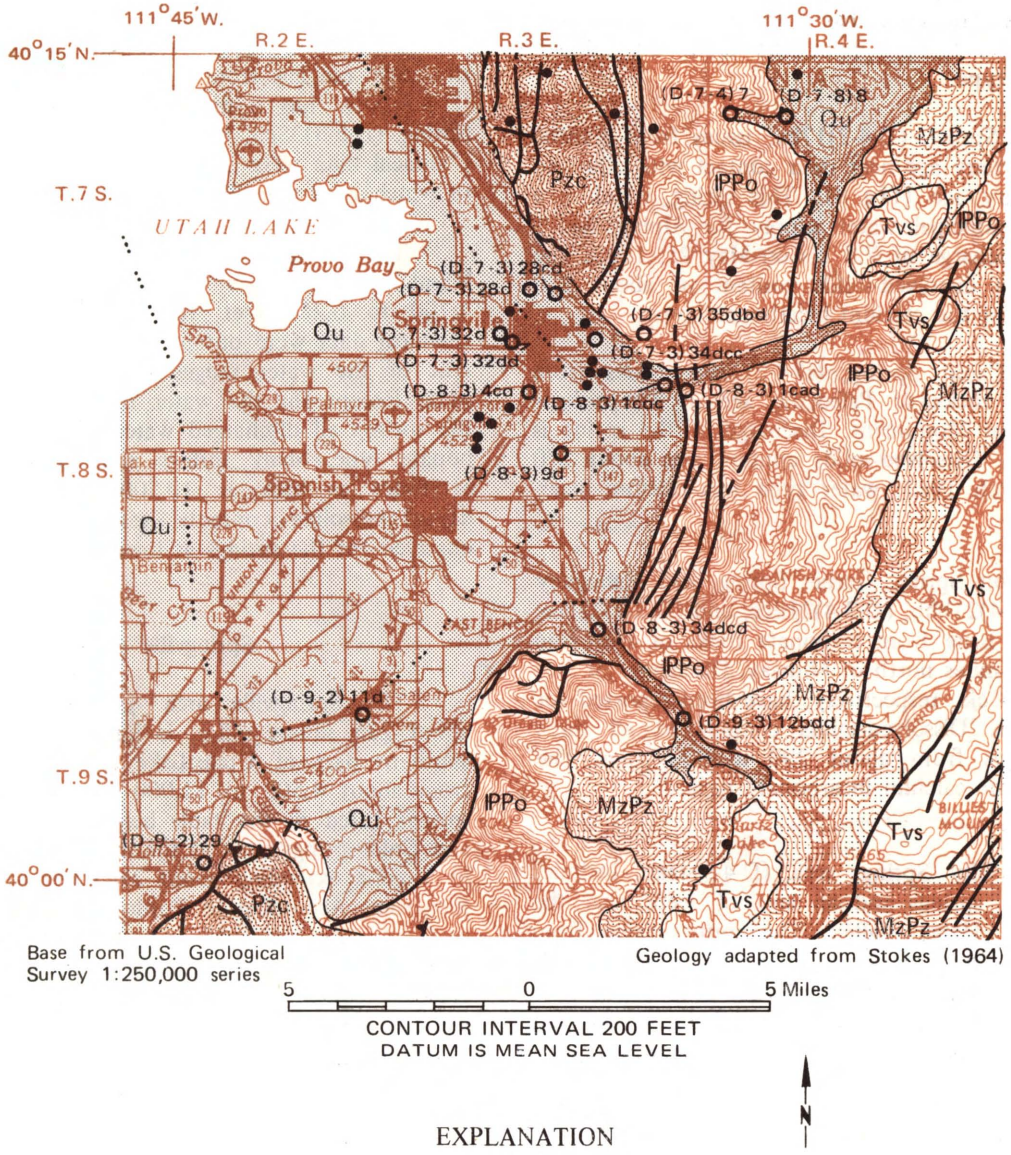


Figure 9. Map showing generalized geology of the Springville area.

Name and location		Approximate dissolved-solids content (ppm)	Discharge	
			Cfs	Gpm
Little Spring Creek Springs	(D-7-3)28cd	–	3-3.5	1,350-1,575
Spring Creek Springs	(D-7-3)28d	300	10-29	4,500-13,000
Wood Springs	(D-7-3)32d	390	3.5-5.0	1,575-2,250
Matson Springs	(D-7-3)32dd	–	0.5-3.5	225-1,575
Wheeler Springs	(D-7-3)34dcc and (D-8-3)3a	360	1.0-5.7	450-2,560
Spring Creek Springs	(D-7-3)35dbd	190	3-11	1,350-4,950
Bartholomew Springs	(D-7-4)7 and 8	190	1-4	450-1,800
Burt Springs	(D-8-3)1cac	265	3-9	1,350-4,050
Cox Springs	(D-8-3)1cad	260	1.5-4	675-1,800
Dry Creek Springs	(D-8-3)4ca	475	2.2-7	1,000-3,150
Big Hollow Springs	(D-8-3)9d	500	3-4.5	1,350-2,000
Malcolm Springs	(D-8-3)34dcd	–	2	900
Salem Lake Springs	(D-9-2)11d	510	3-5	1,350-2,250
Spring Lake Springs	(D-9-2)29	220	1.5-4.0	675-1,800
Cold Springs	(D-9-3)12bda	690	4.5	2,000

Nephi Area

The Nephi area is shown in figure 10, which shows the generalized geology and the locations of four major springs or spring areas and many other springs.

Clover Creek Spring, (D-12-1)bbc, issues at the western edge of an area of brecciated limestone of Pennsylvanian and Permian age (fig. 10), about 6 miles northeast of Nephi. The spring, which has a discharge of about 2 cfs (900 gpm), has been developed and is the source of municipal supply for the town of Mona. The water has a dissolved-solids content of about 200 ppm and is calcium bicarbonate in type.

Burriston Ponds, (D-12-1)6d, receive the discharge of many springs in the vicinity of the ponds. The total discharge of these springs ranges from 10 to 15 cfs. The springs are about midway across the Juab Valley, which is about 4 miles wide at this point. The dissolved-solids content of one of the springs was 898 ppm at a discharge of 1.7 cfs on May 15, 1965; and the water was of a complex sodium calcium magnesium chloride bicarbonate type. Thus the spring water issuing at Burriston Ponds contains about four times as much dissolved solids as does the water at Clover Creek Spring, which is only about 2½ miles east; and the waters are of different chemical types (see pl. 2). The source of most of the water issuing from Burriston Ponds is infiltration of water from Salt Creek into the Salt Creek alluvial fan near Nephi, about 6 miles south of Clover Creek Spring. According to Bjorklund (1967, p. 49), "Much of the alluvium in the fan and in Salt Creek Canyon is derived from the Arapien Shale of Jurassic age, and the relatively high concentration of dissolved solids, particularly chloride and sulfate, is due to the solution of minerals as the water passes through the alluvium."

Bradley Spring, (D-13-2)5cbd, issues from conglomerate of Cretaceous age (fig. 10). The spring is excavated and sealed, and from the collecting headworks the water is piped by gravity to a small reservoir near Nephi for which the water is the principal source of municipal supply. Some of the spring water is used for irrigation. Discharge is reported to average about 4 cfs (1,800 gpm), with the flow greatest in July and August, several weeks after the main period of snowmelt. Chemical data obtained in 1950 and 1965 show no appreciable change in the chemical characteristics of the water. Dissolved-solids content is about 225 ppm, and the water type is calcium bicarbonate.

Big Springs, (D-14-2)2bab, has a reported discharge of 4 to 17.5 cfs from rocks of Cretaceous age about 10 miles southeast of Nephi. The water is used for the municipal supply of Fountain Green, for irrigation, and for the Fountain Green Fish Hatchery. The water has a dissolved-solids content of about 250 ppm and is of the calcium bicarbonate type.

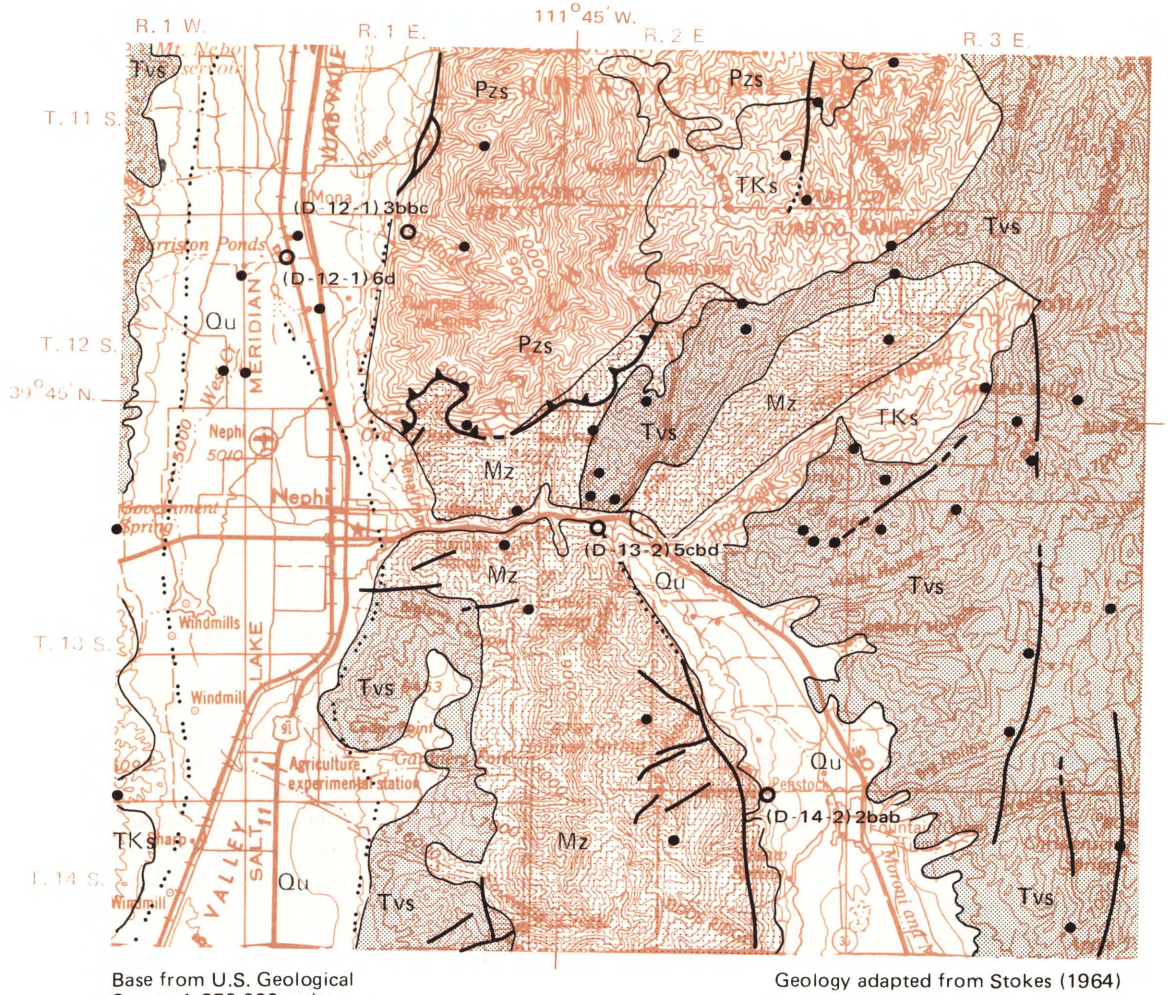


Figure 10. Map showing generalized geology of the Nephi area.

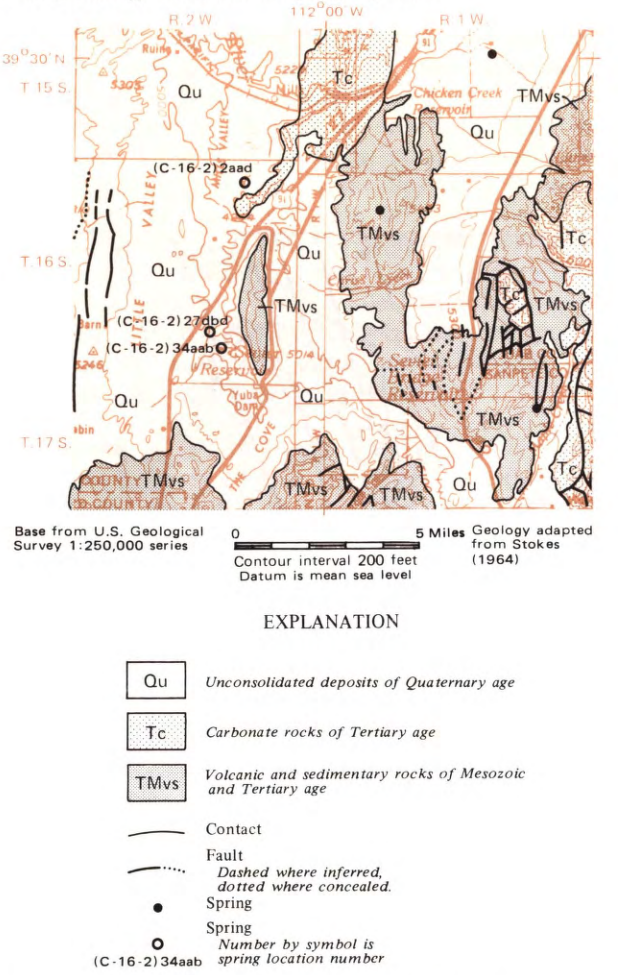


Figure 11. Map showing generalized geology of the Sevier Bridge Reservoir area.

Sevier Bridge Reservoir Area

The locations of three springs that contribute to the flow of the Sevier River downstream from Sevier Bridge Reservoir and the generalized geology of the surrounding area are shown in figure 11. Chase Springs, (C-16-2)2aad; Blue Springs, (C-16-2)27dbd; and Molten Springs, (C-16-2)34aab, issue from alluvium of Quaternary age; they contribute about 3, 22, and 6 cfs, respectively, to the flow of the Sevier River. Blue and Molten springs issue near the edge of the flood plain and flow directly to the Sevier River; Chase Springs issue in a large marsh area about 5 miles north of Molten and Blue springs and the water moves about 2 miles through the marsh before it enters the Sevier River. The temperature of the water from the three springs is fairly constant throughout the year, ranging from 61° to 64° F.

The dissolved-solids contents and other chemical characteristics of the water from Blue and Molten springs are similar. The dissolved solids range from about 330 to 430 ppm, and the water varies from calcium magnesium bicarbonate to magnesium calcium bicarbonate type. Chase Springs has a dissolved-solids content of about 1,200 ppm, and the water is of the magnesium calcium sodium chloride type.

Bjorklund and Robinson (1968, p. 20-21) give a detailed discussion of the source of the water for the three springs. Blue and Molten springs discharge water that has moved in the subsurface from Scipio Valley to the south through a series of caverns and solution channels alined along faults in the underlying North Horn Formation and Flagstaff Limestone of Cretaceous and Tertiary age. Some of the water discharging from Chase Springs may have the same source, but most of the water may have moved from the vicinity of Sevier Bridge Reservoir through alluvium or in solution channels in the bedrock beneath the alluvium.

Manti Area

The Manti area includes the lower Sanpete Valley, a small part of the central Sevier Valley, and adjacent mountains (fig. 12). Eight springs, which have reported discharges ranging from about 1 to 5 cfs (450 to 2,250 gpm), discharge in the area and are listed in the table below.

Name and location		Approximate dissolved-solids content (ppm)	Discharge	
			Cfs	Gpm
Big Spring	(D-17-4)16dcd	210-250	1.4-4.0	625-1,800
Fayette Spring	(D-18-1)19dab	575-590	4.2	1,900
Stinking Springs	(D-18-2)23aac	1,090	0.5-3.0	225-1,350
Hougaard Springs	(D-18-4)20bb	310-375	2.0-2.5	900-1,175
Olsen Springs	(D-19-2)5ba	–	0.75-1.2	340-550
Pettyville Springs	(D-19-2)5da	–	1.0	450
Nine Mile Cold Spring	(D-19-2)9ccb	830	1.6-3.1	725-1,400
Spannard Spring	(D-19-2)20ddd	610	2.0	900

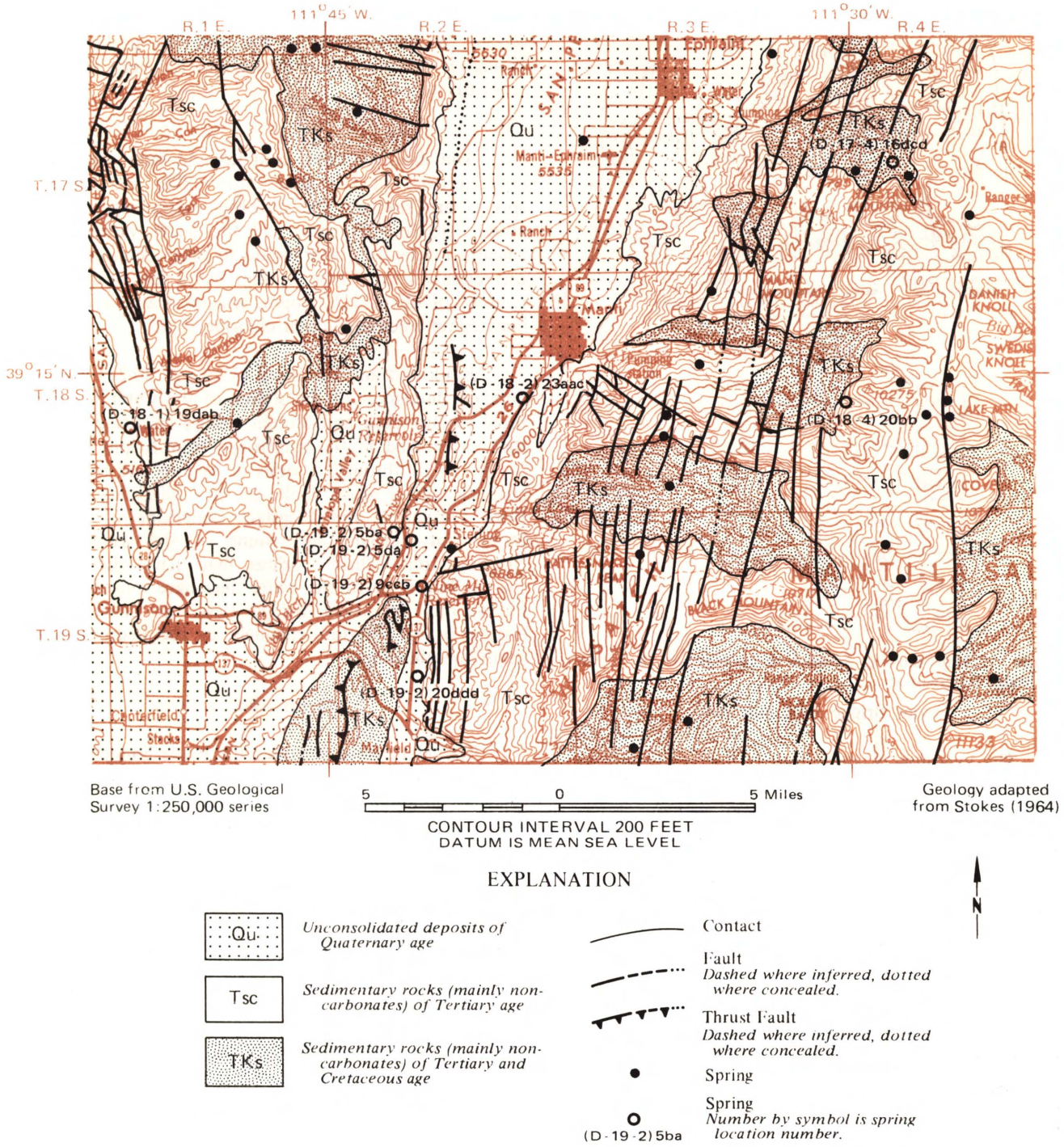


Figure 12. Map showing generalized geology of the Manti area.

Chemical data were not obtained at Olsen and Pettyville Springs. As shown by the diagrams in plate 2, the chemical characteristics of the water from the other six springs are markedly different. The water from Big Spring is calcium magnesium bicarbonate in type, that from Spannard Spring is magnesium calcium bicarbonate in type, that from Stinking Springs is sodium bicarbonate chloride in type, that from Fayette Spring is sodium magnesium calcium bicarbonate chloride in type, that from Hougaard Springs is magnesium calcium bicarbonate sulfate in type, and the water from Nine Mile Cold Spring is sodium bicarbonate in type.

The water from Big Spring and Hougaard Springs discharges from fractures and joints in sedimentary rocks in the mountains east of Sanpete Valley and is fairly low in dissolved solids. Fayette, Stinking, Spannard, and Nine Mile Cold springs, which issue at or near the edge of the mountains, discharge water that is more highly mineralized. The water from these four springs may have percolated for a longer time through the subsurface and thus had greater opportunity than the water issuing from Big and Hougaard springs for solution of mineral matter. Furthermore, the temperatures of the water of Stinking Springs (maximum reported, 61° F) and Fayette Spring (64° F) suggest that the location of these springs may be controlled by faults. Thus the water may have descended to depths of several hundred feet before rising along the fault, and solution of minerals and mixing with mineralized waters may have occurred as the heated water rose to the surface.

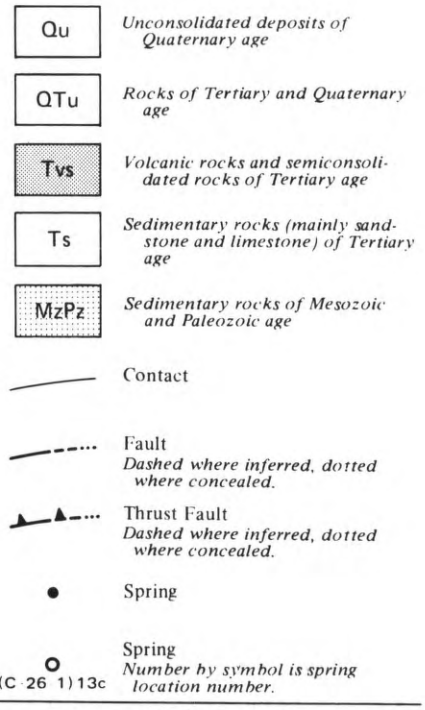
South-central Area

Figure 13 shows the locations of 28 major springs in the 3,600-square-mile south-central area, the locations of many other springs, and the generalized geology. The area probably includes hundreds of additional small springs and seeps which are not shown in the figure.

Nearly all the major springs shown in figure 13 are in valleys bordered by volcanic rocks of Tertiary age. This coincidence probably is due to (1) the favorable geologic and physiographic conditions for the occurrence of springs near the margins of valleys and (2) the much greater chance that large springs will be used and reported in valleys where the demand for water is much greater than in remote mountain areas.

The dissolved-solids contents of the water from all major springs for which chemical data are available are about 700 ppm or less (table 2). The highest dissolved-solids content probably is for an unnamed spring, (C-23-2)28dad; a dissolved-solids content of 700 ppm is estimated from a specific conductance measurement of 1,060 micromhos per centimeter. Water from another unnamed spring, (C-23-2)28ddd, only half a mile south of the above spring, has a dissolved-solids content of about 350 ppm estimated from a measured specific conductance of 544 micromhos per centimeter. As shown in the table below, the water from most of the springs for which chemical data are available contains less than 500 ppm of dissolved solids.

EXPLANATION (figure 13)



Available data (table 2) indicate that water from 14 of the springs was of the calcium bicarbonate type. Water from the unnamed spring, (C-23-2)28dad, was of the calcium sulfate or calcium magnesium sulfate type, from Spring Hill Springs was of the calcium magnesium bicarbonate type, and from Tidwell Spring was of the calcium sulfate bicarbonate type. Major chemical characteristics of some of the springs are shown by diagrams in plate 2. Neither dissolved-solids content nor water type shows an apparent relation to the magnitude of spring discharge. In general, the relatively high silica content, the low dissolved-solids content, and the calcium bicarbonate type of water are typical of drainage from volcanic rocks.

Southwest Area

The locations of 10 major springs and about 200 other springs of unknown magnitude and the

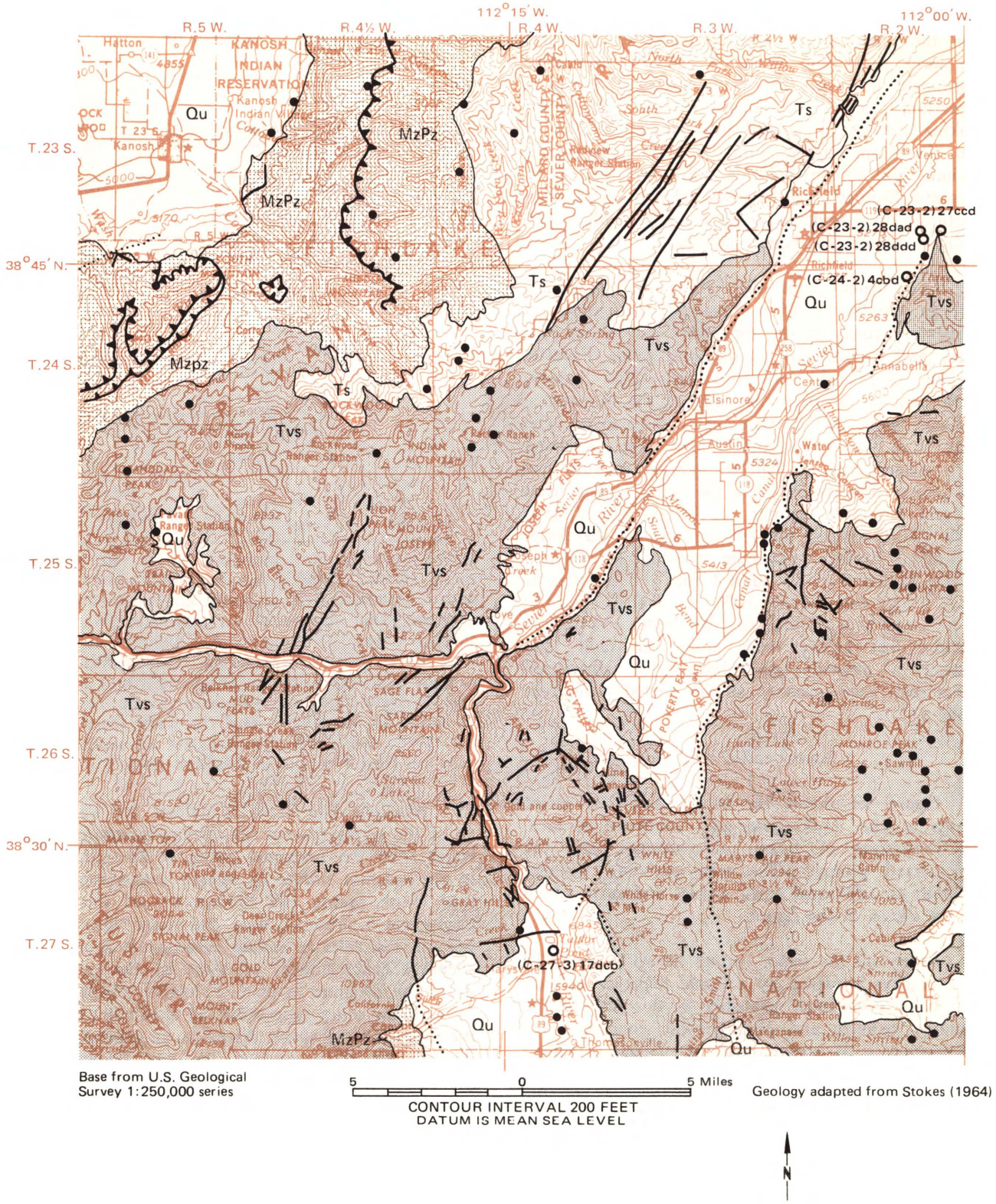


Figure 13. Map showing generalized geology of the south-central area (explanation on page 19).

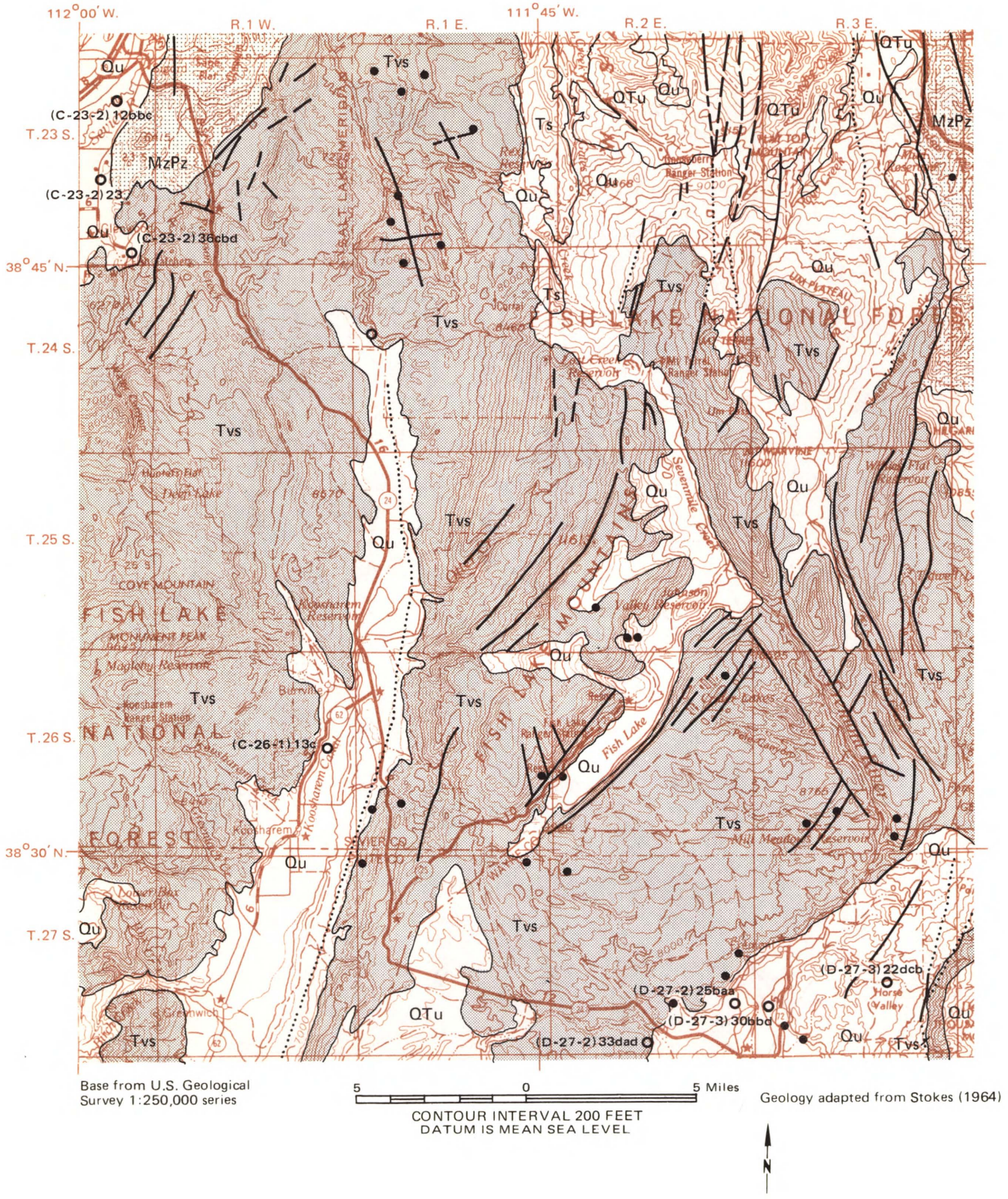


Figure 13. (continued)

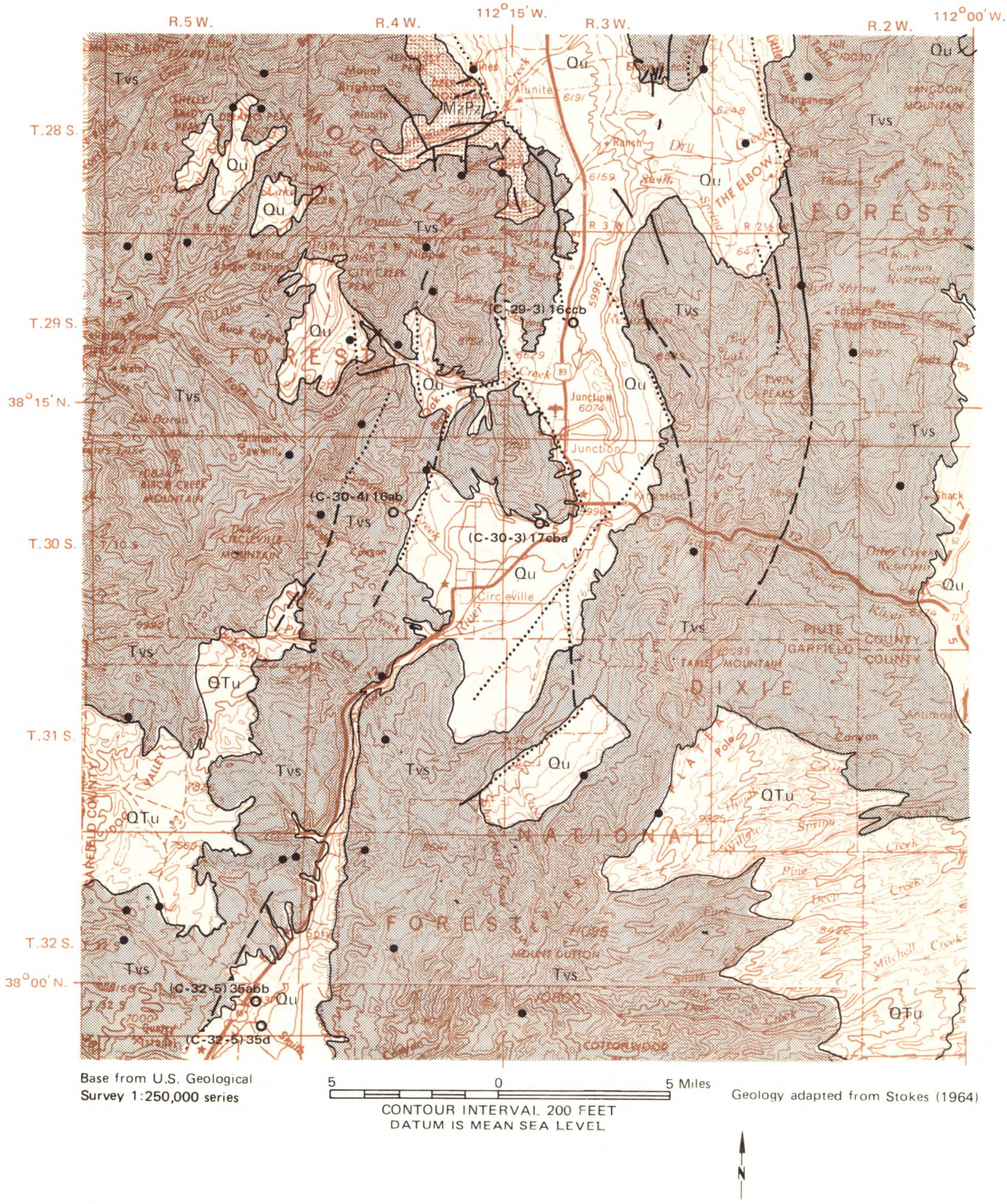


Figure 13. (continued)

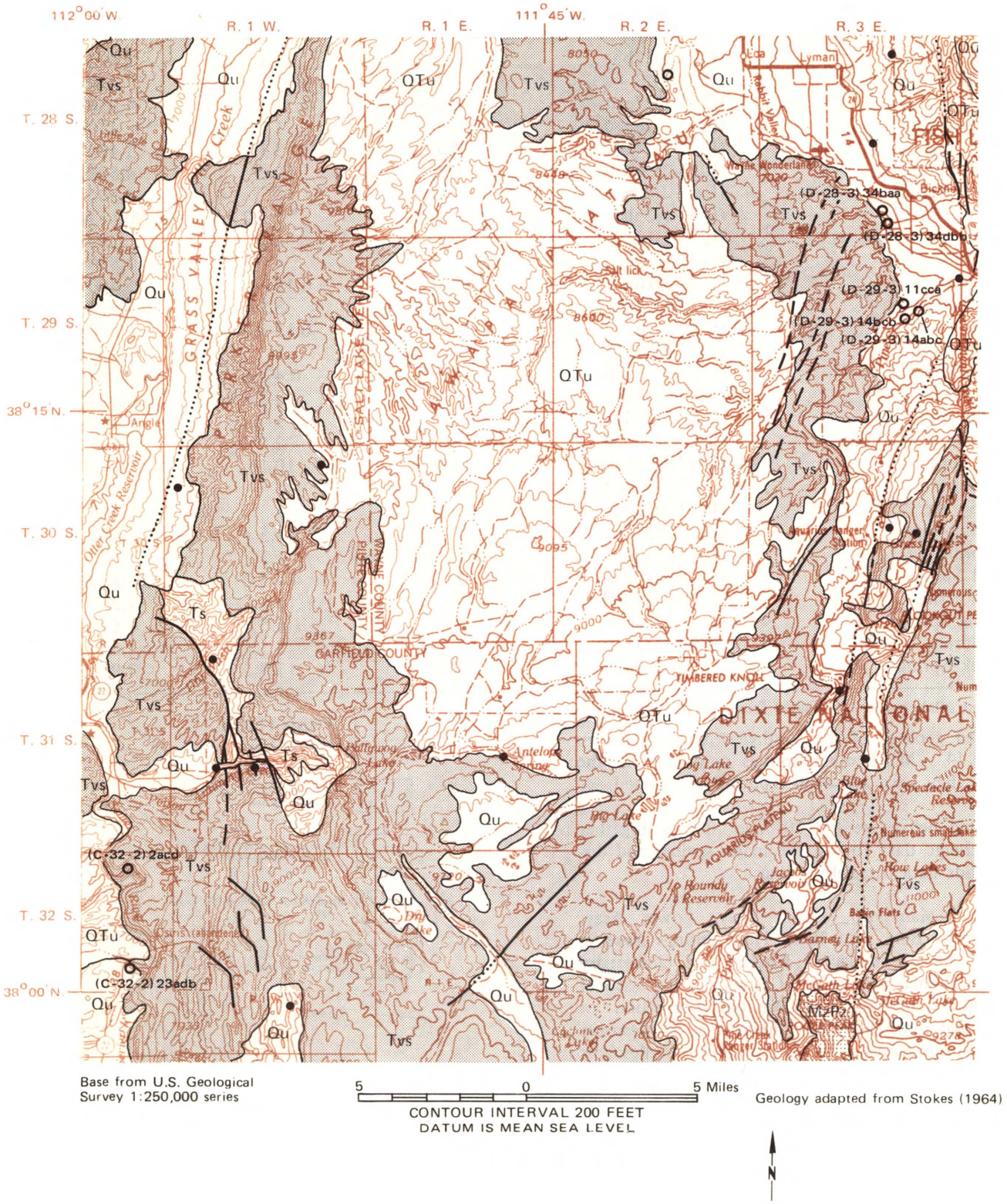


Figure 13. (continued)

Name and location		Approximate dissolved-solids content (ppm)	Discharge	
			Cfs	Gpm
Black Knoll Spring	(C-23-2)12bbc	–	11.1	5,000
Herrin's Hole Spring	(C-23-2)23	–	1	450
Cove Spring	(C-23-2)27ccd	340-370	10.3	4,650
Unnamed spring	(C-23-2)28dad	700[1]	1	450
Unnamed spring	(C-23-2)28ddd	350[1]	3.1	1,400
Glenwood Spring	(C-23-2)36cbd	180	10	4,500
Spring Hill Springs	(C-24-2)4cbd	490	10	4,500
Burr Springs	(C-25-1)26bc	120-145	2-3.2	900-1,440
Red Cedar Grove Springs	(C-26-1)13c	–	1.2	550
Taylor Pond Spring	(C-27-3)17dcb	–	4	1,800
Barnson Springs	(C-29-3)16ccb	280	12	5,400
Mitchell Slough	(C-30-3)17cba	290	8.1	3,670
Circleville Spring	(C-30-4)16ab	86	0.13-1.0	60-450
Unnamed spring	(C-32-2)2acd	260	1	450
Deer Creek Spring	(C-32-2)23adb	300	0.4-3.6	200-1,640
Marshall Slough	(C-32-5)35abb	350	3-3.6	1,350-1,640
Veater Slough	(C-32-5)35d	–	1	450
Little Lost Creek Spring	(D-24-1)18bcd	140	2.5	1,125
Fremont Spring	(D-27-2)25baa	200	10-16	4,500-7,300
West Spring	(D-27-2)33dad	–	1	450
Tidwell Spring	(D-27-3)22dcb	560	1	450
Unnamed spring	(D-27-3)30bbd	–	1.5	675
South Spring	(D-28-2)10bba	–	1.3	575
Dab Keel Spring	(D-28-3)34baa	120	4.4-8.0	1,980-3,600
Unnamed spring	(D-28-3)34dbd	–	3	1,350
Hugh King Spring	(D-29-3)11cca	–	1.5	675
Bullard Spring	(D-29-3)14abc	–	3	1,350
Pine Creek Spring	(D-29-3)14bcb	125	17.5	7,900

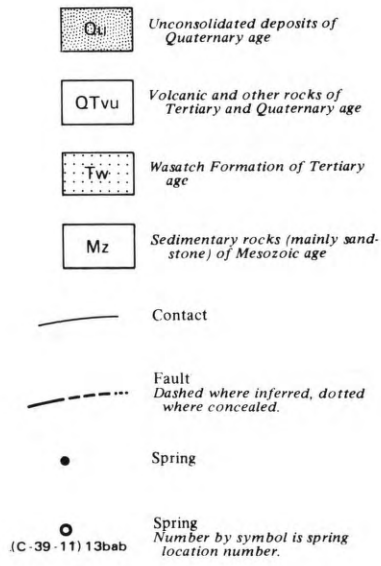
[1] Dissolved solids content estimated from specific conductance.

generalized geology of the southwest area are shown in figure 14. . Many other springs may issue in the area, but they have not been reported or mapped.

Listed below are the 10 major springs, together with discharge data for all the major springs and dissolved-solids data for eight springs:

Blue, Mammoth, Upper Asay, Lower Asay, Duck Creek, Blue, and Brian Head springs issue in areas of volcanic rocks of Tertiary and Quaternary age. East Branch Spring and Cascade Spring issue at the contact zone of the Wasatch Formation of Tertiary age and the underlying rocks of Mesozoic age. Big Spring issues in an area of rocks of Mesozoic age. Water from springs issuing in areas of volcanic rocks has dissolved-solids contents ranging from about 105 to 220 ppm and is generally of the calcium bicarbonate type. Water issuing from Big Spring, in an area of sedimentary rocks of Mesozoic age is similar in that is has a dissolved-solids content of about 180 ppm and is also of the calcium

EXPLANATION
(figure 14)



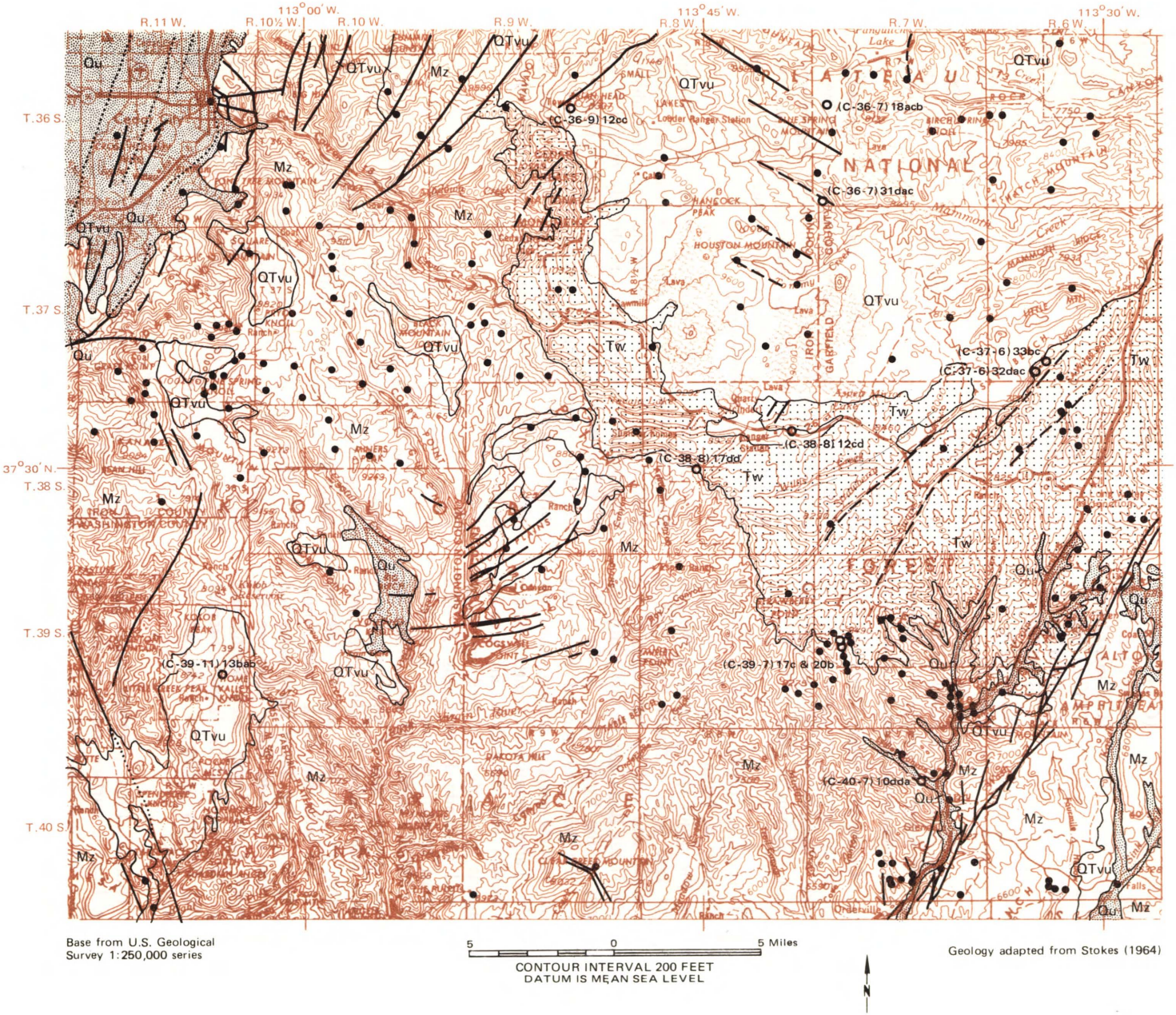


Figure 14. Map showing generalized geology of the southwest area (explanation on page 24).

Name and location		Approximate dissolved-solids content (ppm)	Discharge	
			Cfs	Gpm
Blue Springs	(C-36-7)18acb	135	10	4,500
Mammoth Spring	(C-36-7)31dac	105	1.8-314	810-141,000
Brian Head Spring	(C-36-9)12cc	–	2	900
Upper Asay Spring	(C-37-6)32dac	210-220	8	3,600
Lower Asay Spring	(C-37-6)33bc	150-220	28-35	12,600-15,800
Duck Creek Spring	(C-38-8)12cd	115-140	9.3-25	4,200-11,200
Cascade Spring	(C-38-8)17dd	100-160[1]	0-30	0-13,500
East Branch Spring	(C-39-7)17c and 20b	–	1	450
Blue Springs	(C-39-11)13bab	110	2	900
Big Spring	(C-40-7)10dda	180	0.9-1.1	400-500

[1] Estimated from specific conductance; chemical analysis is not in table 2.

bicarbonate type. Chemical characteristics of the waters from seven of the springs are given in table 2, and major chemical characteristics of some of the springs are shown by diagrams in plate 2.

Wilson and Thomas (1964) made a detailed study of the hydrology of Navajo Lake and its relation to several of the major springs listed in the preceding table. The lake is in a closed basin that is bounded on the north and east by tributaries of the Sevier River in the Great Basin and on the south and west by tributaries of the Virgin River in the Colorado River Basin. The lake was formed by a lava flow that cut off natural surface drainage into the Sevier River basin. Large quantities of surface water escape from its eastern end through a sink area by underground channels or aquifers to feed springs in both the Sevier and Colorado River basins. A dike separates the western three-fourths of the lake from the sink area and creates a permanent lake. When the dike is under water during parts of wet years, overflow from the west side reaches the sink area; also, some of the water in the lake can be released through the dike to the sink area. Duck Creek Spring and Lower Asay Spring in the Sevier River basin and Cascade Spring in the Colorado River Basin are fed in part from Navajo Lake. Upper Asay Spring and Mammoth Spring, which has had the largest observed discharge (314 cfs) for any spring in Utah, are independent of Navajo Lake.

Wilson and Thomas (1964, p. 22-24) state that Mammoth Spring lacks a surface reservoir such as Navajo Lake within its drainage area and that the flow is derived solely from ground water. The components of the spring hydrograph are stated to be (1) an annual maximum during May or June when snow is melting in the tributary area; (2) a gradual decrease in discharge through July to December; (3) sharp minor peaks in discharge, generally during the summer, caused by cloudburst storms in the tributary area; and (4) relatively constant minimum flow throughout the winter and until snow begins to melt during the following spring.

Detailed tests made by Wilson and Thomas during 1954 to 1955 showed that measured releases from Navajo Lake to the Navajo Sinks immediately downstream from the lake are directly related to the discharge of Cascade and Duck Creek springs. The test also showed that the discharge from Duck Creek Spring, which enters Duck Creek Sinks about 2.5 miles downstream from the spring, is directly related to the discharge from Lower Asay Spring.

Vernal Area

The Vernal area is shown in figure 15, which shows the generalized geology and the locations of several major springs and many other springs. The major springs are listed in the table below.

Most of the following descriptions of major springs in the Vernal area are from material furnished by James D. Maxwell and Bob L. Bridges of the U. S. Soil Conservation Service (written commun., 1969).

Big Brush Creek Spring, (D-2-21)24c, rises from the base of the Weber Sandstone on the northeast side of the channel in the Brush Creek Gorge approximately 3 miles upstream from State Highway 44. At the location of the spring, the gorge makes a small, sharp bend to the east and then swings back to the southeast; this bend is the result of a highly fractured zone near the axis of a small anticlinal

Name and location		Approximate dissolved-solids content (ppm)	Discharge	
			Cfs	Gpm
Big Brush Creek Spring	(D-2-21)24c	120	3-200	1,350-90,000
Campbell Spring	(D-2-22)31b	–	1-3	450- 1,350
Deep Creek Spring	(D-3-19)9a	90	3-15	1,350- 6,750
Ashley Creek Springs	(D-3-20)1bd	70-95	15-90	6,750-40,500
Dry Fork Spring	(D-3-20)5c	–	0-80	0-36,000
Fish Hatchery Spring	U(B-1-1)14ad	–	2-3	900- 1,350
Big Spring	U(B-2-2)5	–	6	2,700
Smokey Spring	U(B-3-2)19cd	–	2-5	900- 2,250
Pole Creek Spring	U(B-3-2)34d	–	2-25	900-11,250
Uriah Heap Spring	U(D-1-1)4bb	–	5-6	2,250- 2,700

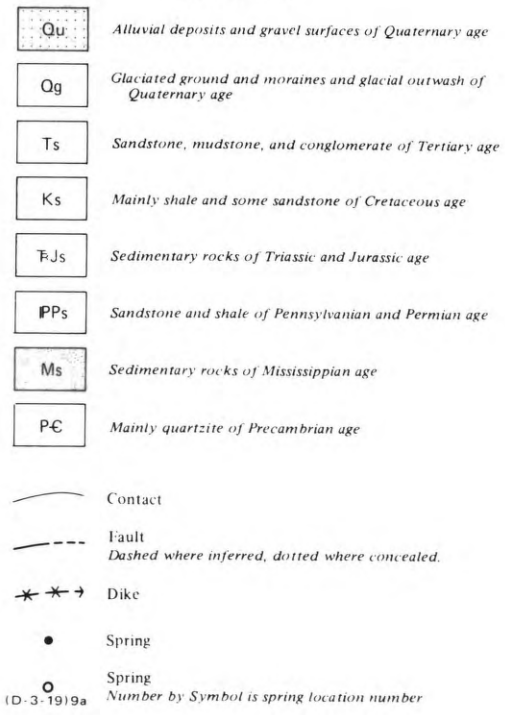
nose. The water rises vertically through the rock fractures near the axis of the anticlinal nose and surfaces in Big Brush Creek Spring. Estimated discharges of the spring have ranged from 3 to 200 cfs; estimated base flow is about 12 cfs. The water discharging from the springs originates mainly in the Big Brush Creek drainage basin; some of the water may be from Little Brush Creek and Ashley Creek drainage basins. Water that enters limestones of Mississippian age moves downdip through solution channels, brecciated zones, and small fractures. In the vicinity of the Big Brush Creek Spring, the rocks overlying these limestones are apparently fractured sufficiently to allow the confined water to escape to the surface. The dissolved-solids content of the water is about 120 ppm, and the water type is calcium bicarbonate.

Campbell Spring, (D-2-22)31b, is in Camp Canyon about 1 mile upstream from the junction of Camp Canyon and Big Brush Gorge and is about 10 miles north of Vernal. The spring issues from Weber Sandstone of Pennsylvanian and Permian age. Reported discharges have ranged from 1 to 3 cfs.

Deep Creek Spring, (D-3-19)9a, is about 10 miles northeast of Whiterocks and about 18 miles northwest of Vernal. The spring issues from the base of the Moenkopi Formation of Triassic age; the water moves through fissures and solution channels in limestones of Mississippian and Pennsylvanian age and rises to the surface along a fault. Reported discharges of the spring have ranged from about 3 to 15 cfs. Tests in 1956 showed that flow increased at Deep Creek Spring a few hours after water was diverted into Mosby Sink in the Dry Fork drainage area about 5 miles northwest of Deep Creek Spring. Dye tests have confirmed that this spring is connected to Mosby Sink in the Dry Fork drainage. On July 30, 1968, the dissolved-solids content of the spring water was 90 ppm, and the water type was calcium magnesium bicarbonate. At such low concentrations of calcium and magnesium (table 2), a change of 3 or 4 ppm in either ion can result in a change in water type that is not significant.

Ashley Creek Springs, (D-3-20)1bd, are about 12 miles northwest of Vernal. The springs rise in three separate areas: (1) a large flow rises through the alluvium on the east side of the Ashley Creek channel; (2) two smaller flows issue from the Weber Sandstone of Pennsylvanian and Permian age; and (3) several small springs and seeps rise in the channel bottom. Most of the water discharging from these springs originates in Dry Fork Canyon and moves to Ashley Creek through solution channels and fissures

EXPLANATION
(figure 15)



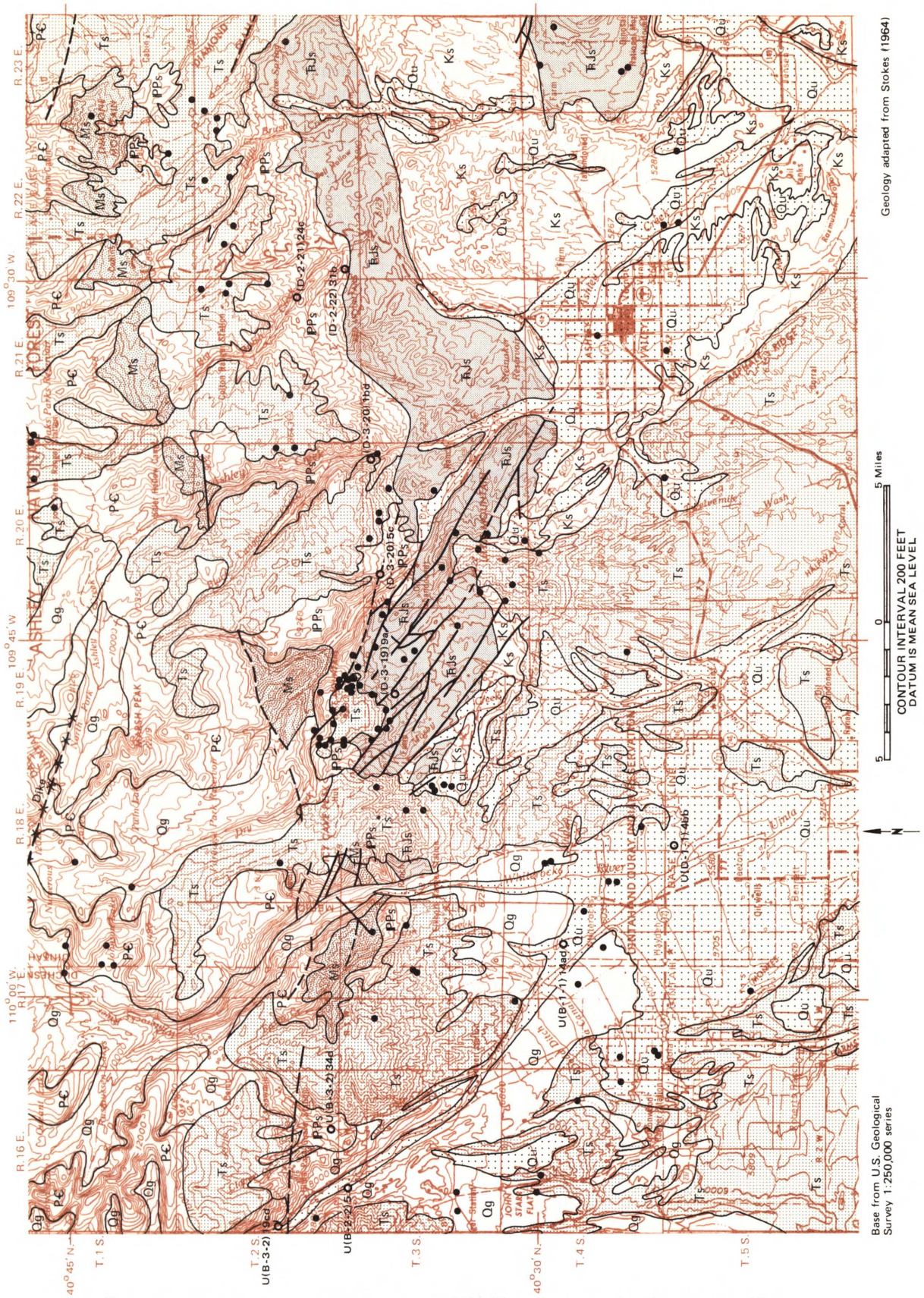


Figure 15. Map showing generalized geology of the Vernal area (explanation on page 27).

along a fault zone. The discharge of the springs generally ranges from about 15 to 80 cfs, but a discharge of as much as 90 cfs has been reported. Computed mean discharge during the 1944 water year was about 32 cfs and during the 1945 water year was about 29 cfs. At the beginning of the snowmelt period, the flow of the main spring is about 15 cfs; the flow increases to a maximum of approximately 80 cfs during a 10- to 30-day period. The rise in discharge of the spring coincides with the rise in discharge of surface streams. The flow gradually decreases during the remainder of the year except during periods of high precipitation. The dissolved-solids content of the water ranges from about 70 to 95 ppm; the water type is calcium bicarbonate or calcium magnesium bicarbonate.

Dry Fork Spring, (D-3-20)5c, is about 4 miles west of Ashley Creek Springs and about 14 miles northwest of Vernal. The spring issues from Weber Sandstone through coarse alluvium in the channel of Dry Fork. The water from the spring originates in the upper reaches of Dry Fork Canyon; water entering limestones of Mississippian age moves through solution channels and fissures to the spring area. The discharge of the spring ranges from 0 to about 80 cfs. Discharge from the spring occurs during the snowmelt period of spring and early summer; discharge usually begins a few days before the surface flow reaches the spring area and continues for several weeks after the surface flow stops.

Fish Hatchery Spring, U(B-1-1)14ad, issues from alluvial deposits of Quaternary age in the Uinta River valley about 2 miles northwest of Whiterocks and about 4 miles upstream from the junction of the Uinta and Whiterocks rivers. Discharge of the spring is 2 to 3 cfs.

Big Spring, U(B-2-2)5, is about 2 miles west-southwest of Pole Creek Spring. Big Spring issues from a glacial moraine adjacent to the west side of the Uinta River valley. Reported discharge is about 6 cfs.

Smokey Spring, U(B-3-2)19cd, issues from rocks of Precambrian age about 4 miles northwest of Pole Creek Spring. Discharge is 2 to 5 cfs.

Pole Creek Spring, U(B-3-2)34d, issues from limestones of Mississippian age along a fault zone about 12 miles northwest of Whiterocks and about 5 miles upstream from the junction of Pole Creek and the Uinta River. Reported observations and estimates indicate that the discharge of the spring ranges from about 2 to 25 cfs. The relation between Pole Creek Spring and Pole Creek Sink, which is about 2 miles upstream from the spring, was described by Donald M. Batty (written commun., 1965). At 10:30 a.m. on August 17, 1965, fluorescein dye was added to the water running into the sink. At 8:30 p.m. on August 18, the dye had not reached the spring; but by 6:30 a.m. on August 19, the dye was visible in the spring discharge. The dye was also visible in the discharge from Pole Creek Cave, which is about a quarter of a mile east of the spring. Thus, the dye appeared in both Pole Creek Spring and Pole Creek Cave between 34 and 44 hours after the dye was injected in the sink.

Uriah Heap Spring, U(D-1-1)4bb, issues from alluvial deposits of Quaternary age about 1 mile southeast of the junction of the Uinta and Whiterocks rivers. Reported discharge of the spring is 5 to 6 cfs.

Other Major Springs

This section of the report presents data for other springs that have had measured or estimated discharges of 1 cfs or more and that are not within the arbitrarily established areas previously described. Locations of the springs are shown in figure 5, and chemical-quality data for some of these springs are given in table 2.

Big (Sheep Creek) Spring, (A-2-19)16bb, issues at an altitude of about 7,000 feet along the north flank of the Uinta Mountains about 6 miles south of the Utah-Wyoming State line and about 6 miles west of Flaming Gorge Reservoir. The spring is near the contact of quartzite of Precambrian age and sedimentary rocks of Paleozoic age (Stokes, 1964). The measured discharge on May 24, 1967, was 36 cfs and on August 6, 1968, was 6.46 cfs. As for most large springs in Utah, the discharge varies seasonally; maximum discharge usually is during or immediately after the period of maximum snowmelt, and the discharge decreases gradually until the following snowmelt. In August 1968, the water had a dissolved-solids content of 166 ppm and was of the calcium bicarbonate type.

Jones Hole Spring, (D-3-25)1bdd, is about 1 mile north of the north boundary of Dinosaur National Monument and about half a mile west of the Utah-Colorado State line. The main source of the spring is solution cavities and fractures in limestones of Pennsylvanian age. Average discharge was about 37 cfs during 1950 to 1956. Dissolved-solids contents of samples obtained in 1965 and in 1968, the latter at a discharge of 36.9 cfs, were 180 and 168 ppm. The water was of the calcium magnesium bicarbonate type.

Hog Canyon Spring, (D-4-24)36bdc, is a few hundred feet south of the south boundary of Dinosaur National Monument and about 7 miles west of the Colorado-Utah State line. The spring issues from sandstone of Pennsylvanian and Permian age (Stokes, 1964). Observed discharges ranged from 0.04 to 2 cfs. At a discharge of 0.04 cfs on July 31, 1968, the dissolved-solids content was 200 ppm, and the water was of the magnesium calcium bicarbonate type.

Cub Creek Spring, (D-4-25)31cca, issues from sandstone of Pennsylvanian and Permian age (Stokes, 1964) about 1 mile southeast of Hog Canyon Spring. Reported discharges have ranged from 0.26 to 2 cfs. At a discharge of 0.26 cfs on July 31, 1968, the dissolved-solids content was 268 ppm, and the water was of the calcium magnesium bicarbonate type.

Adamson Spring, (C-1-2)19, issues from alluvium of Quaternary age at the northeast base of the Oquirrh Mountains. Reported discharge of the spring is 13.3 cfs (6,000 gpm).

Dunne's Pond Springs, (C-2-4)10bca, and Mill Pond Spring, (C-2-4)15cac, and two other springs, (C-2-5)26cdc and (C-2-5)33add, in the northern part of Tooele Valley were described as follows by Gates (1965, p. 26):

> The flow of the four large spring areas—Mill Pond Spring, Dunne's Pond Springs, and the sources of Fishing Creek and Sixmile Creek—apparently has also decreased since 1940 although the 1938-40 and 1962 estimates are not accurate enough to give the amount of the decrease. Most of the water from these springs is thought to rise along faults from artesian aquifers, and therefore, the general decline in artesian water levels since 1941 may have caused a decline in discharge.
>
> Measurements of the flow of Mill Pond Spring in 1962 and spot measurements of Dunne's Pond Springs in 1963, both by Kennecott Copper Corp., indicate that they discharge about 4,200 and 4,400 acre-feet per year, respectively. Their flows apparently fluctuate significantly, however, and these annual discharge figures are only estimates.

Dunne's Pond Springs, Mill Pond Spring, and the two springs at (C-2-5)26cdc and 33add discharged water of the sodium chloride type; and all issue through alluvium of Quaternary age in Tooele Valley. Water from all four springs has a fairly high dissolved-solids content (table 2). Gates (1965, p. 47 and 54) states that water from deep aquifers in a few places in Tooele Valley contains more dissolved solids than does the shallower water and that near Dunne's Pond Springs and between the heads of Fishing and Sixmile creeks ground water contains from 300 ppm to more than 5,000 ppm of chloride. Water in these areas has been contaminated by saline water rising from deep zones along faults. The water from the faults may be similar in chemical quality to that at depths below 1,600 feet; the source of the chloride in this water is not known, but it probably is connate water or from deposits of soluble material. Gates further states that the source of the high-chloride ground water near Fishing and Sixmile creeks must be local because the area is surrounded by ground water of better quality. He concludes that the high-chloride water from the springs that are the sources of Fishing and Sixmile creeks is from deep sources and probably discharges from the inferred Fishing Creek fault.

Clover Creek Spring, (C-5-6)32bba, has had reported discharges ranging from about 600 to 5,000 gpm (1.3 to 11 cfs). These springs, which are the source of Clover Creek and are about 20 miles southwest of Tooele, issue at the contact of the Manning Canyon Shale and the Great Blue Limestone of late Paleozoic age. Dissolved-solids content of the spring water ranges from about 205 to 225 ppm, and the water is calcium bicarbonate in type.

Fairfield Spring, (C-6-2)29ccc, at the west edge of Fairfield, has had observed discharges ranging from about 1.1 to 6 cfs. The water, which has a dissolved-solids content of about 250 ppm and which is of the calcium bicarbonate type, is developed for municipal and irrigation use. Feltis (1967, p. 17) describes the spring as follows: "It discharges water that is derived from precipitation on the Oquirrh Mountains. The permeable coarse-grained aquifers at the head of the alluvial fans of Manning and Pole canyons readily transmit the water; but increasingly finer grained deposits toward the toe of the fan and in the lake beds in the center of the basin retard the flow, forcing some of the water to the surface. This discharges at the spring, which is at the break in slope of the alluvial fan with the valley floor."

Indian Springs (C-10-8)3ab, issues from sedimentary rocks of Paleozoic age at an altitude of about 6,700 feet about 16 miles south of Dugway. The estimated discharge of the springs on September 15, 1965, was relatively large – about 2,000 gpm (4.4 cfs). Data obtained in 1964 and 1965 show that the dissolved-solids content of the spring water is less than 300 ppm (table 2), and that the water is of the calcium bicarbonate type.

Wah Wah Springs, (C-27-15)10a, issues near the contact between colluvium and alluvium of Quaternary age and undifferentiated deposits of Tertiary and Quaternary age along the eastern base of the Wah Wah Mountains. The main spring issues from a travertine cone immediately downslope from a lime-

stone outcrop. The discharge of this spring is about 450 gpm (1 cfs), and the water is of the calcium bicarbonate type.

Clear Lake Springs, (C-20-7)10a, discharge from basalt of late Pliocene or early Pleistocene age about 18 miles northwest of Fillmore and are unique in the area because of their large discharge (Mower, 1967, p. 9). All other springs in the basalt discharge only a few gallons per minute. During 1959 to 1965, the discharge ranged from 13.3 to 25.1 cfs. The annual maximum discharge was in April or May, and the annual minimum discharge was in September or October. The dissolved-solids content of the water from Clear Lake Springs ranged from 2,090 to 2,460 ppm. The water was of the sodium chloride type.

Colton Spring, (D-11-8)27dad, is part of an area of ground-water discharge in and near the channel of

Name and location		Approximate dissolved-solids content (ppm)	Discharge	
			Cfs	Gpm
Delle Ranch Spring	(C-3-7)7	–	2.2	990
Chokecherry Spring	(C-3-7)29bcb	230	1.0	450
Deseret Livestock Co. South Spring	(C-3-8)10ccc	5,980	1-4	450-1,800
Unnamed spring	(C-4-19)4 and 5	8,110[1]	11.0	4,950
Orr's Ranch Spring	(C-6-8)15	–	1.0	450
Goshen Town Spring	(C-10-1)36dcb	950-1,020	1.1	500
Unnamed spring	(C-11-19)19caa	–	6.0	2,700
Unnamed spring	(C-14-18)33	–	1.1	500
Foote Reservoir Springs	(C-16-18)16dad[2]	–	3.0	1,350
Twin Springs	(C-16-18)16,22, and 27[2]	–	4.0	1,800
Redmond Lake Spring	(C-21-1)11a	565	13.3	6,000
Unnamed spring	(C-24-20)2	–	2.0	900
Tom Best Spring	(C-34-3)27ddc	245	1.1	500
Panguitch Springs	(C-34-6)18c	120-130	1.0	450
Red Canyon Spring	(C-35-4½)19cbc	–	1.0	450
Myers Springs	(C-35-5)25ab	–	1.0	450
Unnamed spring	(C-37-3)5	–	1.2	550
Upper Ash Creek Springs	(C-40-13)35acd	475	8-22	3,600-9,900
Lower Ash Creek Springs	(C-41-13)11cad	545	5.9	2,660
Warm Spring	(C-42-15)14bbb	320[1]	1.3	585
Green Spring	(C-42-15)15bba	1,300[1]	1.2	540
West City Spring	(C-42-16)13ccc	–	1.8	810
Fugal Springs	(D-6-2)4c and 9b	–	1.9	850
Unnamed spring	(D-6-2)24d	–	1.7	765
Unnamed spring	(D-6-2)36a	–	3.6	1,620
Smith Spring	(D-6-3)3 and 4	–	2.0	900
Unnamed spring	(D-6-3)19cc	–	6.0	2,700
Davis Spring	(D-6-3)28d	–	1.5	675
Santaquin City Springs	(D-10-1)13dcd and 24aa, (D-10-2)19bbc and 32aab	–	0.8-1.2	360-540
Birch Creek Springs	(D-14-2)23bda	–	1.0	450
Lower Spring Creek Springs	(D-14-4)11ad	–	4.2	1,900
Freedom Spring	(D-15-2)2ada	275	1.0	450
Snake Springs	(D-15-4)8bb	–	0.8-2.1	360-950
Coal Fork Spring	(D-15-5)22bbb	320	1.1	500
Mickelson Spring	(D-20-1)25aad	610	1.1	500
Escalante No. 2 Spring	(D-35-3)9ccc	640	1.0	450

[1] Estimated from specific conductance; chemical analysis is not in table 2.

[2] Part of Bishop Spring area.

the Price River immediately upstream from its junction with the White River. The main spring is developed and the discharge is piped about 20 miles southeast to Price, where the water is the major source of culinary supply. Cordova (1964, p. 18) states: "Faults may have caused the localization of the Colton Spring locale and several other seepage areas. . . The, Forge Mountain fault passes through the Colton Spring locale. . . If the fault zone is impermeable, ground water in the Flagstaff Limestone may be shunted upward to discharge at the surface... Because the Colton Spring discharges close to the contact of the Flagstaff Limestone and the overlying, relatively impermeable Colton Formation, the ground water reaching the Colton Spring locale may be forced to the surface at the formation contact. A third possibility is that the water may be flowing in a solution channel that is near the top of the Flagstaff Limestone and consequently has been breached by the erosional processes that formed the river valley." Average discharge of the Colton Spring locale during 1957 to 1962 ranged from about 750 gpm during 1961 to about 1,300 gpm during 1957; minimum discharge during the period probably was less than 500 gpm, and maximum discharge was greater than 2,500 gpm. A chemical analysis indicates that the dissolved-solids content is about 280 ppm, and that the water is of the calcium bicarbonate type.

Some other springs in Utah that have discharges of about 1 cfs (450 gpm) or greater are listed in the preceding table. The locations of the springs are shown in figure 5, and chemical analyses for springs for which dissolved-solids contents are shown are given in table 2.

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APPENDIX

Table 1. Names and locations of known and reported springs in Utah.

SPRING LOCATION		SPRING NAME
(A- 1-24) 9BA		
(A- 1-24) 9DC		
(A- 1-24)18BA, BD		
(A- 1-24)20DB		
(A- 1-24)21AB		
(A- 1-24)23CC		
(A- 1-24)26CC		SEARS SPRING
(A- 1-24)28BD		
(A- 1-24)28DB		
(A- 1-25)10AD		
(A- 1-25)16AD		
(A- 1-25)28AD		
(A- 1-25)32AC		
(A- 1-25)32DA		
(A- 2- 1)17BC		SAND POINT SPRING
(A- 2- 1)17CA		BENCH SPRING
(A- 2- 1)18AA		RED PINE SPRING
(A- 2- 1)18DC		
(A- 2- 1)20AA		LOWER BIG TOM HOLLOW SPRING
(A- 2- 1)21CD		BIRCH SPRING
(A- 2- 1)21DB		RAT SPRING
(A- 2- 1)21DD		CUCH SPRING
(A- 2- 1)28AA		MURRAY SPRING
(A- 2- 1)34CD		
(A- 2- 2) 1BD		
(A- 2- 2) 9BA		
(A- 2- 2)10AC		
(A- 2- 2)16DD		
(A- 2- 2)31CB		
(A- 2- 2)36CC		
(A- 2- 3) 1AB		
(A- 2- 3) 1AC		DIXIE SPRING
(A- 2- 3) 1D	(E)	TOM PORTER SPRINGS
(A- 2- 3)12AB		
(A- 2- 3)13BA		
(A- 2- 3)13CC		
(A- 2- 3)21BC		
(A- 2- 3)27DA		
(A- 2- 3)33DD		
(A- 2- 3)35AA		
(A- 2- 3)35CC & D		
(A- 2- 4) 5B		
(A- 2- 4) 7DD		
(A- 2- 4)19BA		
(A- 2- 4)19DA		CLARK SPRING
(A- 2- 4)20DC		
(A- 2- 5) 4		
(A- 2- 5) 7		
(A- 2- 5) 9		
(A- 2- 5)10		
(A- 2- 5)11		
(A- 2- 5)13		
(A- 2- 5)14		
(A- 2- 5)16		
(A- 2- 5)21		
(A- 2- 5)32		
(A- 2- 7) 3		
(A- 2- 7) 5		
(A- 1- 1) 5BD		ENOCH SPRING
(A- 1- 1) 5DB		
(A- 1- 1) 8BB		BASKIN SPRING
(A- 1- 1)14BA		
(A- 1- 1)14BB		
(A- 1- 2) 1D	(E)	
(A- 1- 2) 7DC		
(A- 1- 2)12CB	(E)	
(A- 1- 2)13CB	(E)	
(A- 1- 2)13DD		
(A- 1- 2)23AA		BIRCH SPRING
(A- 1- 2)24DB		
(A- 1- 2)27CA		HENDERSON SPRING
(A- 1- 2)31CD		
(A- 1- 2)35AD		
(A- 1- 3) 4BB		
(A- 1- 3) 5AD		
(A- 1- 3)10CB		
(A- 1- 3)11BA		
(A- 1- 3)14AD		
(A- 1- 3)24AD		

SPRING LOCATION		SPRING NAME
(A- 1- 3)28DA		
(A- 1- 3)28DD		
(A- 1- 3)34CB		
(A- 1- 3)35BD		
(A- 1- 4) 9DA		
(A- 1- 5) 9		
(A- 1- 5)11		
(A- 1- 5)12		
(A- 1- 5)13		
(A- 1- 5)15		
(A- 1- 5)23		
(A- 1- 5)30		
(A- 1- 5)31		
(A- 1- 5)33		
(A- 1- 6)18		
(A- 1- 6)19		
(A- 1- 7)19		
(A- 1- 7)29		
(A- 1- 7)32		
(A- 1- 7)36		
(A- 1- 8) 6		
(A- 1- 8)26		
(A- 1- 8)29		
(A- 1- 8)36		
(A- 1-10)10		
(A- 1-19) 9	(E)	YOUNG'S SPRING
(A- 1-19)26	(E)	
(A- 1-24) 5BA		
(A- 1-24) 8DA		
(A- 2- 8) 4		
(A- 2-10) 9		
(A- 2-10)10		
(A- 2-12) 5		
(A- 2-12)22		
(A- 2-18)35B	(E)	
(A- 2-19)16BB		BIG SPRINGS
(A- 2-19)16BC		
(A- 2-19)23CA		
(A- 2-19)26DA		SUMMIT SPRING
(A- 2-19)27AC		
(A- 2-19)29AC		DOWD SPRING
(A- 2-19)29BC		
(A- 2-19)30DA		
(A- 2-19)31DD		
(A- 2-19)34DD		LOST SPRING
(A- 2-19)36AC		SCRAPER SPRING
(A- 2-22) 1BB		DUTCH JOHN SPRING
(A- 2-22) 2CC		
(A- 2-22) 3BC		
(A- 2-22) 6AA		JARVIE SPRING
(A- 2-22)16CB		CEDAR SPRING
(A- 2-23) 8BC		DRIPPING SPRING
(A- 2-23)15AD		MANNS SPRING
(A- 2-23)21DD		
(A- 2-24)35CA		SPITZENBERG SPRING
(A- 3- 1)32DCC	(E)	ICE CAVE SPRING
(A- 3- 1)33B	(E)	
(A- 3- 1)35CD		
(A- 3- 2) 1BA		
(A- 3- 3) 5BB		
(A- 3- 3) 9AB		
(A- 3- 3) 9DD		
(A- 3- 3)10AA		
(A- 3- 3)10DB		
(A- 3- 3)11AD		
(A- 3- 3)19BB		
(A- 3- 3)22DC		
(A- 3- 3)25CA		
(A- 3- 3)27D		
(A- 3- 3)33AC		
(A- 3- 3)36DD		DIXIE HOLLOW SPRINGS
(A- 3- 4) 2BC		
(A- 3- 4) 3AA		
(A- 3- 4) 3CA		
(A- 3- 4) 5CC		
(A- 3- 4) 8CD & 17AB		
(A- 3- 4) 8DC		
(A- 3- 4)11CB		
(A- 3- 4)19CA		JACK BEARD SPRING

Table 1. continued

SPRING LOCATION	SPRING NAME
(A- 3- 4)19DD	
(A- 3- 4)20BA	
(A- 3- 4)31AC	
(A- 3- 4)31CB	
(A- 3- 5) 5CD	
(A- 3- 5)18	
(A- 3- 6)10	
(A- 3- 6)23	
(A- 3- 6)26	
(A- 3- 6)34	
(A- 3- 7) 7	
(A- 3- 7)22	
(A- 3- 7)26	
(A- 3- 8)32	
(A- 3- 9)30	
(A- 3-10)21	
(A- 3-18)14CC	
(A- 3-18)23CA	
(A- 3-18)24CC	
(A- 3-19)22DC	BIRCH SPRING
(A- 3-22)14DC	GRINDSTONE SPRING
(A- 3-22)24AD	EAST GRINDSTONE SPRING
(A- 3-22)36CD	
(A- 3-23)21DC	FORD SPRING
(A- 3-23)23DC	
(A- 3-23)32DB	COW SPRING
(A- 3-23)34DA & DB	BIG SPRINGS
(A- 3-24)35CD	
(A- 4- 2) 2BA	
(A- 4- 2)10CB	
(A- 4- 2)14AC	
(A- 4- 2)25DD	
(A- 4- 3) 1CD	OAK SPRING
(A- 4- 3) 4AC	
(A- 4- 3) 4CC	
(A- 4- 3) 6DA	
(A- 4- 3)11AA	
(A- 4- 3)11AD	
(A- 4- 3)12AA	
(A- 4- 3)12CA	
(A- 4- 3)12CB	
(A- 4- 3)12CC	
(A- 4- 3)12DC	
(A- 4- 3)13AB	
(A- 4- 3)13AD	
(A- 4- 3)31CAB	COMO WARM SPRINGS
(A- 4- 4) 1CD	
(A- 4- 4) 2CC	
(A- 4- 4) 8BD	FOLLEY SPRING
(A- 4- 4) 8CC	
(A- 4- 4)11AB	
(A- 4- 4)14AA	
(A- 4- 4)14DA	
(A- 4- 4)15DA	
(A- 4- 4)18DB	
(A- 4- 4)24BA & BD	
(A- 4- 4)25BB	
(A- 4- 4)25DD	
(A- 4- 4)31AD	
(A- 4- 4)31BC	
(A- 4- 4)35AB	
(A- 4- 4)35DD	
(A- 4- 5) 4CD	
(A- 4- 5) 5BA & BB	
(A- 4- 5) 8CD	
(A- 4- 5) 9AB	
(A- 4- 5) 9CD	
(A- 4- 5)10BC	
(A- 4- 5)16DB	
(A- 4- 5)17AC	
(A- 4- 5)18AB	
(A- 4- 5)19CA	
(A- 4- 5)28AA	
(A- 4- 5)29BA	
(A- 4- 7) 2	
(A- 4- 7)11	
(A- 5- 1)31BC	
(A- 5- 3)33CD	
(A- 5- 4) 3CC	
(A- 5- 4) 3DA	
(A- 5- 4)15DC	
(A- 5- 4)32DB	
(A- 5- 5) 1AB	
(A- 5- 5) 3DD	
(A- 5- 5) 8BC	
(A- 5- 5)22AC	YELLOW JACKET SPRING
(A- 5- 5)26CC	
(A- 5- 5)27CC	
(A- 5- 5)27DA	
(A- 5- 5)35AA	
(A- 5- 5)35BC	
(A- 5- 6) 3DC	
(A- 5- 6) 4AA	
(A- 5- 6) 6DC	
(A- 5- 6) 6DD	
(A- 5- 6) 7ADD	
(A- 5- 6) 8CA	
(A- 5- 6)10AB	
(A- 5- 6)10CC	
(A- 5- 6)15CD	
(A- 5- 6)17DD	
(A- 5- 6)18BB	
(A- 5- 6)19BA	
(A- 5- 6)19BD	
(A- 5- 6)19DA	
(A- 5- 6)20AD	
(A- 5- 6)21AC	
(A- 5- 6)21BA	
(A- 5- 6)21BC	
(A- 5- 6)22BC	
(A- 5- 6)27	
(A- 5- 6)29BA	
(A- 5- 6)34AB	
(A- 5- 7) 7	
(A- 5- 7) 8	
(A- 5- 7)26	
(A- 5- 7)34	
(A- 6- 1) 3AC	
(A- 6- 2)10CC & CD	
(A- 6- 3) 3BB	
(A- 6- 3) 5AC	
(A- 6- 3)13CDC	
(A- 6- 3)18AB	
(A- 6- 4)15DD	
(A- 6- 4)21AD	
(A- 6- 4)22CD	
(A- 6- 4)23CD	
(A- 6- 4)24AA	
(A- 6- 4)25C	
(A- 6- 4)28DA	
(A- 6- 4)33AA & 34BB	
(A- 6- 5)18CC	
(A- 6- 5)20BC	
(A- 6- 5)20DB	
(A- 6- 5)36CD	
(A- 6- 6)20CC	
(A- 6- 6)21CB	
(A- 6- 6)22BC	
(A- 6- 6)27CA	
(A- 6- 6)28CD & DC	
(A- 6- 6)33AC	
(A- 6- 6)34BC	
(A- 6- 6)34BD	
(A- 6- 7) 4	
(A- 6- 7) 9	
(A- 6- 7)13	
(A- 6- 7)14	
(A- 6- 7)21	
(A- 6- 7)25	
(A- 6- 7)26	
(A- 6- 7)34	
(A- 6- 7)36	
(A- 7- 1)19BB	
(A- 7- 1)20BC	
(A- 7- 1)20BD	
(A- 7- 1)21CD	
(A- 7- 1)22CA	PATIO SPRING
(A- 7- 1)28BA	
(A- 7- 1)28DB	
(A- 7- 2)23AC	
(A- 7- 2)24DD	
(A- 7- 3) 2CB	
(A- 7- 3) 4AB & BA	
(A- 7- 3)14DD	
(A- 7- 3)18DA	
(A- 7- 3)23AC	CAUSEY SPRING
(A- 7- 3)25DD	
(A- 7- 3)26BA	
(A- 7- 3)30AB	
(A- 7- 4) 5AA	

Table 1. continued

SPRING LOCATION	SPRING NAME
(A- 7- 4) 5BA	BULL BELL SPRING
(A- 7- 4)17CB	
(A- 7- 4)18C	
(A- 7- 4)29BB	
(A- 7- 5) 4	
(A- 7- 6) 1	
(A- 7- 6) 2	
(A- 7- 6) 8	
(A- 7- 6)13	
(A- 7- 6)14	
(A- 7- 6)18	
(A- 7- 6)22	
(A- 7- 6)26	
(A- 7- 6)35	
(A- 7- 7) 1	
(A- 7- 7) 5	
(A- 7- 7) 9	
(A- 7- 7)23	
(A- 7- 7)25	
(A- 7- 7)31	
(A- 7- 7)33	
(A- 7- 8)21	
(A- 8- 1)15AB	
(A- 8- 1)23BC	
(A- 8- 1)29AC	
(A- 8- 2) 7CD	
(A- 8- 3) 2DD	
(A- 8- 3)12AD	
(A- 8- 3)12BA	
(A- 8- 3)12DC	
(A- 8- 3)22CD	
(A- 8- 3)28CC	
(A- 8- 3)33BB	
(A- 8- 3)34CA	LIMESTONE SPRING
(A- 8- 3)36BB	
(A- 8- 3)36CA	
(A- 8- 4) 6CA	
(A- 8- 4) 7AC	LEWIS SPRING
(A- 8- 4) 8BA	BULLWACKER SPRING
(A- 8- 4) 8DB	
(A- 8- 4) 9	
(A- 8- 4)17AC	HARRIETS SPRING
(A- 8- 4)19	
(A- 8- 4)20BC	
(A- 8- 4)20DB	
(A- 8- 5) 3	
(A- 8- 5) 4	
(A- 8- 5) 5	
(A- 8- 5) 6	
(A- 8- 5) 8	
(A- 8- 5) 9	
(A- 8- 5)10	
(A- 8- 5)12	
(A- 8- 5)14	
(A- 8- 5)15	
(A- 8- 5)21	
(A- 8- 5)23	
(A- 8- 5)24	
(A- 8- 5)26	
(A- 8- 5)27	
(A- 8- 5)28	
(A- 8- 5)33	
(A- 8- 5)34	
(A- 8- 6) 7	
(A- 8- 6)18	
(A- 8- 6)19	
(A- 8- 6)23	
(A- 8- 6)25	
(A- 8- 7) 6	
(A- 8- 7) 7	
(A- 8- 8)32	
(A- 9- 1) 5DB	
(A- 9- 1)29AB	
(A- 9- 1)34BB	PETS SPRING
(A- 9- 2) 3	
(A- 9- 2) 4	
(A- 9- 2) 5	
(A- 9- 2) 7	
(A- 9- 2) 8	
(A- 9- 2)10	
(A- 9- 2)11	
(A- 9- 2)13	
(A- 9- 2)17BC	
(A- 9- 2)18AB	
(A- 9- 2)24	
(A- 9- 2)36	
(A- 9- 3)20	
(A- 9- 3)25BA	
(A- 9- 3)27CD	
(A- 9- 3)28	
(A- 9- 3)29AA	
(A- 9- 3)30	
(A- 9- 3)31	
(A- 9- 3)33AB	
(A- 9- 3)33AC	
(A- 9- 3)34	
(A- 9- 3)36BC	
(A- 9- 4) 1	
(A- 9- 4)12	LITTLE CRAWFORD SPRING
(A- 9- 4)22	
(A- 9- 4)24	
(A- 9- 4)27	
(A- 9- 4)28	
(A- 9- 4)29DC	
(A- 9- 4)31AD	
(A- 9- 4)32DA	INDIAN SPRING
(A- 9- 4)33	
(A- 9- 4)34	
(A- 9- 4)35	
(A- 9- 5) 1	
(A- 9- 5) 2	
(A- 9- 5) 3	
(A- 9- 5) 4	
(A- 9- 5) 5	
(A- 9- 5) 8	
(A- 9- 5) 9	
(A- 9- 5)11	
(A- 9- 5)16	
(A- 9- 5)17	
(A- 9- 5)18	
(A- 9- 5)20	
(A- 9- 5)23	
(A- 9- 5)26	
(A- 9- 5)27	
(A- 9- 5)28	
(A- 9- 5)29	
(A- 9- 5)30	
(A- 9- 5)31	
(A- 9- 5)32	
(A- 9- 5)33	
(A- 9- 5)34	
(A- 9- 6)13	
(A- 9- 6)20	
(A- 9- 6)22	
(A- 9- 7)30	
(A- 9- 7)31	
(A-10- 2) 4	
(A-10- 2) 9	
(A-10- 2)12	
(A-10- 2)27	
(A-10- 2)29ACD	PARADISE SPRING
(A-10- 2)35	
(A-10- 2)36	
(A-10- 4) 1	
(A-10- 5) 1	
(A-10- 5) 4	
(A-10- 5) 8	
(A-10- 5)10	
(A-10- 5)16	
(A-10- 5)17	
(A-10- 5)20	
(A-10- 5)24	
(A-10- 5)26	
(A-10- 5)28	
(A-10- 5)33	
(A-10- 5)35	
(A-10- 6) 1	
(A-10- 6) 4	
(A-10- 6) 5	
(A-10- 6) 6	
(A-10- 6)21	
(A-10- 8) 8	
(A-10- 8)18	
(A-11- 1)10CCD	LITTLE BALLARD SPRING
(A-11- 1)14C	
(A-11- 1)15BBC	BIG BALLARD SPRING
(A-11- 1)17B	
(A-11- 1)18A, B, & C	
(A-11- 1)18BDD	SPRING CREEK SPRING NO. 2
(A-11- 1)23CDA	GARR SPRING
(A-11- 2) 6	

Table 1. continued

SPRING LOCATION	SPRING NAME
(A-11- 2)16	
(A-11- 2)18ACD	PROVIDENCE CITY SPRING
(A-11- 2)30CC	
(A-11- 3)14	
(A-11- 4) 2	
(A-11- 4) 3	
(A-11- 5) 1	
(A-11- 5) 2	
(A-11- 5) 3	
(A-11- 5) 5	
(A-11- 5) 6	
(A-11- 5) 8	
(A-11- 5) 9	
(A-11- 5)12	
(A-11- 5)16	
(A-11- 5)17	
(A-11- 5)18	
(A-11- 5)19	
(A-11- 5)21	
(A-11- 5)24	
(A-11- 5)25	
(A-11- 5)28	
(A-11- 5)29	
(A-11- 5)30	
(A-11- 5)31	
(A-11- 5)34	
(A-11- 6) 9	
(A-11- 6)11	
(A-11- 6)12	
(A-11- 6)20	
(A-11- 6)21	
(A-11- 6)23	
(A-11- 6)24	
(A-11- 6)28	
(A-11- 6)30	
(A-11- 6)31	
(A-11- 6)36	
(A-11- 7) 7	
(A-11- 7)13	
(A-11- 8) 7	
(A-11- 8)19	
(A-12- 1) 4BAB	CHAMBERS SPRING
(A-12- 1)29CAC	TREE SPRINGS
(A-12- 1)29CC	JENSEN SPRING
(A-12- 1)29CD	BLANCHARD SPRING
(A-12- 2) 4	
(A-12- 2) 5	
(A-12- 2) 6	
(A-12- 2) 8	
(A-12- 2)13	
(A-12- 2)16	
(A-12- 2)17	
(A-12- 2)22DC	DEWITT SPRING
(A-12- 2)23	
(A-12- 2)27C	
(A-12- 2)28	
(A-12- 3)18	
(A-12- 5) 1	
(A-12- 5) 4	
(A-12- 5)26	
(A-12- 5)27	
(A-12- 6) 4	
(A-12- 6) 6	
(A-12- 6)12	
(A-12- 6)13	
(A-12- 6)16	
(A-12- 6)19	
(A-12- 7)12	
(A-12- 7)27	
(A-12- 7)31	
(A-12- 7)32	
(A-12- 7)33	
(A-13- 1) 5CB	
(A-13- 1) 9BC	
(A-13- 1) 9CC	
(A-13- 1)10AD	
(A-13- 1)12AA	
(A-13- 1)12DD	
(A-13- 1)32ADC	HOPKINS SLOUGH
(A-13- 2) 8	
(A-13- 2)19	
(A-13- 2)21	
(A-13- 2)31	
(A-13- 3)27AD	RICKS SPRING
(A-13- 4) 1	
(A-13- 5)17	
(A-13- 5)18	
(A-13- 5)19	
(A-13- 5)21	
(A-13- 5)31	
(A-13- 6) 3	
(A-13- 6)10	
(A-13- 6)14	
(A-13- 6)24	
(A-13- 6)26	
(A-13- 6)28	
(A-13- 6)29	
(A-13- 6)30A	FALULA SPRING
(A-13- 6)33	
(A-13- 7) 3	
(A-13- 7) 5	
(A-13- 7)11	
(A-13- 7)13	
(A-13- 7)14	
(A-13- 7)19	
(A-13- 7)26	
(A-13- 7)32	
(A-13- 8) 5	
(A-14- 1)26B	
(A-14- 1)26CCC	ROBINSON SPRING
(A-14- 1)33AB	
(A-14- 1)36AD	
(A-14- 2) 7	
(A-14- 2) 8	
(A-14- 2)29	
(A-14- 2)30BBA	CHERRY CREEK SPRING
(A-14- 2)31BC	
(A-14- 2)31CC	BALANTINE SPRING
(A-14- 3)25	
(A-14- 3)26	
(A-14- 4)22	CANTEEN SPRING
(A-14- 5) 5	
(A-14- 5) 6	
(A-14- 5) 6DBD	SWAN CREEK SPRING
(A-14- 5) 8	
(A-14- 5)17	
(A-14- 5)18D	
(A-14- 5)28	
(A-14- 5)29	
(A-14- 5)31	
(A-14- 5)32	
(A-14- 5)33	
(A-14- 6)16	
(A-14- 6)34	
(A-14- 7) 2	
(A-14- 7)24	
(A-14- 7)34	
(A-15- 1)36DB	
(B- 1- 1)14DCB	BECK'S HOT SPRINGS
(B- 1- 1)25DB	WASATCH HOT SPRINGS
(B- 1- 1)32DD	
(B- 1- 7)10	
(B- 1- 8)30	
(B- 1-18)17	
(B- 1-18)29	
(B- 1-18)31	
(B- 2- 3) 9DD	MUSHROOM SPRING
(B- 2- 3)10AA	
(B- 2- 3)16DD	
(B- 2- 3)20CA	
(B- 2- 3)21DD	
(B- 2- 3)27CA	MCINTYRE SPRING
(B- 2- 4)14	
(B- 2- 6)28	
(B- 2- 9)25	
(B- 3- 3) 4BB	
(B- 3- 3)16	
(B- 3- 3)21DB	
(B- 3- 3)22AC	
(B- 3- 3)33AB	
(B- 3- 4)36DC	
(B- 3-19)12	
(B- 3-19)27	
(B- 4- 3)30DD & DC	LADY FINGER SPRING
(B- 4- 3)32	
(B- 4- 9)35AD	
(B- 4-19)28	
(B- 4-19)33	
(B- 4-19)34	
(B- 5- 1)25DB	HAMRE SPRING
(B- 5- 3)27CB	HOOPER HOT SPRINGS
(B- 5- 4)21CB	

Table 1. continued

SPRING LOCATION	SPRING NAME
(B- 5- 9) 2BD	SAGERS SPRING
(B- 5-18)19	
(B- 5-18)23	
(B- 5-19)14	
(B- 5-19)21	
(B- 5-19)29	
(B- 5-19)32	
(B- 5-19)33	
(B- 5-19)36	PATTERS SPRING
(B- 6- 1)23CCD	OGDEN HOT SPRINGS
(B- 6- 1)23DCB	
(B- 6- 3)20BC	
(B- 6- 5) 9	
(B- 6- 5)21	
(B- 6- 6)10	
(B- 6- 6)11	
(B- 6-13)17	
(B- 6-13)18	
(B- 6-13)19	
(B- 6-13)20	
(B- 6-13)30	
(B- 6-13)31	
(B- 6-13)32	
(B- 6-14)24	
(B- 6-14)31	
(B- 6-19)10	
(B- 6-19)22	
(B- 6-19)25	
(B- 6-19)32	
(B- 6-19)33	
(B- 6-19)34	
(B- 6-19)35	
(B- 7- 1) 2CA	
(B- 7- 1) 4DA	CUTLER SPRING
(B- 7- 1)10AB	COLD SPRING
(B- 7- 1)18	
(B- 7- 1)22BD	
(B- 7- 1)22DC	RICE CREEK SPRING
(B- 7- 1)25BB	
(B- 7- 1)30DA	
(B- 7- 1)34BC	COVE SPRINGS
(B- 7- 2)14DCA	UTAH HOT SPRINGS
(B- 7- 2)23	
(B- 7- 5)10	
(B- 7- 5)15	
(B- 7- 5)16	
(B- 7- 5)32	
(B- 7- 5)33	
(B- 7- 6) 1	
(B- 7- 6)14	
(B- 7- 6)23	
(B- 7- 6)24	
(B- 7- 6)26	
(B- 7- 9)25	
(B- 7-12) 6	
(B- 7-19) 5	
(B- 7-19) 7	
(B- 7-19)20	
(B- 7-19)25	
(B- 8- 1)32AB	
(B- 8- 1)36CB	
(B- 8- 2) 1AA	
(B- 8- 2)24	
(B- 8- 2)35	
(B- 8- 5)27	
(B- 8- 5)29	
(B- 8- 5)32	
(B- 8- 6) 7	
(B- 8- 6)12	
(B- 8- 6)13	
(B- 8- 6)21	
(B- 8- 6)36	
(B- 8-13)36DDD	CRESCENT SPRING
(B- 8-18)23D	OWL SPRING
(B- 8-18)24	RABBIT SPRINGS
(B- 9- 1) 1BB	MUD SPRING
(B- 9- 1) 1BD	
(B- 9- 1) 1CA	
(B- 9- 1) 1DD	BIG SPRING
(B- 9- 1) 7CD	
(B- 9- 1)10CD	
(B- 9- 1)14CD	
(B- 9- 1)15AC	
(B- 9- 1)15CA	OLSENS SPRING
(B- 9- 1)15CD	HALLINGS SPRING
(B- 9- 1)17CB	
(B- 9- 1)22	
(B- 9- 1)23BA	
(B- 9- 1)23CD	ROCK SPRING
(B- 9- 1)23DC	BIG SPRING
(B- 9- 1)29BD	
(B- 9- 2)12BA	REES SPRING
(B- 9- 5) 7	
(B- 9- 6) 2	
(B- 9- 6) 8	
(B- 9- 6)11AB	
(B- 9- 6)12	
(B- 9- 6)36D	
(B- 9-16) 3	
(B- 9-17) 1	
(B- 9-17)10	
(B- 9-18)16	
(B- 9-19)22	
(B-10- 1) 7BD	
(B-10- 1) 9AD	
(B-10- 1)10AAC	WELLSVILLE SPRING
(B-10- 1)10CAB	MURRAY SPRING
(B-10- 1)14C	
(B-10- 1)17CAC	LEATHAM MUNICIPAL SPRING
(B-10- 1)20BD	
(B-10- 1)25CC	
(B-10- 1)26BA	HALL SPRING
(B-10- 1)26DD	THE POT HOLE SPRING
(B-10- 1)28AD	MCBRIDE SPRING
(B-10- 1)28CC	
(B-10- 1)29DD	
(B-10- 1)32AA	
(B-10- 1)32DD	
(B-10- 1)34BA	SARDINE SPRING
(B-10- 1)34BD	SOUTH GROVE SPRING
(B-10- 1)35BC	
(B-10- 1)36AC	
(B-10- 2) 3BD	BLUEROCK SPRING
(B-10- 2) 3DB	TOLMAN SPRINGS
(B-10- 2) 3DC	HONEYVILLE SPRING
(B-10- 2) 4CA	COLD SPRING
(B-10- 2)10BA	GLENN ORMS SPRING
(B-10- 2)25AC	
(B-10- 2)25BA	
(B-10- 2)26AD	
(B-10- 3)30BBD	STINKING HOT SPRINGS
(B-10- 4) 6DC	CONNOR SPRING
(B-10- 4)11AC	
(B-10- 4)11BA	
(B-10- 4)13C	
(B-10- 4)23	
(B-10- 4)24	LITTLE MOUNTAIN WARM SPRING
(B-10- 5)11A & D	
(B-10- 5)12BD	
(B-10- 5)23	
(B-10- 6)12C	
(B-10- 6)13B	
(B-10- 6)13DB	
(B-10- 6)20	
(B-10- 6)24	
(B-10- 6)26	
(B-10- 7) 7	
(B-10- 7)23	
(B-10-11) 8	DUCK SPRING
(B-10-11)30	
(B-10-15) 6	
(B-10-16) 5	
(B-10-16) 6	
(B-10-16)12	
(B-10-16)16	
(B-10-17)15	
(B-10-17)20	
(B-10-17)21	
(B-10-18)30	
(B-10-19)28	
(B-11- 1) 7	
(B-11- 1)21DAC	GARDNER SPRING
(B-11- 1)27BDD	CLAYTON SPRING
(B-11- 1)34DAC	NORTHFIELD SPRING
(B-11- 2) 1CA	TOM MUIR SPRING
(B-11- 2) 4CDA	GARLAND SPRING
(B-11- 2) 5AA	WILLOW SPRING
(B-11- 2) 5ACB	
(B-11- 2) 5ACD	JENSEN SPRING
(B-11- 2) 6CD	
(B-11- 2) 7CB	

Table 1. continued

SPRING LOCATION	SPRING NAME
(B-11- 2) 8DB	DEWEY SPRINGS
(B-11- 2)10	
(B-11- 2)12AA	
(B-11- 2)12DA	
(B-11- 2)27AD	
(B-11- 2)27DA	
(B-11- 2)29DA	CRYSTAL (MADSEN) HOT SPRINGS
(B-11- 2)32AA	
(B-11- 3)12AD & DA	
(B-11- 3) 6	BOTHWELL (SALT CREEK) WARM SPRINGS
(B-11- 4) 4B	BURNHOPE SPRINGS
(B-11- 5)22D	
(B-11- 6)24D	ENGINEER SPRINGS
(B-11- 7)24	
(B-11- 7)25	
(B-11- 7)34	
(B-11- 7)35	
(B-11- 9) 2	
(B-11- 9) 5CCA	SPARKS SPRING
(B-11- 9) 6CAC	OFF SPRING
(B-11- 9) 7	
(B-11- 9)10	
(B-11- 9)26	
(B-11-10) 1ADC	BAR M SPRING
(B-11-10)12AAC	TEAL SPRING
(B-11-11) 6	BLACK BUTTE SPRINGS
(B-11-11)19	SKULL SPRING
(B-11-13) 4	
(B-11-15)31	
(B-11-16) 1	
(B-11-16)19	
(B-11-16)33	
(B-11-17) 4	
(B-11-17)32	
(B-11-17)36	
(B-11-18) 2	
(B-11-18) 3	
(B-11-18)18CAA	
(B-11-18)19DDA	
(B-11-19)11DAD	
(B-11-19)12DD	
(B-11-19)26	
(B-12- 1) 7DC	
(B-12- 1)19CA	
(B-12- 1)30BDD	YONK SPRING
(B-12- 1)31BCC	DEEP GORGE SPRING
(B-12- 2) 2	
(B-12- 2) 5CB	
(B-12- 2) 5CC	
(B-12- 2) 6BA	
(B-12- 2) 7AA	
(B-12- 2) 7AB	
(B-12- 2) 7CD	
(B-12- 2) 7DB	
(B-12- 2)14BA	
(B-12- 2)17	
(B-12- 2)24CB	
(B-12- 2)26DD	WALTER AHERN SPRING
(B-12- 2)30CD	GLEN MASON SPRING
(B-12- 2)30CDD	BEATON SPRINGS
(B-12- 2)31DDA & DDB	GARLAND SPRINGS
(B-12- 2)31DDD	TREMONTON SPRINGS
(B-12- 2)32DC	HAWBUSH SPRINGS
(B-12- 2)32DD	FRYER SPRINGS
(B-12- 2)33AD	
(B-12- 2)33DD	
(B-12- 2)34AD	
(B-12- 2)34CC	
(B-12- 3) 1DB	
(B-12- 5) 6	
(B-12- 6)33	
(B-12- 7)16	
(B-12- 7)24	
(B-12- 9)36	
(B-12-10)36CAB	WEST LOCOMOTIVE SPRING
(B-12-10)36DCC	BAKER SPRING
(B-12-12) 2A	
(B-12-12)10A	
(B-12-13) 5C	
(B-12-13) 8B	
(B-12-13)26	
(B-12-14) 5B	DANE SPRING
(B-12-15) 2D	NO. 2 SPRING
(B-12-15) 8A	
(B-12-15)19AB	WARM SPRINGS
(B-12-16) 2	
(B-12-16) 7D	
(B-12-16)10B	
(B-12-16)11A	
(B-12-16)33	
(B-12-17)19	
(B-12-17)31CCD	NORTH COOK SPRING
(B-12-17)33	
(B-12-18) 9BBB	DRY CANYON SPRING
(B-12-18)18 (E)	
(B-12-18)25	
(B-12-18)32	
(B-12-19)10CD	ROCK SPRING
(B-12-19)11 (E)	
(B-12-19)14CD	ERN SPRING
(B-13- 1)14BB	
(B-13- 1)14BC	
(B-13- 1)14CA	
(B-13- 1)14CB	
(B-13- 1)14CC	
(B-13- 1)15AA	
(B-13- 1)15BC	
(B-13- 1)19DD	
(B-13- 2) 2	
(B-13- 2) 6AD	
(B-13- 2) 8DA	
(B-13- 2)13CC	
(B-13- 2)14BB	BISHOP SPRING
(B-13- 2)18AA	
(B-13- 2)27D	CUTLER WARM SPRINGS
(B-13- 2)32	HANSEN SPRING
(B-13- 3)14 & 23	UDDY HOT SPRINGS
(B-13- 3)28DD	
(B-13- 3)34CA	
(B-13- 5)29	BLUE (HONEYVILLE) WARM SPRINGS
(B-13- 6)15	
(B-13-12)30C	
(B-13-12)35D	
(B-13-13)10D	
(B-13-13)14A	
(B-13-13)21D	
(B-13-13)27D AND 35B	
(B-13-13)34C	
(B-13-13)34C	
(B-13-13)36A	
(B-13-14)13D	
(B-13-14)14A	
(B-13-14)15B	
(B-13-14)16A	
(B-13-14)17A	
(B-13-14)18D	DOCKEN CORRAL SPRING
(B-13-14)21D & 28A	
(B-13-14)24C & D	
(B-13-14)26D	
(B-13-14)30A	
(B-13-14)33A	
(B-13-14)36	
(B-13-15) 5C	MAHAGONY SPRING
(B-13-15) 5D	MUD SPRING
(B-13-15)10B	STEVENS SPRINGS
(B-13-15)12C	
(B-13-15)15B	WILLOW SPRINGS
(B-13-15)15D	BLACK HILLS SPRING
(B-13-15)16C	BIRCH SPRINGS
(B-13-15)24B	
(B-13-15)36D	NO. 36 SPRING
(B-13-16) 2D	PINE SPRING
(B-13-16) 3A	
(B-13-16) 4A	BUCK HOLLOW SPRING
(B-13-16) 9B	ROCKY SPRING
(B-13-16)10A	CLARKS BASIN SPRING
(B-13-16)10D	
(B-13-16)14A	
(B-13-16)27B	CHAMBERS SPRING
(B-13-16)28C	
(B-13-16)33B	
(B-13-17)11C	
(B-13-17)26C	
(B-13-17)36A	
(B-13-19)24D	
(B-13-19)36D	BEATTY SPRING
(B-14- 2) 4BA	

Table 1. continued

SPRING LOCATION		SPRING NAME
(B-14- 2) 5DD		
(B-14- 2) 8AD		
(B-14- 2) 8DC & 17AB		
(B-14- 2) 9DB		
(B-14- 2) 9DC		
(B-14- 2)16CD		
(B-14- 2)17DD		
(B-14- 2)31CA		
(B-14- 2)31CD		
(B-14- 2)31DC		
(B-14- 4) 1		
(B-14- 4) 5		
(B-14- 4)16		
(B-14- 7) 4		
(B-14- 7) 5		
(B-14- 7)19		
(B-14- 7)27		
(B-14-10)18		
(B-14-10)32		
(B-14-11)13B		PILOT SPRINGS
(B-14-11)31		
(B-14-12)11C		CEDAR SPRINGS
(B-14-12)24B		EMIGRANT SPRINGS
(B-14-12)27A		CRYSTAL SPRINGS
(B-14-13) 4		
(B-14-13)29D		BIG SPRINGS
(B-14-14) 8D		DIPPING VAT SPRINGS
(B-14-14)22C		
(B-14-14)33C		
(B-14-15) 1A		CARTER SPRING
(B-14-15)21B		CALLAHAN SPRING
(B-14-15)23B		
(B-14-15)25D		COLD SPRINGS
(B-14-15)32B		BLYTHE SPRING
(B-14-16)16C		BOUNDARY SPRING
(B-14-16)17A		
(B-14-16)23 AND 25		
(B-14-16)25D		BRONSON SPRING
(B-14-16)26C		LITTLE POLE SPRING
(B-14-16)28C		LYNN SPRING
(B-14-17) 4C		
(B-14-17) 6B		
(B-14-17) 6C		
(B-14-17) 7B		
(B-14-17) 8C		
(B-14-17)22A		
(B-14-17)22C		
(B-14-17)23D		
(B-14-17)27C		
(B-14-17)28C		
(B-14-17)34B		
(B-14-18)13C		
(B-14-18)27B		
(B-14-18)29		
(B-14-18)32D		
(B-15- 4)32		
(B-15- 7)32		
(B-15-14)31B		OLIVER SPRINGS
(B-15-17)34C		
(B-15-18)36B		
(C- 1- 2)19		ADAMSON SPRING
(C- 1- 7) 8 & 9		TIMPIE WARM SPRINGS
(C- 1- 7)25D		
(C- 1- 8)12		SALT SPRING
(C- 1- 9)14		
(C- 1-10)35		
(C- 1-19) 2		
(C- 1-19) 9		
(C- 1-19)19		
(C- 2- 1) 4DBC		
(C- 2- 2) 5AAC		
(C- 2- 2) 5CC		
(C- 2- 2)17CD		
(C- 2- 2)31CD		BANCROFT SPRING
(C- 2- 3)10DC		MAPLE SPRING
(C- 2- 3)13AB		
(C- 2- 3)23BC		MUD SPRING
(C- 2- 3)23DA		
(C- 2- 3)23DB		ROCK SPRINGS
(C- 2- 3)27CD		CRYSTAL SPRINGS
(C- 2- 4)10BCA		DUNNE'S POND SPRINGS
(C- 2- 4)15 & 16		MILL POND SPRING GROUP
(C- 2- 4)24 AND 25		
(C- 2- 5)19BB		
(C- 2- 5)26C		
(C- 2- 5)26CDC		
(C- 2- 5)26CDC		
(C- 2- 5)33ADD		
(C- 2- 5)33ADD		
(C- 2- 6)16AAD		GRANTSVILLE WARM SPRINGS
(C- 2- 7) 6C		BURNT SPRINGS
(C- 2- 7)25D		LIMEKILN SPRING
(C- 2- 7)34A		
(C- 2- 7)34C		
(C- 2- 8)13		MUSKRAT SPRING
(C- 2- 8)26D		HORSESHOE SPRINGS
(C- 2- 9) 7		REDLAM SPRING
(C- 2- 9) 9		
(C- 2- 9)20		
(C- 2-10) 7		LONE ROCK SPRING
(C- 2-12)28		
(C- 3- 2) 7AD		
(C- 3- 2) 7BA		
(C- 3- 2) 7BC		
(C- 3- 2) 8DD		
(C- 3- 3) 1B		
(C- 3- 3) 1CD		
(C- 3- 3) 1DC		
(C- 3- 3) 4C		
(C- 3- 3) 9A		
(C- 3- 3) 9D		
(C- 3- 3)10A		
(C- 3- 3)10D		
(C- 3- 3)11A		
(C- 3- 3)12C		
(C- 3- 4) 5C		
(C- 3- 4) 8C		
(C- 3- 4) 8C & 7D		
(C- 3- 4)34CC		
(C- 3- 6)18D		
(C- 3- 6)30C		
(C- 3- 6)31C		
(C- 3- 7) 1A	(E)	
(C- 3- 7) 2	(E)	
(C- 3- 7) 7		DELLE RANCH SPRING
(C- 3- 7)10D	(E)	
(C- 3- 7)12	(E)	
(C- 3- 7)15B	(E)	
(C- 3- 7)25	(E)	
(C- 3- 7)28	(E)	
(C- 3- 7)29BCB		CHOKECHERRY SPRING
(C- 3- 7)30C		
(C- 3- 7)30D		
(C- 3- 7)31CDC		
(C- 3- 7)36	(E)	
(C- 3- 8)10CCC		DESERET LIVESTOCK CO SOUTH SPRING
(C- 3- 8)10 & 16		IOSEPA SPRINGS
(C- 3- 8)12AB		FLAMING SPRING
(C- 3- 8)21DDB		
(C- 3- 8)25D		
(C- 3- 9) 8		SULPHUR SPRINGS
(C- 3- 9)18		
(C- 3- 9)30AC		
(C- 3-10)16		
(C- 4- 1)11 & 12		CRYSTAL HOT SPRINGS
(C- 4- 1)22ADA		
(C- 4- 1)22ADD		
(C- 4- 1)22ADD		RAILROAD SPRINGS
(C- 4- 1)23BCC		
(C- 4- 1)26DBA		LOWER BEEF HOLLOW SPRINGS
(C- 4- 1)27DCD		UPPER BEEF HOLLOW SPRINGS
(C- 4- 2) 2B		
(C- 4- 2) 8DA		
(C- 4- 2)10C		
(C- 4- 2)14A		
(C- 4- 2)19AA		
(C- 4- 2)25		
(C- 4- 2)26CB		TICKVILLE SPRING
(C- 4- 2)30A	(E)	ROSE CANYON SPRING
(C- 4- 2)32AB		OAK SPRINGS
(C- 4- 2)35BC		
(C- 4- 3) 1C		OAK SPRINGS
(C- 4- 3) 3AD		
(C- 4- 3) 3BD		
(C- 4- 3) 4AD		
(C- 4- 3) 6D		
(C- 4- 3) 8B		
(C- 4- 3)11A		
(C- 4- 3)12C		
(C- 4- 3)13A		

Table 1. continued

SPRING LOCATION		SPRING NAME
(C- 4- 3)13D		
(C- 4- 3)13DA		
(C- 4- 3)26C		COTTONWOOD SPRINGS
(C- 4- 3)27B		
(C- 4- 3)28D		
(C- 4- 3)31		COMO SPRINGS
(C- 4- 4) 2C		
(C- 4- 4) 5A		
(C- 4- 4) 8C		FOLLEY SPRING
(C- 4- 4)36D		
(C- 4- 5)26 AND 35		
(C- 4- 5)32D & 33C		
(C- 4- 6) 8A		
(C- 4- 6)26CD		
(C- 4- 6)29B		MUD SPRINGS
(C- 4- 6)32B		
(C- 4- 7) 5A		UPPER SPRING
(C- 4- 7) 5C		
(C- 4- 7) 8A		
(C- 4- 7)16B		
(C- 4- 7)17D		
(C- 4- 7)20A		
(C- 4- 7)24AA		
(C- 4- 7)25A		
(C- 4- 7)25B		
(C- 4- 7)25C		
(C- 4- 7)25D		
(C- 4- 7)28A		
(C- 4- 7)33A		
(C- 4- 7)33D		
(C- 4- 7)36B		
(C- 4- 7)36C		
(C- 4- 7)36D		
(C- 4- 8)13A		
(C- 4- 8)13D		
(C- 4- 8)24A		
(C- 4- 9) 5BC		
(C- 4-10) 28D		
(C- 4-10)17		JACOBS SPRING
(C- 4-10)18DB		BROWN SPRING
(C- 4-11)36CCC	(E)	CEDAR SPRING
(C- 4-19) 4 AND 5		
(C- 4-19) 6		
(C- 4-19) 7		
(C- 4-19) 8		
(C- 4-19)20		
(C- 4-19)36		
(C- 5- 1)25BBC		
(C- 5- 1)25CD		SARATOGA HOT SPRINGS
(C- 5- 1)25CDC		
(C- 5- 1)26AAD		
(C- 5- 2) 2A		
(C- 5- 2) 2D		
(C- 5- 2)15C		
(C- 5- 2)15D		SULPHUR SPRING
(C- 5- 2)23B		
(C- 5- 2)26C		
(C- 5- 2)29A		
(C- 5- 2)32A		
(C- 5- 3) 1AA		
(C- 5- 3) 1C & 12B		WILLOW SPRINGS
(C- 5- 3) 1D		
(C- 5- 3) 4A		
(C- 5- 3)11A & D		
(C- 5- 3)12C		
(C- 5- 3)13D		COLD SPRINGS
(C- 5- 3)14A		
(C- 5- 3)19D		DURST SPRING
(C- 5- 3)21 & 27		
(C- 5- 3)22A		ROCK SPRINGS
(C- 5- 3)22C		
(C- 5- 3)23B		
(C- 5- 3)27A		
(C- 5- 3)29C		
(C- 5- 3)31B		
(C- 5- 3)33C		
(C- 5- 3)36C		
(C- 5- 4) 4B		
(C- 5- 4) 6D		
(C- 5- 4)14B		CALIFORNIA SPRINGS
(C- 5- 4)15A		
(C- 5- 4)29A		
(C- 5- 4)30		
(C- 5- 4)31B		
(C- 5- 4)32D		

SPRING LOCATION		SPRING NAME
(C- 5- 4)36AC		
(C- 5- 5) 9CBA		MORGANS WARM SPRINGS
(C- 5- 5)17AAA		RUSSELL'S WARM SPRINGS
(C- 5- 6) 1D		COLD SPRING
(C- 5- 6) 7D		STADLEY SPRING
(C- 5- 6)20B		CHOKECHERRY SPRING
(C- 5- 6)20C		GRANTEE SPRING
(C- 5- 6)20D		
(C- 5- 6)22		
(C- 5- 6)26 35 & 36		
(C- 5- 6)32B		
(C- 5- 6)32BBA		CLOVER CREEK SPRING
(C- 5- 7)12CD		
(C- 5- 7)21B		
(C- 5- 7)23D		ROCK SPRING
(C- 5- 7)27A		CLAY SPRINGS
(C- 5- 7)35B		SAND SPRINGS
(C- 5- 7)35C		WILLOW SPRINGS
(C- 5- 9)31		
(C- 5-10)21		
(C- 5-10)34		CANE SPRINGS
(C- 5-18) 6		
(C- 5-19)12		
(C- 6- 1) 1AAB		
(C- 6- 1) 1ABA		
(C- 6- 1) 1ADA		
(C- 6- 2) 6C		
(C- 6- 2)26C		TICKVILLE SPRINGS
(C- 6- 2)29CCC		FAIRFIELD SPRING
(C- 6- 2)33C		
(C- 6- 2)34A		MONASTERY SPRINGS
(C- 6- 3) 1A		
(C- 6- 3)21A		
(C- 6- 3)22A		
(C- 6- 3)27B		
(C- 6- 3)28C		
(C- 6- 3)29D		
(C- 6- 3)33C		
(C- 6- 3)35B		
(C- 6- 4)18C		BOX SPRINGS
(C- 6- 4)21C & 29A		
(C- 6- 6) 1B & C		
(C- 6- 6) 6B		
(C- 6- 6)18A		
(C- 6- 6)20C		STOOKEY SPRING
(C- 6- 6)24B		
(C- 6- 6)31D		
(C- 6- 7) 2B		PACK SPRINGS
(C- 6- 7)11C		PARK SPRINGS
(C- 6- 7)14C		CALDWELL SPRINGS
(C- 6- 8)15		ORR'S RANCH SPRINGS
(C- 6- 8)23A & B		WILLOW PATCH SPRING
(C- 6- 9) 6D	(E)	WHITEROCK SPRING
(C- 7- 5)28		
(C- 7- 5)32		
(C- 7- 6) 4		
(C- 7- 6)32		
(C- 7- 7) 1		
(C- 7-10)12		
(C- 7-18) 2		
(C- 7-18)21		
(C- 8- 5)26		
(C- 8- 5)35		
(C- 8- 5)36		
(C- 8- 6) 7		CEDAR SPRINGS
(C- 8- 6)20 AND 36		
(C- 8- 6)31		
(C- 8- 7) 1		
(C- 8- 7)12 & 13		
(C- 8- 7)16		
(C- 8-13) 3DAD	(E)	
(C- 8-15)32		
(C- 8-17)30	(E)	GOSHUTE SPRINGS
(C- 8-17)32	(E)	WILD GOOSE SPRINGS
(C- 8-17)32	(E)	MINNEHAHA SPRING
(C- 8-18)11		OCHRE SPRINGS
(C- 9- 2)30DC		CHIULOUS SPRING
(C- 9- 2)31CD		SWANSON SPRING
(C- 9- 2)32CC		DAVIS SPRING
(C- 9- 4)19		
(C- 9- 4)22		
(C- 9- 4)27		
(C- 9- 4)28		
(C- 9- 4)29		
(C- 9- 4)32		

Table 1. continued

SPRING LOCATION		SPRING NAME
(C- 9- 6) 2		
(C- 9- 6)16		
(C- 9- 6)24		
(C- 9- 6)35		
(C- 9- 7)30CD		
(C- 9- 7)31		
(C- 9- 7)31DB		
(C- 9- 7)33		
(C- 9- 8)15DB		WINTER SPRINGS
(C- 9- 8)18ADB		SIMPSON SPRING
(C- 9- 8)35AB		
(C- 9- 8)36BD		
(C- 9-16)10		
(C- 9-16)11		
(C- 9-16)15		
(C- 9-16)30		
(C- 9-17) 5		MINNIHAHA SPRING
(C- 9-17) 9		
(C- 9-17)18		
(C- 9-17)25		
(C- 9-17)36D		REDDING SPRING
(C- 9-18)11	(E)	
(C- 9-18)27	(E)	WILLOW SPRINGS
(C- 9-19) 1		
(C- 9-19)13C		CHADMAN SPRINGS
(C- 9-19)26D		GREASEWOOD SPRINGS
(C- 9-19)33A		
(C-10- 1)36DCB		GOSHEN TOWN SPRING
(C-10- 2) 5BC		MAPLE SPRING
(C-10- 2) 6BC		HERRINGTON SPRING
(C-10- 2) 6CC		
(C-10- 2) 7BC & CD		
(C-10- 2) 9C		
(C-10- 2)10CB		HIDDEN TREASURE SPRING
(C-10- 2)14CD		KEG SPRING
(C-10- 2)15AD		JAMESON SPRING
(C-10- 2)16BD		HANNIBAL SPRING
(C-10- 2)17CD		
(C-10- 2)18BB		
(C-10- 2)21DDC		APERDUE SPRING
(C-10- 2)21DDD		APEX SPRING
(C-10- 2)28DA		GOLD BOND SPRING
(C-10- 2)29AA		LITTLE GOUGH SPRING
(C-10- 2)33AD		BIG GOUGH SPRING
(C-10- 4) 5		
(C-10- 5) 7CCC		
(C-10- 5)14CC		CHOKECHERRY SPRING
(C-10- 5)15DA		
(C-10- 5)15DD		
(C-10- 5)19BB		
(C-10- 5)32BC		
(C-10- 6)10AA	(E)	
(C-10- 6)15D	(E)	
(C-10- 6)22A	(E)	
(C-10- 6)24CAA	(E)	
(C-10- 6)34AD		
(C-10- 6)35DA		
(C-10- 7) 5C		
(C-10- 7) 8CA		CHERRY SPRINGS
(C-10- 7)17BAA		
(C-10- 7)21DC		
(C-10- 7)27		
(C-10- 7)32BC		IRON SPRINGS
(C-10- 8) 1BD		
(C-10- 8) 3AB		INDIAN SPRINGS
(C-10- 8) 4DA		
(C-10- 8) 5DB		COYOTE SPRINGS
(C-10- 8)11		
(C-10- 8)20AC		BURNT SPRINGS
(C-10- 8)23CD	(E)	
(C-10- 8)33BB	(E)	SIX MILE SPRING
(C-10- 8)33BC	(E)	
(C-10- 8)34AD	(E)	
(C-10- 8)35DB	(E)	
(C-10-14)33		WILSON HOT SPRINGS
(C-10-16)30		
(C-10-17) 5		EIGHT MILE SPRINGS
(C-10-17) 9		
(C-10-17)15		SIX-MILE SPRING
(C-10-17)19		
(C-10-17)20		
(C-10-17)21		
(C-10-17)26		
(C-10-17)31		
(C-10-17)32D		ROCK SPRINGS
(C-10-17)35, 36		
(C-10-18) 7		
(C-10-18) 8		
(C-10-18)36		
(C-10-19)12		
(C-10-19)36		
(C-11- 1)20C		JACKS SPRINGS
(C-11- 1)30A		COTTONWOOD SPRINGS
(C-11- 2) 3AD		
(C-11- 2) 4BB		GREEN SPRINGS
(C-11- 2) 6DBD		HANCOCK SPRING
(C-11- 2) 8DC		DIAMOND SPRINGS
(C-11- 2)32A		
(C-11- 3)20BB		
(C-11- 3)21DA		
(C-11- 3)21DD		
(C-11- 3)22CB		
(C-11- 3)28DA		
(C-11- 4)13AA		
(C-11- 4)19BB		
(C-11- 4)21BC		
(C-11- 4)28BD		
(C-11- 5) 5CA		
(C-11- 5) 7BA		
(C-11- 5) 8DC		INDIAN SPRING
(C-11- 5)10AB		
(C-11- 5)14CB		
(C-11- 5)14CD		
(C-11- 5)14DC		
(C-11- 5)24BC		
(C-11- 7)10		
(C-11- 8) 3		
(C-11- 8)12B	(E)	ANTELOPE SPRINGS
(C-11- 8)27		
(C-11- 9)35BC		
(C-11- 9)36		WILLOW SPRING
(C-11-10)34		
(C-11-14) 2		
(C-11-14) 3		BIG SPRING
(C-11-14) 4, 5		
(C-11-14)11		
(C-11-14)23 - 26		FISH SPRINGS
(C-11-14)36		
(C-11-17) 1		WILLOW SPRING
(C-11-17) 2		
(C-11-17)30		
(C-11-19)19CAA		
(C-12- 1) 5C		LUNT-LATTIMER SPRINGS
(C-12- 1)12A		
(C-12- 1)24A & B		
(C-12- 2) 1B		
(C-12- 2) 3		KEYSTONE SPRINGS
(C-12- 3) 4BD		
(C-12- 3) 9AB,DA & DD		
(C-12- 3)24DC		RILEY SPRINGS
(C-12- 4)11BB		MUD SPRING
(C-12- 5)10D AND 15D		
(C-12- 5)13BB		
(C-12- 5)16AC		INDIAN SPRINGS
(C-12- 5)16CA		
(C-12- 5)16CD		
(C-12- 7)21		
(C-12- 9) 2		
(C-12- 9) 7		
(C-12- 9) 8		
(C-12- 9)11		CRESCENT SPRING
(C-12- 9)13		
(C-12-10) 3		FLINT SPRING
(C-12-10)35		CANE SPRING
(C-12-11) 7		HANGING ROCK SPRING
(C-12-12)10C		WILDHORSE SPRINGS
(C-12-13)12		
(C-12-14)24		
(C-12-14)25		CANE SPRINGS
(C-12-18)28		
(C-12-18)29		
(C-12-18)32		
(C-12-19)27D		BLUE SPRING
(C-12-19)28		
(C-12-19)30		
(C-13- 1) 38		GOVERNMENT SPRING
(C-13- 1)33CAC		ORME SPRING
(C-13- 2)19		
(C-13- 2)29		
(C-13- 2)30		

Table 1. continued

SPRING LOCATION		SPRING NAME
(C-13- 8)12		
(C-13- 9)17		
(C-13- 9)22		
(C-13-18)18A		TROUGH SPRINGS
(C-13-18)30A		LIME SPRING
(C-13-19) 3C		
(C-13-19)15B		
(C-13-19)25B		
(C-14- 1) 6B		
(C-14- 2)25		
(C-14- 6)14		
(C-14- 7)10		
(C-14- 7)16		
(C-14- 7)18		
(C-14- 7)19		
(C-14- 7)29		
(C-14- 8)10		
(C-14- 8)10 & 15		ABRAHAM HOT SPRINGS
(C-14-11)22B		SCHOENBURGER SPRING
(C-14-11)26B		LAIRD SPRINGS
(C-14-18) 3A		
(C-14-18) 3D		
(C-14-18)14C		
(C-14-18)22B		
(C-14-18)33		
(C-14-19) 5		ELLA SPRING
(C-14-19) 8		
(C-14-19)23B		COYOTE SPRING
(C-15- 1) 3C		
(C-15- 1) 3D		
(C-15- 1)10A		
(C-15- 1)15C & D		
(C-15- 3)17		
(C-15- 7)19		
(C-15- 8) 3		
(C-15- 8) 9		
(C-15- 8)14		
(C-15- 8)24		
(C-15- 8)25		
(C-15- 8)33		
(C-15- 8)34		
(C-15- 9) 6		
(C-15-10) 1A		
(C-15-10) 8		
(C-15-10)29		
(C-15-13)11		
(C-15-18) 4C		
(C-15-18) 8D		
(C-15-19)31BC		GANDY WARM SPRINGS
(C-16- 2) 2AAD		CHASE SPRINGS
(C-16- 2)27DBD		BLUE SPRINGS
(C-16- 2)34AAB		MOLTEN SPRINGS
(C-16- 3) 8A	(E)	MORNING DOVE SPRING
(C-16- 3)30	(E)	
(C-16- 8) 3		
(C-16- 8)14		
(C-16-12) 1		
(C-16-12)19		
(C-16-13)24	(E)	SWASEY SPRING
(C-16-15)13B		
(C-16-18)16,22,27		BISHOP SPRING AREA
(C-16-19) 2B		COLD SPRING
(C-16-19) 2D		
(C-17- 1) 2BA		
(C-17- 3) 3A		
(C-17- 3) 6C		
(C-17- 3) 9A		
(C-17- 3)28D		
(C-17- 3)31C		
(C-17- 4)12D		
(C-17- 4)16D		FIRST SPRINGS
(C-17- 4)29C		LOWER CLAY SPRINGS
(C-17- 8) 3		
(C-17- 8)12		
(C-17-13) 2		ANTELOPE SPRING
(C-17-13) 4		
(C-17-15) 3A		WILLOW SPRING
(C-17-15) 3D & 10A		TULE SPRING
(C-17-15)14		SOUTH TULE SPRING
(C-17-16)28D		STUMP SPRING
(C-17-16)33B		WILLOW SPRING
(C-17-19)21D		
(C-18- 3)18B		
(C-18- 3)23		
(C-18- 4) 4	(E)	WHISKEY SPRINGS
(C-18- 6) 6		
(C-18- 6)35C		MUD LAKE SPRINGS
(C-18-18) 3C		NORTH KNOLL SPRING
(C-18-18) 9		
(C-18-18)16A,B		KNOLL SPRINGS
(C-18-18)16C		
(C-19- 2) 9DB		SCIPPIO SPRINGS
(C-19- 3)14		
(C-19- 3)22		
(C-19- 5) 5D		ANTELOPE SPRINGS
(C-19- 5) 8A		
(C-19- 5)18A		
(C-19- 8)15		
(C-19- 9)22		
(C-19-14) 3	(E)	
(C-19-14) 5	(E)	PAINTER SPRING
(C-19-14)10	(E)	
(C-19-14)11	(E)	
(C-19-17) 2A		
(C-20- 3) 5B		OAK SPRINGS
(C-20- 3)15		
(C-20- 3)16		
(C-20- 3)30		
(C-20- 3)31		
(C-20- 4) 2DA		
(C-20- 4)11		
(C-20- 4)13BD		
(C-20- 7)10A		CLEAR LAKE SPRINGS
(C-20-10) 4		
(C-21- 1)11A		REDMOND LAKE SPRING
(C-21- 1)20BCC		MUD SPRING
(C-21- 2) 2A		MAPLE GROVE SPRINGS
(C-21- 3)13D	(E)	
(C-21- 3)14A	(E)	PEEPLES SPRING
(C-21- 3)14C	(E)	
(C-21- 3)19B	(E)	
(C-21- 3)19B		
(C-21- 3)30D	(E)	
(C-21- 3)34C	(E)	
(C-21- 3)34D	(E)	
(C-21- 3)35D	(E)	TURNER TIMBER SPRING
(C-21- 3)36A	(E)	INDIAN SPRINGS
(C-21- 4)25CD		
(C-21- 4)26A		
(C-21- 4)36BC		WATERCRESS SPRING
(C-21- 6)27A		
(C-21- 6)33C		SQUIDIKE SPRINGS
(C-21-10)12		
(C-21-10)13		
(C-21-10)19		
(C-21-10)22		
(C-21-10)24		
(C-22- 1) 1		
(C-22- 2) 1		
(C-22- 2)11		
(C-22- 3) 3A	(E)	
(C-22- 3) 5D	(E)	
(C-22- 3) 6B	(E)	
(C-22- 3) 6B	(E)	
(C-22- 3) 8A	(E)	
(C-22- 3)10B	(E)	
(C-22- 3)12B	(E)	LONEPINE SPRINGS
(C-22- 3)14B		
(C-22- 3)21A	(E)	
(C-22- 3)23D	(E)	
(C-22- 4) 1CC		
(C-22- 4) 8BD		
(C-22- 4)10A		
(C-22- 4)20DB		
(C-22- 4)33D		
(C-22- 4)34D		WALKER SPRINGS
(C-22- 6)11D		
(C-22- 6)26CCC & 27DDD		HOT SPRINGS
(C-22- 6)35D		HOT SPRING
(C-22-19)33B		CLAY SPRING
(C-23- 1) 6		
(C-23- 1) 8		
(C-23- 1)16		
(C-23- 1)20		
(C-23- 1)21		
(C-23- 1)28		
(C-23- 2)12BBC		BLACK KNOLL SPRING
(C-23- 2)23		HERRINS HOLE SPRING
(C-23- 2)25BDB		INDIAN CREEK SPRING
(C-23- 2)25CCA		PARCELL CREEK SPRING
(C-23- 2)26		
(C-23- 2)27CCD		COVE SPRING

Table 1. continued

	SPRING LOCATION		SPRING NAME
	(C-23- 2)28DAD		
	(C-23- 2)28DDD		
	(C-23- 2)33D		
	(C-23- 2)34D,28D & 27C		
	(C-23- 2)35		
	(C-23- 2)36CBD		GLENWOOD SPRING
	(C-23- 3) 4B		
	(C-23- 3)26ACA		RICHFIELD WARM SPRING
	(C-23- 4) 3B		
	(C-23- 4) 8B		INDIAN SPRINGS
	(C-23- 4)16A		
	(C-23- 4)19A		CRAZY HOLLOW SPRINGS
R	(C-23- 4)11A		
R	(C-23- 4)35B		LEAVITTS
	(C-23- 5)12C		MORTENSEN SPRINGS
	(C-23- 5)14D		FRANK BARNEY SPRING
	(C-23- 6) 2D		
	(C-23- 6) 8B		
	(C-23- 8)23D		TWIN PEAK SPRINGS
	(C-23- 9)27		
	(C-23- 9)33		
	(C-23- 9)34		
	(C-24- 1) 9		
	(C-24- 1)27		
	(C-24- 2) 4CBD		SPRING HILL SPRING
	(C-24- 3)24CCA		CENTRAL SPRINGS
	(C-24- 3)25		
	(C-24- 4) 3D		MUD SPRINGS
	(C-24- 4)11B		ROCK SPRINGS
	(C-24- 4)18A		TRAIL SPRINGS
	(C-24- 4)18D		CAVE SPRINGS
	(C-24- 4)20D		POND SPRINGS
	(C-24- 4)23B		
	(C-24- 4)29B		
	(C-24- 4)29D		
	(C-24- 4)32BBB		GOOSEBERRY SPRINGS
R	(C-24- 4) 2B		WATTS SPRINGS
R	(C-24- 4)24D		
R	(C-24- 4)35B		
	(C-24- 5) 3A		DEWAL SPRING
	(C-24- 5)25D		
	(C-24- 5)28A		BULL VALLEY SPRINGS
	(C-24- 5)32B		RED CEDAR SPRINGS
	(C-24- 5)33D		
	(C-24- 6)19D		
	(C-24- 9) 3		
	(C-24- 9) 4		
	(C-24-10)22		
	(C-24-10)25		
	(C-24-13) B	(E)	
	(C-24-20) 1D		NEEDLE POINT SPRING
	(C-25- 1)26BC		BURR SPRINGS
	(C-25- 2) 7C		
	(C-25- 2)17B		
	(C-25- 2)20A		
	(C-25- 2)20D		
	(C-25- 2)27		
	(C-25- 2)28B		
	(C-25- 2)29A		
	(C-25- 2)33A		
	(C-25- 3)10DDA & 15A		MONROE HOT SPRINGS
	(C-25- 3)11CAC		RED HILL HOT SPRING
	(C-25- 3)25BCA		COLD SPRING
	(C-25- 3)27A		JOHNSON WARM SPRING
	(C-25- 3)27D		
	(C-25- 3)34CCD		OLSEN SPRING
	(C-25- 4)23AAC		JOSEPH HOT SPRINGS
R	(C-25- 4) 4C		BUTLER SPRINGS
	(C-25- 5) 3D		
	(C-25- 5) 8D		
	(C-25- 5) 9A		
	(C-25- 5)10D		
	(C-25- 9) 9		ANTELOPE SPRING
	(C-25- 9)11		
	(C-25-11)31		
	(C-25-12)29		
	(C-25-12)30D		JAMES SPRINGS
	(C-25-12)34D		HIGHROCK SPRINGS
	(C-25-12)35C		ARMSTRONG SPRINGS
	(C-25-13)36C		PITCHFORK SPRINGS
	(C-26- 1)13C		RED CEDAR GROVE SPRINGS
	(C-26- 2)17B		
	(C-26- 2)19		
	(C-26- 2)20A		
	(C-26- 2)21B & 16D		

	SPRING LOCATION		SPRING NAME
	(C-26- 2)21D		
	(C-26- 2)22D		
	(C-26- 2)28B & C		
	(C-26- 2)30		
	(C-26- 2)32 & 33		
R	(C-26- 2)	(E)	MUD SPRINGS
R	(C-26- 2) 4		
R	(C-26- 2)28		
	(C-26- 4)23B		FIRST SPRING
R	(C-26- 4)29C		MAPLE SPRINGS
R	(C-26- 4)34B		
	(C-26- 5)13C		MUD SPRINGS
	(C-26- 6) 7		SULPHURDALE SPRINGS
	(C-26- 6)17D		SOUTH SPRING
	(C-26- 6)20D		DEAD COW SPRING
	(C-26- 9)34DCB		ROOSEVELT (MCKEANS) HOT SPRINGS
	(C-26-10)36CC	(E)	
	(C-26-11) 4		
	(C-26-11)10DDB		
	(C-26-11)19D		WEST SPRINGS
	(C-26-11)20D		DOUGLAS SPRINGS
	(C-26-11)29A		SMITH SPRINGS
	(C-26-11)29C		BROWNFIELD TUNNEL SPRINGS
	(C-26-11)29D		BARDSLEY SPRINGS
	(C-26-11)33		
	(C-26-12) 5B		
	(C-26-12)10B		
	(C-26-12)10D		THREE KILNS
	(C-26-12)11		
	(C-26-12)19D		
	(C-26-12)30D		
	(C-26-13)22A		CRYSTAL SPRINGS
	(C-26-13)24B		HORSE SPRINGS
	(C-26-13)26C		MOREHOUSE SPRINGS
	(C-26-13)35BA		MOREHOUSE SPRING
	(C-27- 1) 1AB		KOOSHAREM SPRINGS
	(C-27- 1) 8ADB		BRINDLEY SPRINGS
	(C-27- 1)35A		PARKER MOUNTAIN SPRINGS
	(C-27- 2)21		ROCK SPRINGS
	(C-27- 2)32		
	(C-27- 2)33		MUD SPRINGS
R	(C-27- 2)	(E)	
R	(C-27- 2) 3B		
R	(C-27- 2) 5		WILLOW SPRINGS
R	(C-27- 2)10D		
R	(C-27- 2)23	(E)	
	(C-27- 3)12 & 13		DURKEE SPRINGS
	(C-27- 3)17DCB		TAYLOR POND SPRINGS
	(C-27- 3)18		COLD SPRINGS
	(C-27- 3)29 & 32		
R	(C-27- 4)36CCA		BIG SPRING
	(C-27- 5) 4B		
	(C-27- 6) 8AB		COVE SPRING
	(C-27- 6)18D		MUD SPRINGS
	(C-27- 7) 8		FOUR MILE SPRINGS
	(C-27- 7)13B	(E)	MUD SPRING
	(C-27- 8) 4		WILLOW SPRINGS
	(C-27- 8) 7B		BAILEY SPRINGS
	(C-27- 8) 8C		OLD INDIAN SPRING
	(C-27- 8) 8C		JACK RABBIT SPRINGS
	(C-27- 8)10D		FALLOUT SPRING
	(C-27- 8)12A		COWBOY SPRING
	(C-27- 8)12C		WIREGRASS SPRINGS
	(C-27- 8)13D		HAWKSNEST SPRINGS
	(C-27- 8)16A		MATTHEW SPRING
	(C-27- 9)25B		WILD HORSE SPRINGS
	(C-27- 9)27D		KIRK SPRING
	(C-27-12) 6C		COYOTE SPRING
	(C-27-13)24A		
	(C-27-13)26C		SQUAW SPRINGS
	(C-27-15) 1		
	(C-27-15) 2		
	(C-27-15)10A		WAH WAH SPRINGS
	(C-27-15)12		
	(C-27-17)11		
	(C-27-18)27		
	(C-27-18)28		
	(C-27-18)35		
	(C-27-19)	(E)	CABIN SPRING
	(C-27-19)	(E)	NIX SPRING
R	(C-28- 2)27		SEVY SPRING
	(C-28- 3)12A		
	(C-28- 4)11A		
	(C-28- 4)25A		GIBBS SPRINGS

Table 1. continued

SPRING LOCATION	SPRING NAME
(C-28- 4)26	
(C-28- 5)11	
(C-28- 5)14,15	
(C-28- 6) 4CD	PINE HEN SPRING
(C-28- 6)32A	
(C-28- 8) 6	BETTY SPRING
(C-28- 8) 6C	BOULDER SPRING
(C-28- 8) 6C	GRANITE ROCK SPRING
(C-28- 8)30D	MUD SPRINGS
(C-28- 9)11B	WYCROFT SPRING
(C-28- 9)12A	WEST PARK SPRING
(C-28- 9)14D	ROCK CORRAL SPRING
(C-28- 9)23D	MCEWAN SPRING
(C-28- 9)29CA	GRIFFITH SPRING
(C-28-11)24 & 25	TADPOLE SPRINGS AREA
(C-28-12)29D	WOODHOUSE SPRINGS
(C-28-13)18A	ANTELOPE SPRING
(C-28-15) 9	
(C-28-15)21	
(C-28-15)35	
(C-28-15)36	
(C-28-16)31	
(C-28-16)33	
(C-28-17)30	
(C-28-18) 2	
(C-28-18) 4	
(C-28-18)20	
(C-28-18)21	
(C-28-18)25	
(C-28-18)27	
(C-28-19) 3	
(C-29- 1)24	
(C-29- 1)34	
R (C-29- 2)11C	SWIFT SPRING
R (C-29- 2)24D	FORSHEA SPRINGS
(C-29- 3)16CCB	BARNSON SPRINGS
(C-29- 4) 3	BUMBLEBEE SPRINGS
(C-29- 4)10D	PRICE SPRINGS
(C-29- 2)15CDB	POLE CANYON SPRINGS
(C-29- 4)20	BAKER SPRINGS
(C-29- 4)21AAC	SAWMILL SPRING
(C-29- 4)32DC	
(C-29- 5) 4	
(C-29- 5) 5C	
(C-29- 5) 6	
(C-29- 6)12B	ALLRED SPRINGS
(C-29- 7)21BAA	
(C-29- 7)21CAD	
(C-29- 7)21CBD	
(C-29- 7)21CDB	
(C-29- 7)21D	
(C-29- 9) 9CB	JIMMY JONES SPRING
(C-29- 9)11	GRANITE SPRING
(C-29- 9)11B	CHERRY CREEK SPRING
(C-29- 9)14C	LIMESTONE SPRING
(C-29- 9)16A	POLE LINE SPRING
(C-29- 9)17BC	GUYO SPRING
(C-29- 9)19B	OAK SPRING
(C-29- 9)20DC	
(C-29- 9)21A	DRIPPING SPRING
(C-29- 9)33D	PLUNGE SPRINGS
(C-29- 9)36DCC	
(C-29-10)12BA	
(C-29-10)13CD	SHEARING CORRAL SPRINGS
(C-29-10)24CA	NORTH SPRINGS
(C-29-11)10 & 15	HAYS SPRINGS AREA
(C-29-12) 9C	WHEELER SPRINGS
(C-29-13) 2B	
(C-29-13)15A	MERTONS SPRING
(C-29-15) 1	
(C-29-15) 2	
(C-29-15) 2D	WILLOW SPRING
(C-29-15) 9	
(C-29-15)11	
(C-29-15)13	
(C-29-15)28	
(C-29-15)29	
(C-29-16) 2	
(C-29-16)16	
(C-29-16)29	
(C-29-17) 1	
(C-29-18) 7	
(C-29-18) 8	
(C-29-18)16	
(C-29-18)20	
(C-29-18)27	

SPRING LOCATION	SPRING NAME
(C-29-18)29	
(C-29-18)31	
(C-29-18)33	
(C-30- 1) 2	
(C-30- 1) 5B	PETE'S SPRING NO. 1
(C-30- 1) 7	
(C-30- 2) 8	
(C-30- 3)17CBA	MITCHELL SLOUGH
(C-30- 2)17D	
(C-30- 3)24	KINGSTON SPRING
(C-30- 4) 3B	OAK BASIN SPRINGS
(C-30- 4)10	
(C-30- 4)16AB	CIRCLEVILLE SPRING
(C-30- 4)18BD	
(C-30- 4)21C	WADES CANYON SPRINGS
(C-30- 5) 1CA	
(C-30- 5) 9DAC	NORTH LEFEVRE SPRING
(C-30- 5)35ABB	MARSHALL SLOUGH
(C-30- 6) 6	
(C-30- 6)30	
(C-30- 9) 7ACA	RADIUM (DOTSON'S) WARM SPRINGS
(C-30- 9)11B	
(C-30- 9)18C	
(C-30- 9)19BDA	
(C-30- 9)26B	STEWART SPRINGS
(C-30- 9)31D	WILLOW SPRINGS
(C-30- 9)32D	JOADS SPRING
(C-30-12)21 & 28	THERMO HOT SPRINGS
(C-30-14) 7	
(C-30-14) 8	
(C-30-14)17	
(C-30-14)22	
(C-30-16)26	
(C-30-16)35	
(C-30-17)33	
(C-30-18) 4	
(C-30-18)10	
(C-30-18)30	
(C-30-18)36	
(C-30-19)24	
(C-31- 1) 5	
(C-31- 1)28	
(C-31- 1)29	
(C-31- 2)19BB	ANTIMONY SPRINGS
(C-31- 2)27CA	CLARK SPRINGS
(C-31- 3)28	
(C-31- 3)35	
(C-31- 4) 9CB	
(C-31- 5)18	
(C-31- 6) 5	
(C-31- 6) 7	
(C-31- 6)24	
(C-31- 7)34	
(C-31- 8)16A	
(C-31- 8)18	
(C-31- 8)18C	JACK HENRY SEEPS
(C-31- 8)22	
(C-31- 8)23	
(C-31- 8)28	
(C-31- 8)29C	DECKER SPRINGS
(C-31- 8)31B	LISTER SPRINGS
(C-31- 8)32C	
(C-31- 9) 3C	BIG MAPLE SPRINGS
(C-31- 9) 5AD	LITTLE MAPLE SPRING
(C-31- 9) 5BB	WIRE GRASS SPRING
(C-31- 9) 5D	LITTLE MAPLE SPRINGS
(C-31- 9) 9D	RYAN SPRINGS
(C-31- 9)10D	THE SEEPS
(C-31- 9)23C	CHIPMAN SEEPS
(C-31- 9)24D	GUYMAN SEEPS
(C-31-10) 8B	DRY WILLOW SPRINGS
(C-31-10)19	BABOON SEEP
(C-31-14) 7	
(C-31-14)29	
(C-31-15) 5	
(C-31-15) 6	
(C-31-15)12	
(C-31-15)13	
(C-31-15)25	
(C-31-15)32	
(C-31-15)34	
(C-31-16) 3	
(C-31-16)10	
(C-31-16)33	

Table 1. continued

SPRING LOCATION		SPRING NAME
(C-31-17) 3		
(C-31-17) 4		
(C-31-17) 6		
(C-31-17) 8		
(C-31-17)15		
(C-31-17)16		
(C-31-17)19		
(C-31-17)35		
(C-31-18) 5		
(C-31-18)10		
(C-31-18)18		
(C-31-19) 7		
(C-31-19)31		
(C-32- 1)27		
(C-32- 1)27BD		
(C-32- 2) 2ACD		
(C-32- 2)11BA		ANT CREEK SPRING
(C-32- 2)11CD		GLEAVE SPRING
(C-32- 2)23ADB		DEER CREEK SPRING
(C-32- 3)31		
(C-32- 4) 5		
(C-32- 4)21	(E)	BULLRUSH SPRING
(C-32- 5) 1CC		
(C-32- 5) 1DCA		
(C-32- 5)17		
(C-32- 5)18		
(C-32- 5)19		
(C-32- 5)23BAA		HAWKINS SPRING
(C-32- 5)35ABB		MARSHALL SLOUGH
(C-32- 5)35D		VEATER SLOUGH
(C-32- 6) 8		
(C-32- 6)11		
(C-32- 8) 5B		COTTONWOOD SPRINGS
(C-32- 9)10D		WILLOW SPRINGS
(C-32- 9)11A		
(C-32- 9)14A		KANE SPRINGS
(C-32- 9)21A		JACK RABBIT SPRINGS
(C-32-11)22CD		LOST SPRING
(C-32-12)34DB		MUD SPRING
(C-32-13)13		
(C-32-13)26		
(C-32-14) 1		
(C-32-15) 1		
(C-32-15) 8		
(C-32-15) 9		
(C-32-15)10		
(C-32-15)29		
(C-32-16) 8		
(C-32-16) 9		
(C-32-16)11		
(C-32-16)12		
(C-32-17)19		
(C-32-17)21		
(C-32-17)27		
(C-32-17)30		
(C-32-18)11		
(C-32-18)15		
(C-32-18)24		
(C-32-18)25		
(C-32-18)28		
(C-32-18)32		
(C-32-18)33		
(C-32-18)34		
(C-32-19) 7		
(C-32-19)30		
(C-33- 1) 1DD		IRON SPRINGS
(C-33- 1) 4DA		
(C-33- 1) 4DB		
(C-33- 1) 7DD		
(C-33- 1)10BB		
(C-33- 1)21BA		
(C-33- 1)24DC		
(C-33- 1)25AB		
(C-33- 1)25CB		THREE SPRINGS
(C-33- 1)25DB		
(C-33- 1)26BD		
(C-33- 1)26CB		GRIFFIN SPRINGS
(C-33- 1)28BC		
(C-33- 1)28DD		
(C-33- 1)29BA		
(C-33- 1)29DA		
(C-33- 1)34AC		
(C-33- 1)34BC		
(C-33- 2)26BA		COUGAR SPRING
(C-33- 2)26CB		

SPRING LOCATION	SPRING NAME
(C-33- 4) 4	
(C-33- 4) 5	
(C-33- 5) 9DAC	NORTH LEFEVRE SPRING
(C-33- 5) 9DCC	SOUTH LEFEVRE SPRING
(C-33- 5)16CDC	TEBBS SPRING
(C-33- 5)17	
(C-33- 5)17AC	
(C-33- 6) 5CCB	BEAR CREEK SPRINGS
(C-33- 6)31	
(C-33- 7) 1	
(C-33- 7)28	
(C-33- 8) 8	
(C-33- 8)34	
(C-33- 9)24	
(C-33-15)16	
(C-33-17) 3C	CAVE SPRINGS
(C-33-18)10	
(C-33-18)11	
(C-33-18)14	
(C-33-18)28	
(C-33-18)31	
(C-33-18)32	
(C-33-18)33	
(C-34- 1)16DA	
(C-34- 1)28BC, BD	
(C-34- 1)28CD	
(C-34- 1)29AA	
(C-34- 1)33AA	
(C-34- 2)33A	
(C-34- 3)11	
(C-34- 3)26	
(C-34- 3)27DDC	TOM BEST SPRING
(C-34- 5)15	
(C-34- 5)34AAC	RIGGS SPRING
(C-34- 6)15	
(C-34- 6)18C	PANGUITCH SPRING
(C-34- 6)21ACA	FIVE-MILE TROUGH SPRINGS
(C-34- 6)27	
(C-34- 8)34	
(C-34- 9)22	
(C-34- 9)23	
(C-34- 9)24	
(C-34- 9)31	
(C-34- 9)32	
(C-34- 9)34	
(C-34-10) 5	
(C-34-10) 6	
(C-34-10)19	
(C-34-11)12	
(C-34-18)30	
(C-34-18)32	
(C-34-19) 5	
(C-34-19) 8	
(C-34-19)13	
(C-34-19)23	
(C-34-19)25	
(C-35- 2) 2	
(C-35- 2)19	
(C-35- 2)19AA	DIPPING VAT SPRING
(C-35- 2)20	
(C-35- 3) 8	
(C-35- 3) 8	
(C-35- 3)19	
(C-35- 3)19	
(C-35- 4)27	
R(C-35- 4)19CBC	RED CANYON SPRING
R(C-35- 4)25BD	
R(C-35- 4)26AB	
(C-35- 5)10	
(C-35- 5)14AC	CASTO SPRINGS
(C-35- 6)19	
(C-35- 5)24DC	WATERCRESS SPRING
(C-35- 5)25AB	MYERS SPRINGS
(C-35- 6)28A	MUD SEEPS
(C-36- 5)28C	HATCH SPRING
(C-35- 6)29	
(C-35- 6)32A	ROCK SPRINGS
(C-35- 6)33A	
(C-35- 7)10	
(C-35- 7)17DA	
(C-35- 8) 5	
(C-35- 8)25C	
(C-35- 8)31C	PARADISE SPRING
(C-35- 9) 6	
(C-35- 9)18	

Table 1. continued

SPRING LOCATION		SPRING NAME
(C-35- 9)19A,C		
(C-35- 9)22A		
(C-35- 9)27C		
(C-35- 9)30		
(C-35- 9)30C		
(C-35- 9)31		
(C-35- 9)32		
(C-35- 9)33		
(C-35- 9)33D		
(C-35- 9)36		
(C-35-10) 1		
(C-35-10) 5		
(C-35-10) 6B & C		MINNIE SPRINGS
(C-35-10) 6DA		CLARKS SPRING
(C-35-10) 7AC		BELL SPRINGS
(C-35-10) 7AC		JONES SPRING
(C-35-10) 7B		MINNIE SPRINGS
(C-35-10)11		
(C-35-10)12		
(C-35-10)13		
(C-35-10)15		
(C-35-10)18		
(C-35-10)21		
(C-35-10)22		
(C-35-10)24		
(C-35-10)25		
(C-35-10)27		
(C-35-10)28		
(C-35-10)34		
(C-35-10)34D		
(C-35-10)35		
(C-35-10)36A		GROUSE SPRING
(C-35-10)36D		
(C-35-11) 1AC		
(C-35-12)19A		
(C-35-12)20BB & 17CC		IRON SPRING
(C-35-14) 6CD		ANTELOPE SPRINGS
(C-35-14) 7CA & DB		ROCK SPRINGS
(C-35-14) 8C		
(C-35-14)16DB		
(C-35-15)13DA		
(C-36- 3) 4CBA		KING SPRING
(C-36- 3)22		
(C-36- 3)33		
(C-36- 3)36		
(C-36- 4)19		
(C-36- 4)34		
R(C-36- 4)15BC		
R(C-36- 4)28CD		
(C-36- 5) 3		
(C-36- 5)14C		JOHNSON CREEK SPRINGS
(C-36- 5)22A		PROCTOR SPRINGS
(C-36- 5)23		
(C-36- 6) 4A		
(C-36- 6)15D		
(C-36- 6)18C		JOHN CAMERON TROUGH
(C-36- 6)18D		
(C-36- 6)21D		SERVICEBERRY SPRINGS
(C-36- 6)22A		LIMESTONE SPRINGS
(C-36- 6)30C		MILLER SEEPS
(C-36- 6)33B		
(C-36- 7) 8C		
(C-36- 7) 9B		
(C-36- 7)10C		
(C-36- 7)13C		
(C-36- 7)18ACB		BLUE SPRINGS
(C-36- 7)19A		TAYLOR SPRINGS
(C-36- 7)22B		CAMERON TROUGH
(C-36- 7)23B		BIRCH SPRINGS
(C-36- 7)30B		YELLOWJACKET SPRINGS
(C-36- 7)31DAC		MAMMOTH SPRING
(C-36- 8)11B		
(C-36- 8)30A		
(C-36- 8)30D		
(C-36- 8)31D		
(C-36- 9) 1B		
(C-36- 9) 5C		
(C-36- 9) 9D		
(C-36- 9)12CC		BRIAN HEAD SPRING
(C-36- 9)19D		
(C-36-10)11A		EAGLE SPRING
(C-36-10)11D		BLUEHILL SPRING
(C-36-10)13D		
(C-36-10)29BCB		
(C-36-10)29BCD		
(C-36-10)29DC		
(C-36-10)32BC		
(C-36-10)33C		
(C-36-10)34D		
(C-36-10)35A		
(C-36-10)36C		
(C-36-11)23AA		
(C-36-11)35AB		
(C-36-11)36AB		
(C-36-12)33CC		
(C-36-12)33DB		
(C-36-13)31AA		OAK SPRING
(C-36-14) 2	(E)	
(C-36-14)16	(E)	JOEL SPRINGS
(C-36-15)22CAD		
(C-36-16)13		
(C-36-16)24		
(C-36-16)30		
(C-36-16)31		
(C-36-16)32		
(C-36-16)36		
(C-36-18)29		
(C-37- 1) 8D	(E)	HENRIEVILLE SPRING
(C-37- 1) 9B	(E)	
(C-37- 2) 6C		
(C-37- 2)18		
(C-37- 2)19		
(C-37- 3) 1		
(C-37- 3) 5		
(C-37- 4)17BBA		COLD SPRING
(C-37- 4)32		
(C-37- 5) 1		
(C-37- 5) 2		
(C-37- 5)32		
(C-37- 6)15C		
(C-37- 6)18B		WILSON SPRINGS
(C-37- 6)19C		
(C-37- 6)32DAC		UPPER ASAY SPRING
(C-37- 6)33BC		LOWER ASAY SPRING
(C-37- 6)33DDC		CUB SPRINGS
(C-37- 7)12A		
(C-37- 7)23D		
(C-37- 7)33A		BOWER SPRINGS
(C-37- 8) 1A		BIG SPRINGS
(C-37- 8) 3A		
(C-37- 8)10C		
(C-37- 8)12C		
(C-37- 8)13C		
(C-37- 8)22B		
(C-37- 8)25A		
(C-37- 8)26C		DRY CAMP VALLEY SPRINGS
(C-37- 8)27C		ANDERSON SPRINGS
(C-37- 8)30C		
(C-37- 9) 4B		
(C-37- 9) 8D		CRYSTAL SPRING
(C-37- 9)13C		
(C-37- 9)14D		
(C-37- 9)20A		GLENDALE SPRING
(C-37- 9)20C		
(C-37- 9)20D		
(C-37- 9)28A		
(C-37- 9)33B		
(C-37- 9)34C		
(C-37- 9)35C		SIMPKINS SPRING
(C-37-10) 1		
(C-37-10) 4D		
(C-37-10) 5		LOWER WILL WILLIAM SPRING
(C-37-10) 5BD		UPPER BARNSON SPRING
(C-37-10) 9A		
(C-37-10)12B		
(C-37-10)15C		
(C-37-10)16A		
(C-37-10)17,18		
(C-37-10)22D		
(C-37-10)26D		
(C-37-10)28D		
(C-37-10)29CA		
(C-37-10)30BD		
(C-37-10)30D		
(C-37-10)31BDD	(E)	
(C-37-10)32DB		
(C-37-10)34A		
(C-37-10)36A		
(C-37-11) 1DA		COOKS SPRINGS
(C-37-11)21CC		

Table 1 continued

SPRING LOCATION		SPRING NAME
(C-37-11)23AA		
(C-37-11)23BB		
(C-37-11)23DB		
(C-37-11)24BBB		
(C-37-11)24DB		
(C-37-11)25AB		
(C-37-11)25BD		
(C-37-11)26DC & DD		
(C-37-11)29CD		OAK SPRING
(C-37-11)32DD		
(C-37-11)33B		
(C-37-11)33C		
(C-37-11)35AA		
(C-37-12) 3CC		
(C-37-12) 4BA		
(C-37-12) 4BBB		
(C-37-12) 4BBD		
(C-37-12) 4BDC		
(C-37-12) 4CB		
(C-37-12) 4D		POOR SPRING
(C-37-12) 9AA		
(C-37-12) 9BA		
(C-37-12) 9D		
(C-37-12)10AC		
(C-37-12)10BB		
(C-37-12)33AB		
(C-37-12)33AC		
(C-37-12)33DC		
(C-37-12)36		
(C-37-13)22B		
(C-37-14)21AD		
(C-37-14)28CC		LOCKERIDGE SPRING
(C-37-14)29BD		COTTONWOOD SPRING
(C-37-14)34BD		
(C-37-15)24BB		KANE SPRING
(C-37-16) 2		
(C-37-16)12		
(C-37-17) 3		
(C-37-17)18		
(C-37-17)25		
(C-37-17)27DAA		LITTLE PENDLETON SPRING
(C-37-17)29		
(C-37-18) 8		
(C-37-18) 9		
(C-37-18)16		
(C-37-18)17		
(C-37-18)18		
(C-37-18)20		
(C-37-18)22		
(C-37-18)35		
(C-37-19)35		
(C-38- 4)11		
(C-38- 4)33		
(C-38- 5) 3DD		
(C-38- 5) 5BA		
(C-38- 5)10CD		
(C-38- 5)15AA		
(C-38- 5)15DA		
(C-38- 5)16		
(C-38- 5)20AA		
(C-38- 5)21		
(C-38- 5)23CD		HEADWATERS SPRING
(C-38- 5)27AD		
(C-38- 5)30DDB		
(C-38- 5)30DDD		
(C-38- 5)33CA		
(C-38- 5)33CB		
(C-38- 5)34DA		
(C-38- 5)35BB		
(C-38- 6) 4D		
(C-38- 6) 9A		
(C-38- 6) 9D		
(C-38- 6)10C		
(C-38- 6)15B		
(C-38- 6)17B		
(C-38- 6)23D		GRAVEL SPRINGS
(C-38- 6)25CCC		ALTON MAIN SPRING
(C-38- 6)26DDD		ALTON WEST SPRING
(C-38- 6)27BAD		
(C-38- 6)34C		
(C-38- 6)35BCC		
(C-38- 7)14B		COLD SPRINGS
(C-38- 7)20CB, 20CC		
(C-38- 7)30DCB		
(C-38- 8)12CD		DUCK CREEK SPRING
(C-38- 8)17		
(C-38- 8)17DD		CASCADE SPRING
(C-38- 8)18C		
(C-38- 8)19DA		
(C-38- 9) 9C		
(C-38- 9)10A		MEADOW SPRING
(C-38- 9)12B		ELDERBERRY SPRING
(C-38- 9)12D		
(C-38- 9)15D		BEAR SPRING
(C-38- 9)23BB		LOWER BEAR SPRING
(C-38- 9)27AA		
(C-38- 9)27AA		UPPER BEAR SPRING
(C-38- 9)29BD		
(C-38- 9)32CD		
(C-38- 9)35AA		
(C-38-10) 7		CRYSTAL SPRING
(C-38-10) 8B		
(C-38-10) 8B		
(C-38-10)13A		BIG SPRING
(C-38-10)15D		
(C-38-10)16A,D		
(C-38-10)17A,D		
(C-38-10)18B		
(C-38-10)18D		
(C-38-11) 1BB		DAY SPRING
(C-38-11) 2C		CO-OP SPRINGS
(C-38-11) 2CC		KOLOB SPRING
(C-38-11) 4AB		
(C-38-11) 7A		SWEETWATER SPRING
(C-38-11) 9AB		
(C-38-11) 9DD		
(C-38-11)12D		
(C-38-11)15BB		
(C-38-11)15D		
(C-38-12) 4DA		
(C-38-12)33A		
(C-38-13)35D		SAWYER SPRINGS
(C-38-14) 1	(E)	
(C-38-14) 4	(E)	
(C-38-14) 4	(E)	OX SPRING
(C-38-14) 5	(E)	PARADISE SPRING
(C-38-14) 6	(E)	PINTO SPRING
(C-38-14) 9		ROCK SPRINGS
(C-38-14)10	(E)	SLEW SPRINGS
(C-38-14)20A		BENCH SPRING
(C-38-15)30		
(C-38-15)31		
(C-38-15)36		
(C-38-16) 2		
(C-38-16) 3		
(C-38-16)14		
(C-38-16)22		
(C-38-16)25		
(C-38-16)26		
(C-38-16)36		
(C-38-17) 1		
(C-38-17)12		
(C-38-17)20		
(C-38-17)23		
(C-38-17)26		
(C-38-18) 9		
(C-38-18)27		
(C-38-19) 7		
(C-38-19) 9		
(C-38-19)10		
(C-38-19)11		
(C-38-19)18		
(C-38-19)21		
(C-38-19)23		
(C-38-19)24		
(C-38-19)26		
(C-38-19)34		
(C-38-19)35		
(C-38-19)36		
(C-39- 3)11		
(C-39- 3)15		
(C-39- 4) 9		
(C-39- 4)15		
(C-39- 4)21ACC		SAW MILL SPRING
(C-39- 4)26		
(C-39- 4)30		
(C-39- 4)32		
(C-39- 4)33		
(C-39- 4)35		
(C-39- 5) 2BC		

Table 1 continued

SPRING LOCATION		SPRING NAME
(C-39- 5) 3AD		
(C-39- 5) 3DA		
(C-39- 5) 4AC		
(C-39- 5)10DAC		
(C-39- 5)10DDA		
(C-39- 5)15AC		
(C-39- 5)20BAC		
(C-39- 5)20BBC		
(C-39- 5)20BCB		
(C-39- 5)20BCC		
(C-39- 5)20CCC		
(C-39- 5)20DBB		
(C-39- 5)22CAA		
(C-39- 5)25		
(C-39- 5)26BAD		
(C-39- 5)26DA, DC		
(C-39- 5)26DB		
(C-39- 5)27		
(C-39- 5)29BBA		
(C-39- 5)29BCA		
(C-39- 5)30DDA		
(C-39- 5)32BBC		
(C-39- 5)33		
(C-39- 5)34		
(C-39- 6) 7DCB		
(C-39- 6) 9BDD		
(C-39- 6) 9CCA		
(C-39- 6)10A		
(C-39- 6)10C		
(C-39- 6)13BB		
(C-39- 6)16A		
(C-39- 6)16D		JOLLY SPRINGS
(C-39- 6)17DBD		
(C-39- 6)30D		
(C-39- 7)15CBC		
(C-39- 7)15CCA		
(C-39- 7)16ABD		
(C-39- 7)16BAA		
(C-39- 7)17C, 20B		EAST BRANCH SPRING
(C-39- 7)17CDA		
(C-39- 7)18BD, 19AA		
(C-39- 7)18D		
(C-39- 7)19BA		
(C-39- 7)19BB		
(C-39- 7)20BCC		
(C-39- 7)21ACB		CURRANT SPRINGS
(C-39- 7)25CCC		
(C-39- 7)26ABB		
(C-39- 7)26ABD		
(C-39- 7)26CCB		
(C-39- 7)26CDC		
(C-39- 7)26DAA		
(C-39- 7)26DAD		
(C-39- 7)26DDA		
(C-39- 7)27BBB		HIDDEN SPRING
(C-39- 7)28D		DEER SPRINGS
(C-39- 7)30BCC		ASPEN SPRING AREAS
(C-39- 7)31BAC		BIRCH SPRING
(C-39- 7)35AAB		
(C-39- 7)36ACA		
(C-39- 7)36ACB		
(C-39- 7)36ADB		
(C-39- 7)36BBB		
(C-39- 7)36CBB		
(C-39- 8) 5AB		BIG SPRINGS
(C-39- 8)12B		TWIN SPRINGS
(C-39- 8)17BC		
(C-39- 8)25C		TROUGH SPRINGS
(C-39- 8)25CBD		
(C-39- 8)25DCA		CHOKE CHERRY SPRINGS
(C-39- 8)29CD		
(C-39- 8)31AA		
(C-39- 9) 4AA		
(C-39- 9)23AB		
(C-39- 9)24CB		
(C-39-10) 5CA		
(C-39-10)16BA		
(C-39-11)13BAB		BLUE SPRINGS
(C-39-12)35CC		
(C-39-13) 4B		
(C-39-13) 6C		
(C-39-13)18A		SAYLOR SPRING
(C-39-13)28B		
(C-39-14)		FIRST WATER
(C-39-14)		SECOND WATER
(C-39-16) 2		
(C-39-16)11		
(C-39-16)12		
(C-39-16)21		
(C-39-16)25		
(C-39-17)29AB		CEDAR SPRING
(C-39-17)31DB		GRAPEVINE SPRINGS
(C-39-17)32AB		EIGHT MILE SPRING
(C-39-18)22		
(C-39-18)23		
(C-39-19)33		
(C-39-19)36		
(C-40- 1) 4CC	(E)	
(C-40- 1)14C	(E)	
(C-40- 1)16CB		
(C-40- 1)22D	(E)	
(C-40- 1)23BB	(E)	
(C-40- 1)23BC	(E)	
(C-40- 1)23DD	(E)	
(C-40- 2)29DCB		
(C-40- 2)30CDC		
(C-40- 2)33BAA		
(C-40- 3) 4		
(C-40- 3) 5		
(C-40- 4) 1		
(C-40- 4) 3		
(C-40- 4) 4		
(C-40- 4) 7		
(C-40- 4) 9		
(C-40- 4)14		
(C-40- 5) 2DCA		
(C-40- 5) 2DCD		
(C-40- 5) 4DB		ELBO SPRING
(C-40- 5) 5BCD		
(C-40- 5) 6AA		
(C-40- 5) 6DAA		
(C-40- 5) 8DD		SPANIARD SPRING
(C-40- 5) 9		
(C-40- 5) 9AA		FISHER SPRING
(C-40- 5)10		
(C-40- 5)11		
(C-40- 5)11BC		FULLER SPRINGS
(C-40- 5)11BD		
(C-40- 5)36DC		
(C-40- 6) 7DAB		
(C-40- 6)33BCA		
(C-40- 6)33BCD		
(C-40- 6)33CBA		
(C-40- 6)33DBD		
(C-40- 6)35AC		
(C-40- 7) 3CCC		
(C-40- 7)10DAD		
(C-40- 7)10DDA		BIG SPRING
(C-40- 7)11CBC		
(C-40- 7)11DBB		HIDDEN LAKE SPRING
(C-40- 7)14ACC		
(C-40- 7)25A		
(C-40- 7)25ADB		
(C-40- 7)26CDD		ORDERVILLE SPRING
(C-40- 7)28ABD		
(C-40- 7)28ADC		
(C-40- 7)28DBA		
(C-40- 7)33AAD		
(C-40- 7)33ADA		
(C-40- 7)34BAD		
(C-40- 7)34BCB		
(C-40- 7)34BDA		
(C-40- 7)34BDC		
(C-40- 7)36CCB		
(C-40- 9)26CA		
(C-40- 9)31CB		LEMON SPRING
(C-40-11)28ACD		GRAPEVINE SPRING
(C-40-12) 2AA		ROCK SPRING
(C-40-12) 3DD		
(C-40-12)11CC		
(C-40-12)12AD		
(C-40-13)19DA		BLUE SPRING
(C-40-13)35DB		
(C-40-14) 2 & 3		DANS SPRING
(C-40-14) 8	(E)	COLUMBINE SPRING
(C-40-14) 9C	(E)	
(C-40-14)15BD		
(C-40-14)16DB		
(C-40-14)21CC		MUD SPRINGS
(C-40-14)21CD		
(C-40-14)22BD		ASH GROVE SPRING

Table 1. continued

SPRING LOCATION	SPRING NAME
(C-40-14)24B	ITALIAN SPRING
(C-40-14)32D	
(C-40-15)24DA	BIG HOLLOW SPRING
(C-40-16) 5	
(C-40-16) 7ACB	VEYO SPRING
(C-40-16)25	
(C-40-16)26	
(C-40-16)28	
(C-40-16)35	
(C-40-17) 6AB	OAK PATCH SPRING
(C-40-17)16	
(C-40-18) 5	
(C-40-18)21DC	COLE SPRING
(C-40-18)29	
(C-40-18)35	
(C-40-19) 7	
(C-40-19)14	
(C-40-19)18	
(C-40-19)26	
(C-41- 3)18A	WILDCAT SPRING
(C-41- 3)18AC	
(C-41- 3)27B	KITCHEN CORRAL SPRING
R(C-41- 4) 4DA	
R(C-41- 4) 5CD	
R(C-41- 4) 6AC	
R(C-41- 4) 8AB	OLD CORRAL SPRINGS
R(C-41- 4) 8CA	FIRST POINT SPRING
R(C-41- 4)16BA	COTTONWOOD SPRINGS
(C-41- 7)11BAD	
(C-41- 7)11D	
(C-41-10) 3	OAK CREEK SPRINGS
(C-41-10)26C	PARKER SPRINGS
(C-41-13) 7BC	
(C-41-13)25	LAVERKIN (DIXIE) HOT SPRINGS
(C-41-13)30A	
(C-41-16)34C	SNOW SPRINGS
(C-41-18) 2DD	PAHCOON SPRING
(C-42- 3) 2CD	WATERHOLE
(C-42- 3)23DB	
(C-42- 4)29C	NEAF SPRING
(C-42- 6) 4CBC	
(C-42- 6) 9BBD	
(C-42- 6)17CAA	BIG LAKE SPRINGS
(C-42- 6)17DAC, DDB	
(C-42- 6)19CDD	UPPER LAKE SPRINGS
(C-42- 6)20AAC	
(C-42- 6)28DBA	
(C-42- 6)30BAA	MIDDLE LAKE SPRING
(C-42- 6)30BDA	LOWER LAKE SPRINGS
(C-42- 7)22A	
(C-42- 8) 1A	MONCUR SPRING
(C-42- 8)36D	
(C-42-10) 6CDD	LEDGE ROCK SEEPS
(C-42-10) 7BD	RIMROCK SPRING
(C-42-12)14AA	GOOSEBERRY SPRING
(C-42-12)19DB	GOULD SPRING
(C-42-14) 5DB	COTTONWOOD SPRING
(C-42-14) 6CC	
(C-42-14)15D	SAND MOUNTAIN SPRINGS
(C-42-14)15DA	WILLOW SPRING
(C-42-14)15DB	SAND MOUNTAIN SPRING
(C-42-14)32AD	WARNER VALLEY SPRING
(C-42-15)10AD	
(C-42-15)15BBA	GREEN SPRING
(C-42-15)20CA	EAST ST GEORGE SPRINGS
(C-42-15)20CD	
(C-42-16)10DA	GRAY SPRING
(C-42-16)11DC	MILLER SPRING
(C-42-16)13CCC	WEST CITY (ST GEORGE) SPRING
(C-42-16)14B	
(C-42-16)30DD	STUCKI SPRING
(C-42-17)35BC	COTTONWOOD SPRING
(C-42-18)33B	
(C-42-19)23	
(C-42-19)24	
(C-42-19)32	
R(C-43- 4) 5CC	
R(C-43- 4)33C	THE SEEPS
(C-43- 5) 5AD	SHEEP SPRING
(C-43- 5) 5BA	RAM SPRING
(C-43- 5) 6BC	HOG CANYON SPRING
(C-43- 5) 7A	TOMS SPRINGS
(C-43- 5) 7D	
(C-43- 5) 9D	WILLIS SPRINGS
(C-43- 5)20CD	
(C-43- 6)15CA	DRY SPRING
(C-43- 7) 1DC	
(C-43- 7) 3C	
(C-43- 7) 9DB	
(C-43- 7)10AC	
(C-43- 7)10DB	
(C-43- 7)17BC	SAM SPRING
(C-43- 8) 1AA	
(C-43- 8) 1AC	YELLOW JACKET SPRING
(C-43- 8) 9DB	HARRIS SPRINGS
(C-43-10) 7DB & DA	
(C-43-10) 8CD	CANAAN SPRING
(C-43-10)17D	STILL SPRING
(C-43-11) 1A	
(C-43-14)34B	FORT PIERCE SPRINGS
(C-43-14)34BA	
(C-43-16)16A	
(C-43-16)17CB	VAL SPRING
(C-43-18) 5	
(C-44- 2)27D	PIGEON SPRINGS
(D- 1- 1) 8ABD	TARPIE HOLLOW SPRING
(D- 1- 1)11AA	EMIGRATION TUNNEL SPRING
(D- 1- 1)11AB	WAGNER SPRING
(D- 1- 1)20ACD	FAIRMONT PARK SPRING
(D- 1- 1)25CBB	BOUNDRY SPRING
(D- 1- 1)29ADC	HILBERG SPRING
(D- 1- 2) 1CA	
(D- 1- 2) 9AAA	
(D- 1- 2) 9AAC	
(D- 1- 2)20AB	BASSETT SPRING
(D- 1- 2)25AB	
(D- 1- 2)25C	CLOVER SPRING
(D- 1- 2)36A	THOUSAND SPRINGS
(D- 1- 3) 7BD	ALEXANDER SPRING
(D- 1- 3)25BD	
(D- 1- 3)27CCA	
(D- 1- 3)27CCB	
(D- 1- 3)28AB	
(D- 1- 3)36AA	
(D- 1- 4) 8DB	
(D- 1- 4)33AA	
(D- 1- 4)34DC	
(D- 1- 6) 1	
(D- 1- 6)12	
(D- 1- 6)14	
(D- 1- 6)15	
(D- 1- 6)16	
(D- 1- 6)17	
(D- 1- 6)22	
(D- 1- 6)26	
(D- 1- 6)27	
(D- 1- 6)29	
(D- 1- 6)32	
(D- 1- 6)34	
(D- 1- 7) 6	
(D- 1- 8) 7	
(D- 1-10)10	
(D- 1-10)15	
(D- 1-18)16 (E)	
(D- 1-20) 1AA	
(D- 1-20) 2AB	
(D- 1-20) 3DC	
(D- 1-21) 6BB	
(D- 1-22)35AD	BULL SPRING
(D- 1-23)18BB	LIMESTONE SPRING
(D- 1-23)31CD	
(D- 1-24) 1CA	
(D- 1-24)11BA	
(D- 1-25) 1B	
(D- 1-25) 2AA	
(D- 1-25) 4AB	
(D- 1-25) 4CA	
(D- 1-25) 4DC	
(D- 2- 1) 2CBD	NORTH FORK SPRING
(D- 2- 1) 2CDB	UPPER SPRING
(D- 2- 1) 2CDC	CASTO SPRING
(D- 2- 1)11BAA	DRY CREEK SPRING
(D- 2- 1)25B	MC GHIE SPRING
(D- 2- 1)34AD	
(D- 2- 2) 2DB (E)	BAKER SPRING
(D- 2- 2) 9B (E)	
(D- 2- 2)12D (E)	
(D- 2- 2)19DD	
(D- 2- 2)36CD (E)	
(D- 2- 3) 5BA	

Table 1. continued

SPRING LOCATION		SPRING NAME
(D- 2- 3)17CD		
(D- 2- 3)23BA		WILLOW SPRINGS
(D- 2- 3)30AD		MONTREAL SPRING
(D- 2- 3)36DB		
(D- 2- 4) 4DC		DORITY SPRING
(D- 2- 4) 5DB		
(D- 2- 4) 9BB		
(D- 2- 4)11		
(D- 2- 4)15DC		
(D- 2- 4)33AD		
(D- 2- 6) 3		
(D- 2- 6) 5		
(D- 2- 6) 9		
(D- 2- 6)15		
(D- 2- 6)17		
(D- 2- 6)22		
(D- 2- 6)23		
(D- 2- 6)25		
(D- 2- 6)26		
(D- 2- 6)28		
(D- 2- 6)30		
(D- 2- 6)31		
(D- 2- 6)32		
(D- 2- 6)35		
(D- 2- 7)35		
(D- 2-18)36AA & AC	(E)	LIGHTNING SPRING
(D- 2-18)36AD	(E)	CHICKEN SPRING
(D- 2-18)36DB	(E)	BILLS SPRING
(D- 2-18)36DD	(E)	COW SPRING
(D- 2-19)28D	(E)	DRYLAND SPRING
(D- 2-19)29C	(E)	MULE HOLLOW SPRING
(D- 2-19)30D	(E)	MIDDLE MOUNTAIN SEEP
(D- 2-19)31AA	(E)	PROSPECTOR'S SPRING
(D- 2-19)31AA	(E)	URANIUM SPRING
(D- 2-19)31D	(E)	WARDEN SPRING
(D- 2-19)32A	(E)	CHENAB SPRING
(D- 2-19)32C	(E)	SQUAW SPRING
(D- 2-19)33B	(E)	LAKE CANYON SPRING
(D- 2-19)33C	(E)	WALKUP SPRING
(D- 2-19)34AB	(E)	LOWER BOTTOM SPRING
(D- 2-19)34AB	(E)	BEAR SEEP
(D- 2-19)34BB	(E)	CANYON SPRING
(D- 2-19)34BBD	(E)	BUCKHORN SPRING
(D- 2-19)34BC	(E)	BEAR WALLOW SPRING
(D- 2-19)34D	(E)	FLAT SPRING
(D- 2-19)35CC	(E)	LOWER FLAT SPRING
(D- 2-20)13DD	(E)	
(D- 2-20)24DA	(E)	BEAR SPRING
(D- 2-21)		BRUSH CREEK SPRING
(D- 2-21) 1BA		KABELL SPRING
(D- 2-21) 1CCC		COLTON SPRING
(D- 2-21)12AD		HENLINE SPRING
(D- 2-21)12BB		
(D- 2-21)13DC		TROUT SPRING
(D- 2-21)20DA		SHELMADINE SPRING
(D- 2-21)24C		BIG BRUSH CREEK SPRING
(D- 2-22) 1CD		ASPEN SPRING
(D- 2-22) 1DD		MARVIN SPRING
(D- 2-22) 3AC		
(D- 2-22) 8AD		
(D- 2-22) 8BB		BARKER SPRING
(D- 2-22)10	(E)	POINT SPRING
(D- 2-22)31B		CAMPBELL SPRING
(D- 2-23) 6BC		
(D- 2-23)21AD		
(D- 2-24)18AA		DIAMOND SPRING
(D- 2-24)35AC		BOONE SPRING
(D- 2-25)31DA		COTTONWOOD SPRING
(D- 3- 1)12AC		
(D- 3- 1)12B		NORTH DESPAIN SPRING
(D- 3- 1)12BC		BEAVER POND SPRINGS
(D- 3- 1)12BCA		GRANITE SPRING
(D- 3- 1)22DD		
(D- 3- 2) 1DD	(E)	NUMBER 10 SPRING
(D- 3- 2)35CB	(E)	
(D- 3- 2)36DB	(E)	
(D- 3- 3) 3CD	(E)	
(D- 3- 3) 8	(E)	
(D- 3- 3)14AB	(E)	BIG FLAT SPRINGS
(D- 3- 3)31CC	(E)	
(D- 3- 3)36BD	(E)	BIG SPRING
(D- 3- 4) 8CB		
(D- 3- 4)18DA		
(D- 3- 4)21BBB		EPPERSON SPRING
(D- 3- 4)21DCC		GERBER SPRING

SPRING LOCATION		SPRING NAME
(D- 3- 4)22BCC		MAHOGANY SPRING
(D- 3- 4)26, 27, 34		MIDWAY HOT SPRINGS
(D- 3- 7)15		
(D- 3- 7)17		
(D- 3- 7)20		
(D- 3- 8) 8		
(D- 3- 8) 9		
(D- 3- 8)21		
(D- 3- 8)22		
(D- 3-12)35		
(D- 3-18) 1DB	(E)	MILL CANYON SPRING
(D- 3-18)11DB	(E)	CORRAL SPRINGS
(D- 3-18)13AC	(E)	GROUSE FLAT SPRING
(D- 3-18)13CA	(E)	SAGEHEN SPRING
(D- 3-18)13DA	(E)	BURTON SEEP
(D- 3-18)14AB	(E)	LYMAN SPRING
(D- 3-18)24BA	(E)	CEDAR POINT SPRING
(D- 3-19) 1DA		WILLOW SPRING
(D- 3-19) 2AC		DOUGLAS SPRING
(D- 3-19) 4AB		LYLES HOLE SPRING
(D- 3-19) 4CC		BUM SPRING
(D- 3-19) 5BCB		SPROUSE SPRING
(D- 3-19) 5DB		INDIAN SPRING
(D- 3-19) 5DCD		
(D- 3-19) 9A		DEEP CREEK SPRING
(D- 3-19) 9DA		SMELTER SPRING
(D- 3-19)11BC		
(D- 3-19)11CD		DEEP CREEK SPRING
(D- 3-19)24	(E)	BODILY SPRING
(D- 3-20) 1BD		ASHLEY CREEK SPRING
(D- 3-20) 1DB		EAST END SPRING
(D- 3-20) 2CD		LIND SPRING
(D- 3-20) 3CA		JUNE SPRING
(D- 3-20) 3CB		MIDDLE SPRING
(D- 3-20) 4AB		BECK SPRING
(D- 3-20) 5C		DRY FORK SPRING
(D- 3-20) 6CD		CHOKECHERRY SPRING
(D- 3-20)14	(E)	GALLOWAY SPRING
(D- 3-20)17DC		
(D- 3-20)19AA		BOX SPRING
(D- 3-20)21AC		HAWTHORNE SPRING
(D- 3-20)28BA		CHIVERS SPRING
(D- 3-20)28DB		SHINDY SPRING
(D- 3-20)30BA		CHICKEN SPRINGS
(D- 3-20)31AD		
(D- 3-20)31BB		BURCH SPRING
(D- 3-20)32AB	(E)	MUD SPRING
(D- 3-20)33CD		
(D- 3-25) 1BDD		JONES HOLE SPRING
(D- 3-25)12CB		
(D- 3-25)15DB		
(D- 3-25)36BC		
(D- 4- 2) 1DB		
(D- 4- 2) 2DA		
(D- 4- 2) 7A		
(D- 4- 2) 7DB		SCHOOL HOUSE SPRING
(D- 4- 2) 8CA		
(D- 4- 2)12BC		
(D- 4- 2)15AA		
(D- 4- 2)17BA		GROVE SPRING
(D- 4- 2)20CA		WILLOW SPRING
(D- 4- 2)26D		POWER PLANT SPRING
(D- 4- 2)27BC		CAVE CAMP SPRING
(D- 4- 2)32DB		
(D- 4- 3) 7DD		
(D- 4- 3) 8BC		
(D- 4- 3)10BB		
(D- 4- 3)10D		
(D- 4- 3)11BA		ROCK SPRING
(D- 4- 3)14CA		
(D- 4- 3)15AC		MILL CANYON SPRING
(D- 4- 3)18AA		
(D- 4- 3)20DA		MUD SPRING
(D- 4- 3)22CD		
(D- 4- 3)23CA		TOOTH SPRING
(D- 4- 3)24ADB		CASCADE SPRINGS
(D- 4- 3)28CC		
(D- 4- 3)29DB		
(D- 4- 3)31A & B		
(D- 4- 3)32BC		
(D- 4- 3)33DA		
(D- 4- 4) 6AD		
(D- 4- 4) 7CC		DECKER SPRING
(D- 4- 4) 7DC		
(D- 4- 4) 8A		INDIAN SPRING

Table 1. continued

SPRING LOCATION		SPRING NAME
(D- 4- 4) 8CA		
(D- 4- 4)14C		
(D- 4- 4)17C		DECKER SPRING
(D- 4- 4)23C		TOOTH SPRINGS
(D- 4- 5) 1		
(D- 4- 5) 3		
(D- 4- 5) 4AAB		HEBER CITY SPRINGS AREA
(D- 4- 5)21		
(D- 4- 5)23		
(D- 4-13) 4D		
(D- 4-19)23	(E)	
(D- 4-20) 5AD		
(D- 4-20)35	(E)	
(D- 4-21)15D		
(D- 4-21)34B		
(D- 4-22)32A		PINE SPRING
(D- 4-22)32D		MUD SPRING
(D- 4-22)35C		WILLOW SPRING
(D- 4-23) 5D		WILLOW SPRING
(D- 4-23) 9A		
(D- 4-23)15	(E)	
(D- 4-23)20	(E)	
(D- 4-23)26		
(D- 4-23)29		TWO SPRINGS
(D- 4-23)36AB		
(D- 4-24) 3BA		MCKEE SPRING
(D- 4-24) 4B		
(D- 4-24)16CCD		SPLIT MOUNTAIN WARM SPRING
(D- 4-24)36BDC		HOG CANYON SPRING
(D- 4-25) 2BB		
(D- 4-25)31CCA		CUB CREEK SPRING
(D- 5- 1)15D		MILL POND SPRING
(D- 5- 1)28DBC		
(D- 5- 1)29CCA		
(D- 5- 2) 3AA		
(D- 5- 2)10AB		
(D- 5- 2)10D,11B,14A		
(D- 5- 2)16DA		
(D- 5- 2)16DBD		
(D- 5- 2)24B		
(D- 5- 2)24DA		
(D- 5- 2)27ABA		
(D- 5- 2)35CDB		
(D- 5- 2)36DBB		
(D- 5- 3) 3BB		
(D- 5- 3) 3CB		
(D- 5- 3) 6AB		
(D- 5- 3) 8AA		
(D- 5- 3)10BB		
(D- 5- 3)12DA		SULPHUR SPRING
(D- 5- 3)15CB		
(D- 5- 3)15D		
(D- 5- 3)15DB		
(D- 5- 3)16BD		
(D- 5- 3)25D & 36B		
(D- 5- 3)27B		
(D- 5- 3)27DD		
(D- 5- 3)33C		
(D- 5- 3)33CB		ALTA SPRING
(D- 5- 3)33CD		
(D- 5- 3)34AC		
(D- 5- 3)34CA		
(D- 5- 3)34CC		
(D- 5- 3)36AD		
(D- 5- 3)36AD		
(D- 5- 4)12D		SULPHUR SPRINGS
(D- 5- 4)18C		
(D- 5- 4)31D & 32C		
(D- 5- 5) 1		
(D- 5- 5) 7		
(D- 5- 5)17		
(D- 5- 5)18		
(D- 5- 5)21		
(D- 5- 5)28		
(D- 5-23) 3DC		
(D- 5-23)10BD		
(D- 6- 1) 1ACA		
(D- 6- 2) 4C & 9B		FUGAL SPRINGS
(D- 6- 2)24D		
(D- 6- 2)25BA		
(D- 6- 2)36A		
(D- 6- 3) 1BA		
(D- 6- 3) 1D		
(D- 6- 3) 3 & 4		SMITH SPRING
(D- 6- 3) 6D		CANYON SPRING
(D- 6- 3)19CC		
(D- 6- 3)25B		
(D- 6- 3)28D		DAVIS SPRING
(D- 6- 3)35C		COLD SPRINGS
(D- 6- 4) 5AC		
(D- 6- 4) 5CC		
(D- 6- 4) 5DB		
(D- 6- 4) 7BB		BIG SPRINGS
(D- 6- 4)32CA		
(D- 6- 6)10		
(D- 6-24) 5		
(D- 7- 1) 5CCB		
(D- 7- 1) 8BBC		
(D- 7- 2)11DB DC		
(D- 7- 3) 8A		HATHENBROOK SPRING
(D- 7- 3)10A		BOARDMAN SPRING
(D- 7- 3)11C		KNIGHT SPRINGS
(D- 7- 3)21		
(D- 7- 3)24B		
(D- 7- 3)28CD		LITTLE SPRING CREEK SPRINGS
(D- 7- 3)28D		SPRING CREEK SPRINGS
(D- 7- 3)32D		WOOD SPRINGS
(D- 7- 3)32DD		MATSON SPRINGS
(D- 7- 3)34DDC		WHEELER SPRINGS
(D- 7- 3)35DBD		SPRING CREEK SPRINGS
(D- 7- 4) 5C		
(D- 7- 4)7 AND 8		BARTHOLOMEW SPRINGS
(D- 7- 4)30C		
(D- 7- 6)14		
(D- 7-20)13CC & CD		
(D- 7-20)24BA		
(D- 7-20)24BD		
(D- 7-23)32D		
(D- 8- 1) 2 & 3		LINCOLN POINT WARM SPRINGS
(D- 8- 3) 1CAC		BURT SPRINGS
(D- 8- 3) 1CAD		COX SPRINGS
(D- 8- 3) 2A		KONOLD SPRINGS
(D- 8- 3) 2A		OSLER SPRING
(D- 8- 3) 3A		WHEELER SPRINGS
(D- 8- 3) 3C		FULLMER SPRINGS
(D- 8- 3) 3D		CLYDE SPRINGS
(D- 8- 3) 4CA		DRY CREEK SPRINGS
(D- 8- 3) 8A & B		
(D- 8- 3) 8B & C		
(D- 8- 3) 9D		BIG HOLLOW SPRINGS
(D- 8- 3)34DCD		MALCOLM SPRINGS
(D- 8- 4) 7AA		LOWER RIGHT FORK SPRING
(D- 8- 4) 8BC		MIDDLE RIGHT FORK SPRING
(D- 8- 4) 8C		
(D- 8- 4) 8CB		SERVICE BERRY SPRINGS
(D- 8- 4) 8CB		UPPER RIGHT FORK SPRING
(D- 8- 4) 8DC		DIBBLES CANYON SPRING
(D- 8- 5)14D		DIAMOND FORK WARM SPRINGS
(D- 8- 5)32		
(D- 8-17)27BD		
(D- 8-18)31DD		ODEKIRK SPRING
(D- 9- 1)25A		HOLLADAY SPRINGS
(D- 9- 2)11D		SALEM LAKE SPRINGS
(D- 9- 2)27CDA		HARVEY AMOS SPRING
(D- 9- 2)29		SPRING LAKE SPRINGS
(D- 9- 2)33AC		PICAYUNE CANYON SPRING
(D- 9- 2)35C		
(D- 9- 3) 3AAB		MALCOLM SPRING
(D- 9- 3)12BDA		COLD SPRINGS
(D- 9- 3)17C		
(D- 9- 3)19D		
(D- 9- 3)25A		
(D- 9- 3)32D		
(D- 9- 4)18BA		CASTILLA HOT SPRINGS
(D- 9- 4)19C		BIG SPRING
(D- 9- 4)31C		
(D- 9- 5)29		
(D- 9- 8)32A		
(D-10- 1) 8C		GOSHEN WARM SPRINGS
(D-10- 1)13DCD		SANTAQUIN CITY SPRINGS
(D-10- 1)24AAA		SANTAQUIN CITY SPRINGS
(D-10- 1)25D		
(D-10- 2) 1D		
(D-10- 2) 3ADA		BURR FLAT SPRING
(D-10- 2) 3DA		MAPLE DELL SPRING
(D-10- 2)11C		
(D-10- 2)11CAD		HONEYCOMB SPRING
(D-10- 2)19BBC		SANTAQUIN CITY SPRINGS
(D-10- 2)21D		BIG SPRINGS
(D-10- 2)28		
(D-10- 2)32AAB		SANTAQUIN CITY SPRINGS

Table 1. continued

SPRING LOCATION		SPRING NAME
(D-10- 3) 2		
(D-10- 3)17	(E)	
(D-10- 3)31	(E)	MUD SPRINGS
(D-10- 3)31		MINNIE SIMMONS SPRINGS
(D-10- 3)32	(E)	DRIPPING CORRAL SPRINGS
(D-10- 3)36A		BURDICK SPRING
(D-10- 4)17A		
(D-10- 6) 1A		
(D-10- 6) 2A		
(D-10- 6)13C		
(D-10- 7) 8B		
(D-10- 7)17B		
(D-10- 7)18D		
(D-10- 7)20D		
(D-10- 7)29A		
(D-10- 7)31D		
(D-10- 7)33C		
(D-10- 7)35D		HUNTER SPRING
(D-10- 8) 4A		
(D-10- 8) 9C		
(D-10-16) 6		
(D-10-17) 6DB		WHITE MULE SPRING
(D-10-17)25		
(D-11- 1) 2	(E)	
(D-11- 1) 8C		
(D-11- 1) 8D		
(D-11- 1)10A		
(D-11- 1)27		
(D-11- 1)31AAA		
(D-11- 2) 1		
(D-11- 2) 4CBC		
(D-11- 2)11A & C		
(D-11- 2)12		GENTLE BAND SPRINGS
(D-11- 2)14B		BEER BOTTLE SPRING
(D-11- 2)15C		
(D-11- 2)17C		
(D-11- 2)18		
(D-11- 2)24C		
(D-11- 2)28C		
(D-11- 2)35D		
(D-11- 3) 4B		OAK SPRINGS
(D-11- 3) 5B		PERRY MILL SPRINGS
(D-11- 3) 6C		
(D-11- 3) 8B		
(D-11- 3)18D		
(D-11- 5)11		
(D-11- 5)23AB		
(D-11- 5)35		
(D-11- 6) 2		
(D-11- 7)12C		WING SPRING
(D-11- 7)13DDC		
(D-11- 7)14CDA		
(D-11- 7)15B		
(D-11- 7)25DBA		
(D-11- 7)28B		
(D-11- 7)29A		LOST SPRING
(D-11- 7)32A		
(D-11- 7)35CCC		
(D-11- 7)36BDB		
(D-11- 8)19DCC		
(D-11- 8)20CDC		
(D-11- 8)21ADB		
(D-11- 8)27DAD		COLTON SPRING
(D-11- 8)29BDC		
(D-11- 8)32BBC		
(D-11- 8)32CAB		
(D-11- 9)35		
(D-11-10)10		
(D-11-10)26		
(D-11-11)30		
(D-11-11)31		
(D-11-11)33		
(D-11-14) 4		
(D-11-15)17		
(D-11-15)18		
(D-11-15)20		
(D-12- 1) 3BBC		CLOVER CREEK SPRING
(D-12- 1) 6D		BURRISTON PONDS
(D-12- 1) 8C		
(D-12- 1)23	(E)	
(D-12- 2)10D		
(D-12- 2)15A		
(D-12- 2)20D		
(D-12- 2)30A		MAPLE SPRING
(D-12- 2)31D		
(D-12- 2)32C		MUD SPRING
(D-12- 3) 6D		
(D-12- 3) 7A		
(D-12- 3)18D		
(D-12- 3)23D		
(D-12- 3)27B		
(D-12- 3)28D		
(D-12- 3)31D		PINE SPRING
(D-12- 3)34A		
(D-12- 4) 4		
(D-12- 4) 7A & 8B		
(D-12- 4)14		
(D-12- 4)15		
(D-12- 4)21		
(D-12- 5)14DC		
(D-12- 5)26DD		
(D-12- 5)34BB		
(D-12- 6) 1		
(D-12- 6) 3B		
(D-12- 6) 9A		BISHOP SPRING
(D-12- 6)23		
(D-12- 6)32CB		
(D-12- 7) 1B		
(D-12- 7) 6B		
(D-12- 7)23D		
(D-12- 7)33D		SULPHUR SPRINGS
(D-12- 8) 5BDA		
(D-12- 8) 8ABA		
(D-12- 8) 8BAC		
(D-12- 8) 8DBA		
(D-12- 8)17AAB		
(D-12- 8)33C		
(D-12- 9)16		
(D-12- 9)21		
(D-12- 9)28		
(D-12- 9)29		
(D-12- 9)32		
(D-12- 9)33B		
(D-12-10)10		
(D-12-10)20		
(D-12-10)34AA		
(D-12-11)33		
(D-12-12)28		
(D-12-12)35C		
(D-12-13)16		
(D-12-13)17		
(D-12-14) 4		
(D-12-14)13		
(D-12-14)20		
(D-12-15)10		
(D-12-19) 5		
(D-12-24)33		
(D-13- 1) 1D		
(D-13- 1)13A	(E)	GRAVEL SPRINGS
(D-13- 2) 1BD		
(D-13- 2) 1C		
(D-13- 2) 1D & 2A		
(D-13- 2) 4AA		KINNIKINICK SPRING
(D-13- 2) 4AD		
(D-13- 2) 5CBD		BRADLEY SPRING
(D-13- 2)10CA		
(D-13- 2)10DA		
(D-13- 2)25	(E)	HOLMAN SPRING
(D-13- 3) 4B		
(D-13- 3) 6A		
(D-13- 3)13B		
(D-13- 3)22A		
(D-13- 3)29C		
(D-13- 3)27C		
(D-13- 4)25		
(D-13- 4)34		
(D-13- 5) 3CA		
(D-13- 5) 4DD		
(D-13- 5)10DC		
(D-13- 5)13		
(D-13- 5)14CB		
(D-13- 5)16BD		
(D-13- 5)18		
(D-13- 5)20		
(D-13- 5)31DBB		
(D-13- 5)32ADD		
(D-13- 5)32AA		
(D-13- 5)34BCC		
(D-13- 5)36BD		
(D-13- 6) 2	(E)	

Table 1. continued

SPRING LOCATION		SPRING NAME
(D-13- 6)30B		
(D-13- 6)33		
(D-13- 7) 2B		
(D-13- 7)17D		SULPHUR SPRING
(D-13- 8) 2		
(D-13- 8)27C		
(D-13- 8)35A		OAK SPRING
(D-13-10) 4DB		
(D-13-10)13		
(D-13-10)15		
(D-13-10)16AD		
(D-13-11) 9D		
(D-13-11)17D		
(D-13-11)31A		
(D-13-12)21C		
(D-13-14) 8B		
(D-13-14)24A		
(D-13-15)19A		
(D-13-15)31D		
(D-13-23)11		
(D-13-24) 8		
(D-14- 1)10ABD		LOWER FOUR MILE SPRING
(D-14- 1)11BC		MIDDLE FOUR MILE SPRING
(D-14- 1)11DDA		UPPER FOUR MILE SPRING
(D-14- 1)33CBB		TUNNEL SPRING
(D-14- 1)34DBD		ROSE BUSH SPRING
(D-14- 2) 2BAB		BIG SPRINGS
(D-14- 2) 7AB		THOMPSON SPRING
(D-14- 2) 7CB		COLD WATER SPRINGS
(D-14- 2) 9B		
(D-14- 2)12CA		
(D-14- 2)14AA		
(D-14- 2)20D		
(D-14- 2)21A & B		
(D-14- 2)21D		JOE SPRING
(D-14- 2)22AA		
(D-14- 2)23BDA		BIRCH CREEK SPRINGS
(D-14- 2)27B		
(D-14- 2)28AD		
(D-14- 2)28DA		
(D-14- 2)28DD		
(D-14- 2)30CA		GUNSIGHT SPRING
(D-14- 2)33DA		CASPER SPRING
(D-14- 2)34BB		
(D-14- 2)35BB		
(D-14- 2)36BD		
(D-14- 3)12A		CHRISTENSEN SPRING
(D-14- 3)14D		APPLETREE SPRING
(D-14- 4) 4		
(D-14- 4)11AD		LOWER SPRING CREEK SPRINGS
(D-14- 5)23DD		
(D-14- 6) 7AC		
(D-14- 6) 7BD		
(D-14- 6)14B		
(D-14- 6)17AA		
(D-14- 6)17AC		
(D-14- 6)20BB		
(D-14- 6)21		
(D-14- 6)29AA		
(D-14- 7)15	(E)	
(D-14- 7)30	(E)	SULPHUR SPRINGS
(D-14- 8) 8B		SUMMERHOUSE SPRING
(D-14- 8)19B		
(D-14-13) 9A		
(D-14-14) 3A		NORTH SPRING
(D-14-14) 9B		
(D-14-14)32		
(D-14-15) 5A		
(D-14-15) 5B		
(D-14-15) 5DD		
(D-14-15)32B		WILLOW SPRING
(D-14-18) 1A	(E)	TABYAGO SPRING
(D-14-18)16D	(E)	BISHOP SPRING
(D-14-19)33A		CHARLIE BROWN SPRING
(D-15- 1) 1D		TROUGH SPRING
(D-15- 1) 3A		
(D-15- 1)19BD		
(D-15- 1)22A		
(D-15- 1)22BC		
(D-15- 1)26CC		
(D-15- 1)33BD		
(D-15- 1)34AD		COLD SPRING
(D-15- 1)35AB		
(D-15- 2) 2ADA		FREEDOM SPRING
(D-15- 2) 9C		CEMENT SPRINGS

SPRING LOCATION	SPRING NAME
(D-15- 2)13 & 24	BREWERS SPRINGS
(D-15- 2)26ACB	LIME KILN SPRING
(D-15- 2)31DD	
(D-15- 2)36CA	
(D-15- 4) 3	
(D-15- 4) 8BB	SNAKE SPRINGS
(D-15- 4)29	
(D-15- 4)32	
(D-15- 5) 5DB	BARTON SPRING
(D-15- 5)10DA	
(D-15- 5)11BB	
(D-15- 5)15CC	
(D-15- 5)22BBB	COAL FORK SPRING
(D-15- 5)24DC	
(D-15- 5)33CC	
(D-15- 5)34BD	
(D-15- 5)35AA	
(D-15- 6) 4DB	
(D-15- 6)20BC	
(D-15- 6)27C	
(D-15- 6)29CB	
(D-15- 6)31BB	
(D-15- 7)13A	
(D-15- 8) 7BD	NORTH SPRING
(D-15- 8)30D	PINE SPRING
(D-15- 9) 7D	NORTH SPRING
(D-15-12) 5A	
(D-15-13) 1D	
(D-15-13)17C	
(D-15-13)18B	
(D-15-14) 3A	
(D-15-14)14A	
(D-15-19) 4B	SECRET SPRING
(D-15-19) 5	
(D-15-19)17	
(D-15-19)31A	
(D-15-20)15	
(D-15-22)13	
(D-15-23) 1	
(D-15-23)15	
(D-15-23)16	
(D-15-23)22	
(D-15-23)36DD	P.R. SPRING
(D-15-24) 8	
(D-15-24)10	
(D-15-24)36	
T(D-15-21)36	
(D-16- 1) 8AD	
(D-16- 1)12AB & AC	
(D-16- 1)14DC	
(D-16- 1)15BB	
(D-16- 1)17AD	
(D-16- 1)22CB	
(D-16- 1)26CC	
(D-16- 1)27BB	
(D-16- 1)27DA	
(D-16- 1)28CD	
(D-16- 1)33AA	
(D-16- 1)33AB	
(D-16- 1)36CC	
(D-16- 1)36DD	
(D-16- 3) 7	
(D-16- 3)13	
(D-16- 3)14	
(D-16- 3)15	
(D-16- 3)33	
(D-16- 4) 2DD	BLACK WILLOW SPRING
(D-16- 4)11DB	WILEYS SPRING
(D-16- 4)14DA	OAK RIDGE SPRING
(D-16- 4)15AA	DRY LAKE SPRING
(D-16- 4)21	
(D-16- 4)21	
(D-16- 5) 2DD	
(D-16- 5) 4AC	
(D-16- 5)10CA	
(D-16- 5)11CD	
(D-16- 5)17BD	
(D-16- 5)18AA	
(D-16- 5)18DC	
(D-16- 5)21BD	
(D-16- 5)22BA	
(D-16- 5)22BB	
(D-16- 5)23DC	
(D-16- 5)24AC	
(D-16- 5)35BD	

Table 1. continued

SPRING LOCATION		SPRING NAME
(D-16- 5)35CC		
(D-16- 6)15		
(D-16- 6)19CA		
(D-16- 6)19DD		
(D-16- 6)31A		
(D-16- 6)33AC		
(D-16- 6)33DB		
(D-16- 7)26B		BIRCH SPRING
(D-16- 8) 7D		MUD SPRING
(D-16- 9) 1		
(D-16-10)29		
(D-16-14)12D		
(D-16-14)24A		
(D-16-15)18C		
(D-16-15)31D		
(D-16-16) 4A		
(D-16-18) 8A		
(D-16-18)10B		ANNA LAURA SPRING
(D-16-18)10D		MARYS WATER SPRING
(D-16-18)24B		PINTO SPRING
(D-16-18)35D		SLOUGH CANYON SPRING
(D-16-19) 3C		
(D-16-19) 8C		BP SPRING
(D-16-19)18C		MOONWATER SPRING
(D-16-19)26A		POST CANYON SPRING
(D-16-19)27B		CHICKEN SPRING
(D-16-19)31D		
(D-16-19)32B		LITTLE MOUNTAIN SPRING
(D-16-20) 3A		
(D-16-20)28A		GOAT SPRING
(D-16-21)30C		
(D-16-22)23		
(D-16-22)30D		
(D-16-23) 1		
(D-16-23) 2		
(D-16-24) 6		
(D-17- 1)14CA		
(D-17- 1)14DC		
(D-17- 1)15CC		
(D-17- 1)22AA		
(D-17- 1)24BC		
(D-17- 1)26CC		
(D-17- 1)27AA		
(D-17- 2) 7DC		
(D-17- 3) 1		
(D-17- 3)18		
(D-17- 4)16DCD		BIG SPRING
(D-17- 4)20		
(D-17- 4)21		
(D-17- 4)26		
(D-17- 4)34DD		
(D-17- 5)13DD		
(D-17- 5)33BB		
(D-17- 5)34AD		
(D-17- 6)18BA		
(D-17- 9)19		
(D-17-10)21		
(D-17-11)12		
(D-17-11)18		
(D-17-11)23		
(D-17-11)26		
(D-17-11)27		
(D-17-11)35		
(D-17-12) 8		
(D-17-19)		WEST SPRINGS
(D-17-19)		BIG SPRING
(D-17-19) 9A		BOLON SPRINGS
(D-17-19)21C		SEELEY SPRINGS
(D-17-19)24D		JACK SPRING
(D-17-19)26D		
(D-17-19)32B		CRIB SPRING
(D-17-19)32D		FLORENCE SPRING
(D-17-19)34C		
(D-17-20)20C		
(D-17-20)30A		
(D-17-21)10B		
(D-17-21)13A		PETERSON SPRING
(D-17-21)14A		
(D-17-22) 6	(E)	KELLY SPRING
(D-17-22) 7	(E)	CLARK SPRING
(D-18- 1)19DAB		FAYETTE SPRING.
(D-18- 1)22AC		
(D-18- 2) 7BD		
(D-18- 2)13		LIVINGSTON (CRYSTAL) WARM SPRINGS
(D-18- 2)17		MANTI SPRING
(D-18- 2)22CB		SALERATUS SPRING
(D-18- 2)23AAC		STINKING SPRINGS
(D-18- 2)35B		
(D-18- 3) 3		
(D-18- 3)15		
(D-18- 3)21DB		METCALF SPRING
(D-18- 3)28		
(D-18- 3)33AD		LEO SPRING
(D-18- 4)15DD		
(D-18- 4)16DC		
(D-18- 4)20BB		HOUGAARD SPRINGS
(D-18- 4)22AA		
(D-18- 4)22CA		
(D-18- 4)22DD		
(D-18- 4)28DB		
(D-18- 5)35DD		
(D-18- 6)16BD		BIRCH SPRING
(D-18- 6)31CB		
(D-18- 6)31DC		
(D-18- 6)36		
(D-18- 8)32		
(D-18- 8)33		
(D-18- 8)34		
(D-18-10) 1		
(D-18-10) 7		
(D-18-10)11		
(D-18-11)10		
(D-18-11)31		
(D-18-12) 4		
(D-18-12) 6		
(D-18-12)11		
(D-18-12)29		
(D-18-12)31		
(D-18-12)32		
(D-18-15) 3	(E)	
(D-18-15) 3	(E)	JOE SPRING
(D-18-17)20C		
(D-18-19) 3C		
(D-18-19)10C		
(D-18-19)24C		WILCOX SPRINGS
(D-18-19)25C		
(D-18-19)35C & D		
(D-18-19)36C		PIOCHE
(D-18-19)36D		TABLEROCK SPRINGS
(D-18-20) 7B		MARBLE SPRING
(D-18-20)14	(E)	
(D-18-20)26	(E)	
(D-18-20)29	(E)	
(D-18-21) 1D		
(D-18-21)11C		
(D-18-21)20C		
(D-18-22) 6	(E)	
(D-18-22) 7	(E)	
(D-18-23)25		
(D-18-24)30		
(D-18-24)36		
(D-19- 1)18		GUNNISON SPRING
(D-19- 2) 1DBC		COLD SPRING
(D-19- 2) 4DC		
(D-19- 2) 4DCA		PEACOCK SPRINGS
(D-19- 2) 5BA		OLSEN SPRINGS
(D-19- 2) 5DA		PETTYVILLE SPRINGS
(D-19- 2) 9CCB		NINE MILE COLD SPRING
(D-19- 2)20DDD		SPANNARD SPRING
(D-19- 2)33ACB		LOWER MAYFIELD SPRING
(D-19- 3) 8AB		
(D-19- 4) 4AB		
(D-19- 4) 4CC		
(D-19- 4) 9CD		
(D-19- 4)21DA		
(D-19- 4)22		
(D-19- 4)26AA		
(D-19- 4)28CB		
(D-19- 4)33BC		
(D-19- 5)29		
(D-19- 6) 6AA		MUD SPRING
(D-19- 6)20DB		STINKING SPRING
(D-19- 6)32		
(D-19- 8)10		
(D-19-11)27		
(D-19-13)15		
(D-19-13)16		
(D-19-19) 1	(E)	OAK SPRINGS
(D-19-19) 3A	(E)	

Table 1. continued

SPRING LOCATION		SPRING NAME
(D-19-19) 7	(E)	RED SPRING
(D-19-19)29	(E)	SHOWERBATH SPRING
(D-19-19)31	(E)	TOM SPRING
(D-19-19)34C	(E)	
(D-19-20) 1	(E)	
(D-19-20) 1,2, & 3	(E)	
(D-19-20) 5,6,7, & 8	(E)	
(D-19-20)27	(E)	
(D-19-20)30	(E)	
(D-19-21) 2D		
(D-19-21) 5B		
(D-19-23)26		
(D-19-23)32		
T(D-19- 5)36CA		
(D-20- 1)25AAD		MICKELSON SPRING
(D-20- 2) 2BD		
(D-20- 2) 3AA		UPPER MAYFIELD SPRING
(D-20- 2)32		
(D-20- 4)16DD		
(D-20- 5) 4DA		
(D-20- 5)11AD		WRIGLEY SPRING
(D-20- 5)25DD		
(D-20- 5)31AB		
(D-20- 6)17DA		BIRCH SPRING
(D-20-10) 6		RED SEEP
(D-20-16) 5B		
(D-20-17)34B	(E)	
(D-20-18)10	(E)	COW SPRING
(D-20-18)12A	(E)	CUB SPRING
(D-20-19) 9		
(D-20-19)16A		
(D-20-19)21D		
(D-20-19)29D		
(D-20-20)21C		
(D-21- 1)11		REDMOND SPRINGS
(D-21- 1)12AA		
(D-21- 1)17		
(D-21- 3) 9BA		
(D-21- 3)11DB		
(D-21- 3)17CA		WIGWAM SPRING
(D-21- 3)18BD		
(D-21- 3)18CA		WIKIEUP SPRING
(D-21- 3)21AC		
(D-21- 3)21CB		
(D-21- 3)22DB		
(D-21- 3)27CA		CONSERVATION SPRING
(D-21- 4)18CC		
(D-21- 9)25B	(E)	
(D-21- 9)25D	(E)	
(D-21-10)36	(E)	
(D-21-13)25		SULPHUR SPRING
(D-21-14) 5A		
(D-21-14)16C		
(D-21-18)14D		TROUGH SPRING
(D-21-18)17D		
(D-21-18)23D		
(D-21-18)26B		
(D-21-19) 9D		MUD SPRING
(D-21-20)21B		
(D-21-22)33A		SEEP
(D-21-24)33D		
(D-21-24)36BD		
(D-22- 1)22		MUD SPRING
(D-22- 2)19		
(D-22- 2)31DCB		
(D-22- 2)33BA		
(D-22- 2)34BB		
(D-22- 2)36CDC		
(D-22- 3) 1		
(D-22- 3) 7		
(D-22- 3)18BA		
(D-22- 3)20BD		PIPE SPRING
(D-22- 8)17D		BITTER SEEP
(D-22-14)35BA		
(D-22-20)29D		
(D-22-21)26A		DRY OAK SPRING
(D-22-21)32A		
(D-22-23)19C		
(D-22-23)26D		
(D-22-23)32D		
(D-22-25)18D		
(D-23- 1) 9		
(D-23- 1)12ADA		
(D-23- 2) 1AC		CREEPY SPRINGS
(D-23- 2) 9AAA		
(D-23- 2)10CCC		
(D-23- 2)11CCB		
(D-23- 2)12CCD		
(D-23- 2)15DDB		
(D-23- 2)17BA		
(D-23- 2)20AC		
(D-23- 2)21DB AND CA		
(D-23- 2)23DCD		
(D-23- 2)23DAA		
(D-23- 2)24CCB		
(D-23- 2)24DCA		
(D-23- 2)26AC		COVE SPRING
(D-23- 2)27AAA		
(D-23- 2)27DCB		
(D-23- 2)28BBB		
(D-23- 2)33BD		
(D-23- 2)33AD		
(D-23- 2)36BBB		
(D-23- 3) 7AD		
(D-23- 3)16BB		
(D-23- 3)30CD		
(D-23-13)34D		
(D-23-18) 6D		
(D-23-20)32D		BURRO SEEP
(D-23-21) 1A		
(D-23-21)23A & B		
(D-23-22)17C		LOST SPRING
(D-23-23) 7D		AUGER SPRINGS
(D-23-23) 8B		CAVES SPRING
(D-23-23)10A		
(D-23-23)11C,D		
(D-23-23)12D		BUCK SPRING
(D-23-24) 8D		DEWEY SPRINGS
(D-23-24) 9	(E)	SECRET SPRINGS
(D-23-24)16C		
(D-23-24)27D		COWSKIN SPRING
(D-24- 1)18BCD		LITTLE LOST CREEK SPRING
(D-24- 2) 1ABD		
(D-24- 4) 4		
(D-24- 4)34		
(D-24- 6)24		
(D-24- 6)25		
(D-24- 9) 5	(E)	
(D-24-10) 3	(E)	TEN SEEPS
(D-24-11)36		
(D-24-13)20CC		LOST SPRING
(D-24-13)24DC		CROWS NEST SPRING
(D-24-13)31DA		
(D-24-14)21AD		
(D-24-14)32AD		COTTONWOOD SPRING
(D-24-15)17A		
(D-24-16)20C		MOONSHINE SPRINGS
(D-24-17)27BA		
(D-24-18) 7AA		DRIPPING SPRING
(D-24-18) 9BB		
(D-24-18) 9BD		
(D-24-18) 9CD		
(D-24-18) 9D		
(D-24-18)13AB		LITTLE MOUNTAIN SPRING
(D-24-18)36DA		
(D-24-19)10D		BRINK SPRING
(D-24-19)15AB		BRINK SPRING
(D-24-19)30C		CRYSTAL SPRING
(D-24-20)16BD		LOWER COURTHOUSE SPRING
(D-24-20)20AA		UPPER COURTHOUSE SPRING
(D-24-21)20C		WILLOW SPRINGS
(D-24-22)		STINKING SPRING
(D-24-22)29AC		SALT SPRING
(D-24-24)21		
(D-24-25)20CA		
(D-24-25)32A		
(D-25- 2)29		
(D-25- 2)33		
(D-25- 4)27		
(D-25- 7) 3		
(D-25- 7)11BD		
(D-25- 7)24		
(D-25-11)25	(E)	BUCKSKIN SPRINGS
(D-25-11)32	(E)	
(D-25-11)33	(E)	
(D-25-12) 4AA		SWAZY SEEP
(D-25-13) 2CA		
(D-25-13) 6AC		TEMPLE SPRING
(D-25-14)22C		LOWER DUGOUT SPRING
(D-25-14)28A		DUGOUT SPRING

Table 1. continued

SPRING LOCATION		SPRING NAME
(D-25-15)12		SADDLE HORSE SPRINGS
(D-25-16)35C		
(D-25-16)36B		
(D-25-18)16A	(E)	DEADMAN SPRINGS
(D-25-21)26BD		MATRIMONY SPRINGS
(D-25-23)31DC		
(D-25-25)34D		
(D-26- 1)24		
(D-26- 1)29		
(D-26- 1)30AB		BROWN SPRING
(D-26- 2) 1		
(D-26- 2)19		
(D-26- 3)28		
(D-26- 3)32		
(D-26- 3)33		
(D-26- 3)35CB		FORSYTH SPRING
(D-26- 4)33		
(D-26- 5)11		
(D-26- 5)14		
(D-26-10)24D		
(D-26-10)36C		MULLBERRY SPRING
(D-26-11)18C	(E)	
(D-26-11)30	(E)	
(D-26-14) 7	(E)	UPPER DUGOUT SPRING
(D-26-14)28	(E)	SWEETWATER SPRING
(D-26-15)32A		
(D-26-15)32D		TWIN SPRING
(D-26-16) 1C		BIG SPRING
(D-26-16) 2C	(E)	
(D-26-16)14D		OLD MAN SPRING
(D-26-18)24	(E)	HORSETHIEF SPRING
(D-26-18)27	(E)	
(D-26-21)10A		KINGS BOTTOM SPRING
(D-26-22)22BA, 15CD		
(D-26-23) 4DA		
(D-26-23)26DC		
(D-26-25) 8D		
(D-26-25)20A		
(D-26-26)32DB		
(D-27- 1) 1		
(D-27- 1) 6		
(D-27- 2) 6		
(D-27- 2)24CCD		NORTH FREMONT SPRING
(D-27- 2)25BAA		FREMONT SPRING
(D-27- 2)27		
(D-27- 2)33DAD		WEST SPRING
(D-27- 3)22DCB		TIDWELL SPRING
(D-27- 3)30BBD		
(D-27- 3)31AAD		
(D-27- 3)32BCA		
(D-27- 4) 2B		
(D-27- 4) 3A		
(D-27- 4)12BD		
(D-27- 4)15AC		
(D-27- 4)16AA		
(D-27- 4)28BA		
(D-27- 5) 7CC		
(D-27- 5)10C		
(D-27- 7)17		CAMPERS SPRING
(D-27- 7)25	(E)	
(D-27- 8) 6	(E)	
(D-27- 8)10	(E)	
(D-27- 8)11D AND 12C		CAINE SPRINGS
(D-27-15) 4A		HOOCH SPRING
(D-27-15) 4B		VILLAGE HOME SPRING
(D-27-15) 4C		NORTH SPRINGS
(D-27-16)15D		
(D-27-16)22C		SPRINGS
(D-27-16)23C		WILLOW SPRINGS
(D-27-16)34B		WINDY POINT SPRINGS
(D-27-16)35D		BIG SPRINGS
(D-27-18)27	(E)	HOLEMAN SPRING
(D-27-19)21	(E)	CABIN SPRING
(D-27-19)22	(E)	NECK SPRING
(D-27-21)20CB		DRIPPING SPRING
(D-27-21)26D		TROUGH SPRINGS
(D-27-23)24DC		
(D-27-23)31DB		
(D-27-23)36CA		
(D-27-24) 1BD		
(D-27-24) 5AD		
(D-27-24) 7AA		
(D-27-24) 8AA		
(D-27-24) 8B		
(D-27-24) 9B		
(D-27-24)20AC		
(D-27-24)20BA		
(D-27-24)26DC		
(D-27-24)29AB		
(D-27-24)36DA		
(D-27-25) 7BB		
(D-27-25)26CA		CANOPY SPRING
(D-27-25)30AA & AB		
(D-27-25)36CC		
(D-28- 2)10BBA		SOUTH SPRING
(D-28- 3) 3DAC		LYMAN SPRING
(D-28- 3)22BC		
(D-28- 3)34BAA		DAB KEEL SPRING
(D-28- 3)34DBD		
(D-28- 7) 4	(E)	
(D-28- 7)29D		NOTCH WATER
(D-28- 8) 4B	(E)	
(D-28- 8) 5	(E)	WILLOW SEEP
(D-28-11) 6A		
(D-28-12) 9C		
(D-28-14)22	(E)	ROBBERS ROOST SPRING
(D-28-14)23C	(E)	RABBITBRUSH SPRINGS
(D-28-14)23D	(E)	SILVER TIP SPRINGS
(D-28-14)34B	(E)	LOST SPRING
(D-28-15)20D	(E)	GRANERY SPRING
(D-28-15)21D	(E)	BLUE JOHN SPRING
(D-28-15)25	(E)	
(D-28-15)26	(E)	
(D-28-16) 1A	(E)	CLYDES SPRING
(D-28-19) 6	(E)	WILLOW SEEP
(D-28-20)27A		
(D-28-21)36	(E)	
(D-28-22) 1CA		CANE SPRING
(D-28-23)23D		
(D-28-23)23DD		
(D-28-23)31CD		
(D-28-23)36DB		
(D-28-24) 3	(E)	
(D-28-24) 3DB	(E)	
(D-28-24)10C	(E)	
(D-28-24)13DA	(E)	DEER SPRING
(D-28-24)14C	(E)	COLD SPRING
(D-28-24)15DB	(E)	
(D-28-24)19		COYOTE SPRINGS
(D-28-25) 3DC		
(D-28-25) 4DA		
(D-28-25) 6BB		
(D-28-25)18CD		DEER SPRING
(D-28-25)24C		
(D-29- 3)11CCA		HUGH KING SPRING
(D-29- 3)12CAC		
(D-29- 3)14ABC		BULLARD SPRING
(D-29- 3)14BCB		PINE CREEK SPRING
(D-29- 4)16		
(D-29- 9)32A		
(D-29-10)17AC		BERT AVERY SEEP
(D-29-11)20C,19D & 29B		
(D-29-12)33C		POOL SPRING
(D-29-12)35A		
(D-29-13) 7	(E)	ANGEL COVE SPRING
(D-29-14)14A		CROW SEEP
(D-29-15)13	(E)	WILDCAT SPRINGS
(D-29-15)14	(E)	BIG SPRING
(D-29-15)23	(E)	TRAIL SPRING
(D-29-16)15	(E)	OUTLAW SPRINGS
(D-29-16)20	(E)	BURRO SEEP
(D-29-22)21C		
(D-29-22)27C		
(D-29-22)27C		
(D-29-23)23CC		
(D-29-23)31D		
(D-29-25)12B		
(D-29-25)32C		
T(D-29-22)31C		
T(D-29-22)35A		
(D-30- 3)14DC		BAKER SPRING
(D-30- 3)15		
(D-30- 9)13B		
(D-30- 9)26A		
(D-30- 9)32B		INDIAN WATER SEEP
(D-30- 9)35A		
(D-30-10)12D & 13A		SIDE HILL SPRING
(D-30-10)13D		DUGOUT BENCH SPRING
(D-30-10)26A		BIRCH SPRINGS
(D-30-10)29A		

Table 1. continued

SPRING LOCATION		SPRING NAME
(D-30-10)29D		WILLOW SPRINGS
(D-30-10)33C		OAK SPRING
(D-30-10)35C		COLD SPRINGS
(D-30-11)19D		
(D-30-13)32B		DELL SEEP
(D-30-15)18	(E)	
(D-30-16) 3A		FRENCH SPRING
(D-30-16)35B		FLINT SPRING
(D-30-17) 4	(E)	BIG WATER SPRINGS
(D-30-19)25C		SQUAW SPRING
(D-30-19)28A		
(D-30-19)30A		
(D-30-20)20C		CAVE SPRING
(D-30-24)14CC		
(D-30-25)22AA		
(D-30-25)24BD		LISBON SPRING
T(D-30-15)16	(E)	TWO PIPE SPRING
(D-31- 1)22		ANTELOPE SPRING
(D-31- 3) 8AD		LAVA SPRING
(D-31- 3)21		
(D-31- 6)21	(E)	ASPEN SPRING
(D-31- 8)27DB		
(D-31- 9) 1B		
(D-31- 9) 3D		MAIDEN WATER SPRINGS
(D-31- 9) 7A		
(D-31- 9)15B		MUD SPRINGS
(D-31- 9)22C & 27B		DAVE PEEPLES SPRING
(D-31- 9)24C		DRIPPING ROCK SEEP
(D-31-10) 3C		
(D-31-10) 4D		
(D-31-10) 5A		COTTONWOOD SPRINGS
(D-31-10)14B		
(D-31-10)18D		
(D-31-10)20B		
(D-31-10)27B		
(D-31-10)28C		
(D-31-10)30D		
(D-31-10)31A		WILLOW SPRING
(D-31-10)31B		MCCLELLAN SPRING
(D-31-10)33A		
(D-31-11) 18C		POISON SPRING
(D-31-11) 1CC		
(D-31-11) 6DB		GOAT WATER SPRING
(D-31-11)28C		LECLEED SPRING
(D-31-15)10	(E)	
(D-31-22) 1AD		HART SPRING
(D-31-23)31AA		THE SEEPS
(D-31-24)28D		HOGAN SPRINGS
(D-31-25) 1BB		
(D-31-25)33DB		SOP SPRING
(D-32- 2)23	(E)	BEAN SPRING
(D-32- 3)34	(E)	
(D-32- 4)29DA	(E)	
(D-32- 6)	(E)	
(D-32- 7)34D		
(D-32-10) 2A		UPPER BASIN SPRING
(D-32-10) 6C		BIRCH SPRING
(D-32-10)18C		
(D-32-10)21A		BOX SPRINGS
(D-32-10)21C		AIRPLANE SPRINGS
(D-32-11)24A	(E)	
(D-32-12)16A		
(D-32-12)19D		
(D-32-13)31DB	(E)	HOG SPRING
(D-32-15)34	(E)	COVE SPRING
(D-32-16) 3		
(D-32-18)36A		
(D-32-18)36C		
(D-32-20)20D		
(D-32-23)24C		PETERS SPRING
(D-32-25)17C		IRON SPRINGS
(D-33- 1) 6B	(E)	CLAYTON SPRINGS
(D-33- 1)17BC	(E)	
(D-33- 1)17CD	(E)	
(D-33- 1)18DA	(E)	
(D-33- 1)19CA	(E)	
(D-33- 1)19DA	(E)	
(D-33- 1)19DC	(E)	GATE SPRING
(D-33- 1)20BA	(E)	
(D-33- 1)20DC	(E)	
(D-33- 1)23B	(E)	
(D-33- 1)31DC	(E)	
(D-33- 1)32CB	(E)	
(D-33- 1)33B	(E)	
(D-33- 2) 3	(E)	BLUE SPRING

SPRING LOCATION		SPRING NAME
(D-33- 2) 6	(E)	THE GAP SPRING
(D-33- 2) 8	(E)	DEEP CREEK SPRING #1
(D-33- 2)15	(E)	POSY SPRING
(D-33- 2)16	(E)	
(D-33- 2)20	(E)	DEEP CREEK SPRING #2
(D-33- 2)31	(E)	HOG RANCH SPRING
(D-33- 4)30BD		
(D-33- 4)31	(E)	
(D-33- 7) 4	(E)	
(D-33- 7)14	(E)	ONION FLATS SEEP
(D-33- 9)18	(E)	
(D-33-11)19C		MUD SPRING
(D-33-12)33BD		
(D-33-16)	(E)	COVE SPRING
(D-33-18) 6		MABLE SPRING
(D-33-18)33		SWEET ALICE SPRING
(D-33-20)31D		
(D-33-21) 1	(E)	
(D-33-21) 8C		
(D-33-21)12	(E)	
(D-33-21)19	(E)	
(D-33-22) 2D		
(D-33-22)17	(E)	
(D-33-22)21		
(D-33-22)21BBB		
(D-33-22)25	(E)	TAYLOR SPRINGS
(D-33-22)31BB		
(D-33-22)31D		
(D-33-23)30D		DALTON SPRINGS
(D-33-26)10D		
(D-33-26)21D		PIUTE SPRINGS
(D-33-26)22C		INGRAM SPRING
(D-34- 1) 5D	(E)	
(D-34- 2) 7	(E)	UPPER SPRING
(D-34- 2)20	(E)	
(D-34- 2)28A	(E)	
(D-34- 3) 2CD		SULPHUR SPRING
(D-34- 5)27CC		
(D-34-10)26	(E)	
(D-34-11) 7	(E)	INDIAN SPRING
(D-34-11) 8	(E)	STAR SPRING
(D-34-12) 8	(E)	WOODRUFF SPRING
(D-34-17)12A		
(D-34-18)34=		COOPER SPRING
(D-34-19)11		
(D-34-19)24		
(D-34-20)11D		
(D-34-20)12D	(E)	
(D-34-20)27	(E)	
(D-34-20)27	(E)	
(D-34-21)12	(E)	
(D-34-21)13	(E)	
(D-34-21)26	(E)	
(D-34-21)27	(E)	
(D-34-21)33	(E)	
(D-34-21)33	(E)	
(D-34-22) 2	(E)	
(D-34-22) 6	(E)	
(D-34-22) 6C	(E)	
(D-34-22)18	(E)	
(D-34-22)19A		
(D-34-22)25A	(E)	COLD SPRINGS
(D- 34- 25) 36D		
(D- 35- 2) 9BB		
(D- 35- 2) 19AC		
(D- 35- 3) 9CC		ESCALANTE NO. 2 SPRING
(D- 35- 5) 2DB		
(D-35- 9)13		TOWNSON SEEP
(D-35- 9)13		JACKASS SPRING
(D-35-10)18	(E)	
(D-35-10)35A		
(D-35-14)27	(E)	WARM SPRING
(D-35-16)29	(E)	ROCK SPRINGS
(D-35-20) 6C		
(D-35-25) 2D		HORSEHEAD SPRING
(D-35-26) 6C		
(D-36- 3)13AA		OAK SPRING
(D-36- 7) 7	(E)	
(D-36-11) 4	(E)	
(D-36-11)33	(E)	LOST SPRING
(D-36-12)	(E)	
(D-36-16)17	(E)	ROCK SPRINGS
(D-36-16)34	(E)	FRY SPRING
(D-36-18) 1A		
(D-36-18) 1D		TWIN SPRINGS
(D-36-18)36D		MAVERICK SPRING

Table 1. continued

SPRING LOCATION		SPRING NAME
(D-36-20)32	(E)	
(D-36-21)32BC		
(D-36-22) 8BBD		
(D-36-23) 6		
(D-37- 1)10AC		
(D-37- 3) 6AA		ROCK SPRING
(D-37- 9)14	(E)	BULLBERRY SPRING
(D-37-10)36	(E)	
(D-37-11) 5	(E)	CANE SPRING
(D-37-17)11	(E)	
(D-37-20) 1D		
(D-37-20) 9D		
(D-37-20)20AB		
(D-37-20)25AC		
(D-37-22)22A		
(D-37-22)31DB		
(D-37-22)32BA		
(D-38- 1)27	(E)	HEADQUARTERS SPRING
(D-38- 3)15DD	(E)	RELISHEN SEEP
(D-38- 3)18CB	(E)	HARD HEAD WATER SPRING
(D-38- 8)30		
(D-38- 9) 2	(E)	
(D-38- 9) 7	(E)	SECRET SPRINGS
(D-38-10) 1	(E)	
(D-38-11)		
(D-38-16)18	(E)	RED HOUSE SPRING
(D-38-16)32D	(E)	COLLINS SPRING
(D-38-22) 8BA		
(D-38-22)28A		
(D-38-23) 9C		
(D-38-23)22B & C		
(D-38-23)27D		MCCRACKIN SPRING
(D-38-24)30A		ALKALI SEEP
(D-38-24)33		
(D-38-25)11DC		TIN CUP SPRING
(D-39- 1)28CA	(E)	
(D-39- 1)28CD	(E)	
(D-39- 8)10		
(D-39-17)36B		
(D-39-18) 8D		
(D-39-18)15D		
(D-39-18)27C		
(D-39-19)13A		SNOW FLAT SPRING
(D-39-20)15BD	(E)	
(D-39-20)19C		
(D-39-20)24CC	(E)	SWEET SPRINGS
(D-39-20)32CB		
(D-39-21)13A		
(D-39-21)29BD		
(D-39-21)29D		
(D-39-23) 7D		
(D-39-23)20D		
(D-39-23)21A		
(D-39-23)30C		
(D-40- 8) 6		
(D-40- 8)14		
(D-40-13) 2C	(E)	
(D-40-13) 4A	(E)	
(D-40-13) 4B	(E)	ROCK SPRING
(D-40-14)24BA		ITALIAN SPRING
(D-40-16)25D		SULPHUR SPRING
(D-40-16)33C		
(D-40-17)25A		
(D-40-19) 1B		CIGARETTE SPRING CAVE
(D-40-19) 4C		
(D-40-19)14D		
(D-40-20) 4AB		
(D-40-20) 9BD		
(D-40-20)24A		
(D-40-20)36CC		NAVAJO SPRING
(D-40-21) 5AB		
(D-40-21)20CC		
(D-40-22)14A		
(D-40-22)23D		
(D-40-22)30		
(D-40-23)25D		TOUCHEE SPRING
(D-40-24) 5A		STRAW SPRING
(D-40-24)18A		
(D-40-24)21 & 22		PUSSY WILLOW SPRING
(D-40-24)30C		HOT SPRING
(D-41- 3)32		TIBBET SPRING
(D-41-15)15B		
(D-41-17)32AB		CAMP SPRING
(D-41-18) 6A		
(D-41-20)15D		

SPRING LOCATION		SPRING NAME
(D-41-21) 1D		
(D-41-21) 6	(E)	
(D-41-21) 9B		
(D-41-21)15C		SPRINGS
(D-41-21)23		WINDOW ROCK SPRING
(D-41-21)25C		BUTTE SPRINGS
(D-41-21)36B		
(D-41-22) 2	(E)	
(D-41-23)17	(E)	LITTLE WATER SPRINGS
(D-41-24)19	(E)	
(D-41-25) 8D		HANDY SPRING
(D-41-25)35A		ROCKWELL SPRING
(D-42- 2) 2		NIPPLE SPRING
(D-42- 4)28C		
(D-42- 4)33B		
(D-42-12)19A		
(D-42-15) 6DA		
(D-42-15)25A		CEDAR SPRINGS
(D-42-15)30A & C		
(D-42-17) 4B		
(D-42-18)27	(E)	
(D-42-20)22A		
(D-42-20)27C,D		
(D-42-20)31		
(D-42-21) 1C		
(D-42-21)24C		
(D-42-22)29B		
(D-42-23)15	(E)	SALT WATER SPRINGS
(D-43- 2) 2D		ALKALI SEEP
(D-43- 2)12C		
(D-43- 3)29B		WIREGRASS SPRING
(D-43- 4)34C		
(D-43- 5)30A		
(D-43- 9)26		WAR GOD SPRING
(D-43-15)36D		NEPALTO SPRING
(D-43-17) 1		HALGAITO SPRINGS
(D-43-20)	(E)	
(D-43-20) 3B		
(D-43-20)22A		
(D-43-20)23B		
(D-43-20)27D		
(D-43-20)33A		
(D-43-21)24A		SALT SPRINGS
(D-43-22) 9C		
(D-43-22)18D		
U(A- 1- 1) 8CA, CD		
U(A- 1- 1)19BB		
U(A- 1- 1)19DD, 30AA		
U(A- 1- 1)33A		
U(A- 3- 1)20CD		
U(A- 4- 1) 6	(E)	
U(A- 4- 1)30	(E)	
U(B- 1- 1) 4BD		CART HOLLOW SPRING
U(B- 1- 1)14AD		FISH HATCHERY SPRING
U(B- 1- 1)15CC		
U(B- 1- 1)24AA		
U(B- 1- 1)25CD		
U(B- 1- 1)30BD		
U(B- 1- 1)31DB		
U(B- 1- 1)31DC		
U(B- 1- 2) 8AC		
U(B- 1- 2) 9CB		
U(B- 1- 2)14DD		
U(B- 1- 2)25AC		
U(B- 1- 4) 1DD		LOWER BURNT MILL SPRING
U(B- 1- 4) 2AC		
U(B- 1- 4)21AD		WILLOW SPRING
U(B- 1- 4)23DB		MUD SPRINGS
U(B- 1- 6) 9DD		
U(B- 1- 6)16BB		
U(B- 1- 6)22AB		BIRCH SPRING
U(B- 1- 8)27CD		
U(B- 2- 1) 8A		WOODARD SPRING
U(B- 2- 1)11AA		HORRICKS SPRING
U(B- 2- 1)13CB		SULPHUR SPRING
U(B- 2- 1)15DC		SNAKE JOHN SPRING
U(B- 2- 1)15DCC		COTTONWOOD SPRING
U(B- 2- 2) 5		BIG SPRING
U(B- 2- 2)29BC		
U(B- 2- 2)30AD		
U(B- 2- 3)34AA		
U(B- 2- 3)36BC		
U(B- 2- 4) 2CA		TWIN SPRING
U(B- 2- 4) 4DA		GRANTS SPRING
U(B- 2- 4)11DC		SADDLE SPRING

Table 1. continued

SPRING LOCATION		SPRING NAME
U(B- 2- 4)14DA		LIME KILN SPRINGS
U(B- 2- 4)25AA,AB & AC		LARGE SPRING AREA
U(B- 2- 4)25BD		BURNT MILL SPRING
U(B- 2- 4)25CA		BURNT MILL SPRING NO. 2
U(B- 2- 4)29DA		LITTLE WATER SPRING
U(B- 2- 4)31DD		MCQUEN SPRING
U(B- 2- 4)32AA		
U(B- 2- 4)32AD		CRYSTAL CREEK SPRING
U(B- 2- 4)32DC		FREESTONE SPRING
U(B- 2- 4)35DA		DRY GULCH SPRING NO. 5
U(B- 2- 4)36BB		
U(B- 3- 2)19CD		SMOKEY SPRING
U(B- 3- 2)30AB		UINTAH SPRING
U(B- 3- 2)34D		POLE CREEK SPRING
U(B- 3- 4)34CA		ASPEN SPRING
U(B- 4- 1)10DC		
U(B- 4- 1)11DC		
U(B- 4- 1)22AA		
U(B- 4- 1)22DA		
U(B- 4- 1)23CA		
U(C- 1- 1)21AA		
U(C- 1- 3) 5BB		CHIDESTER SPRINGS
U(C- 1- 4)33CB		
U(C- 1- 6)11AB		CURRANT SPRINGS
U(C- 1- 6)13DB		PIGEON WATER SPRING
U(C- 1- 6)24AB		
U(C- 1- 7) 6AB		
U(C- 1- 7)15CCC		
U(C- 1- 7)23CA		TONIGUT SPRING
U(C- 1- 8) 1CD		
U(C- 1- 8) 7CB		
U(C- 1- 8) 9DC		
U(C- 1- 8)17CD		BIG SPRING
U(C- 1- 8)26CB		
U(C- 1- 8)27CB		
U(C- 1- 8)30CD		ROCK SPRING
U(C- 1- 8)30DD		WARM SPRING
U(C- 1- 8)35BA		
U(C- 1- 8)36CA		
U(C- 1- 9)12DB		
U(C- 1- 9)25CB		
U(C- 1-10)25AD		
U(C- 1-10)26AC		
U(C- 1-10)27AD		
U(C- 1-10)27DD		
U(C- 1-10)34AD		
U(C- 1-10)35CD		
U(C- 1-10)35DB		
U(C- 2- 1)16CA		
U(C- 2- 1)16CD		
U(C- 2- 1)19CC		
U(C- 2- 2) 2AD		
U(C- 2- 2) 5DD		
U(C- 2- 2)10BC		
U(C- 2- 2)11BA		
U(C- 2- 2)15AA		
U(C- 2- 2)24DB		
U(C- 2- 2)25BD		
U(C- 2- 2)26AC & AD		
U(C- 2- 2)26CD		
U(C- 2- 2)28CD		
U(C- 2- 3) 7CCC		
U(C- 2- 3) 8C		
U(C- 2- 3)10DB		
U(C- 2- 7)19BD		
U(C- 2- 8) 3DB		
U(C- 2- 8) 6BC		
U(C- 2- 8) 8CC		BIRCH SPRING
U(C- 2- 8) 9AD		
U(C- 2- 8) 9CB		
U(C- 2- 8)10BD		
U(C- 2- 8)10CA		
U(C- 2- 8)15BA		
U(C- 2- 8)17BD		SANTAQUIN SPRING
U(C- 2- 8)29BD		BEER SPRING
U(C- 2- 9)12AA		WHISKEY SPRING
U(C- 2-10) 3AB		
U(C- 2-10) 3DB		
U(C- 2-10) 3DC		
U(C- 2-10)13AC		LITTLE RED SPRING
U(C- 2-10)24AC		
U(C- 2-10)25AA		
U(C- 2-10)25AD		
U(C- 3- 1) 6BA		
U(C- 3- 3)31CC		
U(C- 3- 4)13DDD		
U(C- 3- 4)21CC		
U(C- 3- 5)13CA & B		
U(C- 3- 5)34AB		
U(C- 3- 8)33BB		
U(C- 3-10)29		SOLDIER SPRING
U(C- 4- 4)22AB		
U(C- 4- 6) 9DB		
U(C- 4- 6)16DB		
U(C- 4- 6)17CD		
U(C- 4- 9)14DC		
U(C- 4-10)11		STINKING SPRINGS
U(C- 4-10)17DC		TABBYS SPRING
U(C- 5- 5)16AB		
U(C- 5- 5)21CAD		MARSHALL SPRINGS
U(C- 5- 8) 6DB		
U(C- 5- 8) 8BD		
U(C- 5- 8)18BD		
U(C- 5- 8)22BA		
U(C- 5- 9)11CB		
U(C- 5- 9)12DA		
U(C- 5- 9)14DB		
U(C- 5- 9)23BC		
U(C- 5-10)22	(E)	COCHRAN SPRING
U(C- 5-10)33	(E)	ORR SPRING
U(C- 5-10)34	(E)	CANE SPRING
U(D- 1- 1) 4BB		URIAH HEAPS SPRING
U(D- 2- 1)28DD		UPPER CART HOLLOW SPRINGS

Table 2. Chemical analyses of water from selected springs in Utah.

Water discharge: Discharge measured or estimated at time sample was collected except r, Discharge or range of discharge reported but not measured or estimated at time of sampling.
Sodium and potassium: Where no value is given for potassium, sodium (Na) plus potassium (K) values are reported as sodium.
Dissolved solids: Residue on evaporation at 180° C, except c, calculated from determined constituents or r, residue on evaporation at 105° C.
Agency making analysis: BR, U. S. Bureau of Reclamation; HD, Utah State Department of Health; GS, U. S. Geological Survey; SC, Utah State Chemist.

Spring number	Name of spring	Date of collection	Water discharge		Specific conductance (micromhos/cm at 25° C)	pH	Temperature (° F)
			Cfs	Gpm			
(A-2-19)16bb	Big Springs	8- 6-68	6.46	2,890	272	7.2	46
(A-10-2)29acd	Paradise Spring	3-22-60	–	–	406	8.0	–
		5- 9-68	3r	1,350	388	8.2	46
(A-11-1)15bbc	Big Ballard Spring	5- 8-68	1	450	596	8.3	–
18bdd	Spring Creek Spring No. 2	5- 8-68	6	2,700	553	8.2	52
23cda	Garr Spring	4-18-68	3.5	1,575	465	7.9	53
(A-11-2)18acd	Providence City Spring	3-23-60	–	–	339	7.9	–
		5-10-68	3	1,350	333	8.1	42
(A-12-1)4bab	Chambers Spring	5- 8-68	2	900	888	8.3	–
(A-12-2)22dc	Dewitt Spring	3-30-51	20r	9,000	352	–	–
		2-23-60	–	–	332	7.9	–
		5- 8-68	–	–	326	8.0	45
(A-13-1)32adc	Hopkins Spring	5- 8-68	3.70r	1,660	599	8.3	54
(A-13-3)27ad	Ricks Spring	10-14-58	–	–	344	7.9	45
		10-13-59	2	900	341	7.4	–
		10-24-60	–	–	318	8.2	45
		8-31-62	–	–	352	7.7	45
		10-16-62	–	–	349	7.6	45
		5- 8-68	20	9,000	322	8.0	45
(A-14-2)30bba	Cherry Creek Spring	2-18-60	–	–	192	7.8	–
		5- 8-68	15	6,750	207	7.9	45
(A-14-5)6dbd	Swan Creek Spring	12- -39	–	–	–	–	–
		5-15-68	7-220r	3,150-99,000	296	7.6	43
(B-10-1)10aac	Wellsville Spring	5- 9-68	4r	1,800	765	8.3	54
10cab	Murray Spring	4-18-68	2.6	1,170	555	7.6	52
17cac	Hawbush (Leatham) Spring	6- 5-56	2.6r	1,170	–	7.6	–
		5- 9-68	–	–	402	8.1	45
(B-11-1)21dac	Gardner Spring	5- 7-68	6r	2,700	529	8.2	52
34dac	Northfield Spring	4-18-68	6.3	2,830	553	7.6	50
(B-11-9)5cca	Sparks Spring	6-29-59	–	–	6,470	7.7	–
		9-30-59	–	–	6,540	7.2	–
		1- 5-60	–	–		7.7	–
		4-19-60	–	–	6,570	7.6	–
		2- 6-69	1.87	840	6,140	8.0	–
6cac	Off Spring	2- 6-69	1.63	730	5,710	7.7	57
(B-11-10)1dac	Bar M Spring	6-29-59	–	–	5,450	7.8	–
		9-30-59	–	–	5,250	7.5	–
		1- 5-60	–	–	6,430	7.8	–
		4-19-60	–	–	5,190	8.0	–
		7-19-60	–	–	5,420	7.7	–
		10-12-60	–	–	5,400	7.7	–
		2- 6-69	10.8	4,860	5,200	7.7	48
12aac	Teal Spring	9-30-59	–	–	7,120	7.8	–
		1- 5-60	–	–	7,400	7.9	–
		4-19-60	–	–	7,690	7.9	–
		2- 6-69	–	–	6,250	7.9	46
(B-12-10)36cab	West Locomotive Spring	9-30-59	–	–	4,660	7.9	–
		1- 5-60	–	–	4,900	7.5	–
		4-19-60	–	–	4,630	7.9	–
		10-12-60	–	–	5,240	7.6	–
		2- 6-69	14.6	6,570	4,080	7.7	46
36dcc	Baker Spring	9-30-59	–	–	3,410	7.9	–
		1- 5-60	–	–	3,470	7.7	–

Parts per million												Dissolved solids	Calcium magnesium	Noncarbonate	Agency making analysis
SiO_2	Ca	Mg	Na	K	HCO_3	CO_3	SO_4	Cl	F	NO_3	B				
7.7	34	14	3.0	0.6	132	0	32	2.1	0.3	1.0	0.01	166	140	32	GS
6.1	63	15	4.7	.3	251	–	13	7.5	.2	4.4	.09	235r	219	11	DH
7.0	57	16	4.2	.4	244	0	8.8	5.5	.2	2.4	.01	220	208	8	GS
11	74	35	7.2	1.2	348	8	24	8.6	.3	14	.02	345	326	28	GS
9.2	66	31	10	1.9	300	0	51	9.5	.5	2.5	.04	329	290	44	GS
7.3	54	28	4.8	.7	280	0	29	6.5	.2	2.8	.04	258	251	21	GS
5.1	50	13	2.8	.8	201	–	8.8	6.5	.1	.7	.05	195r	178	12	DH
5.1	44	17	2.2	.4	210	0	9.2	3.1	.3	2.8	.01	187	180	8	GS
14	90	50	31	4.6	448	12	13	60	.3	17	.01	534	428	41	GS
5.3	49	18	1.4	1.6	230	–	8.1	1.8	.0	2.7	–	193c	196	–	GS
4.2	47	16	1.0	.0	201	–	6.2	4.0	.2	.6	.00	199r	181	15	DH
3.8	50	14	1.0	.2	216	0	5.5	2.2	.2	.8	.02	180	182	5	GS
12	76	31	6.4	6.4	348	10	10	8.9	.2	23	.01	349	316	14	GS
6.3	51	15	3.5		224	0	8.4	2.0	–	.6	–	197c	188	4	GS
5.0	48	15	2.9		219	0	5.8	2.0	–	1.1	–	188c	183	3	GS
5.4	43	16	1.6	.8	209	0	6.8	4.0	.1	.2	–	181c	175	4	GS
5.3	55	12	1.7	.8	225	0	6.6	3.0	.1	1.0	.01	183	189	4	GS
–	–	–	1.7		225	0	3.7	2.5	–	–	–	180	188	3	GS
5.0	46	16	1.2	.3	216	0	3.0	2.4	.1	1.2	.01	177r	180	3	GS
5.2	28	5.0	2.3	2.0	102	0	3.4	5.5	.1	1.0	.06	110	89	5	DH
5.5	30	7.3	1.8	.3	118	0	4.0	2.6	.0	1.5	.00	118	106	9	GS
1.9	44	17	3.9		–	–	11.4	6.0	–	–	–	199r	181	–	DH
5.2	46	10	2.2	.4	185	0	3.5	4.5	.1	1.2	.00	170	157	5	GS
14	77	29	39	3.7	268	8	17	95	.3	8.5	.01	470	312	79	GS
9.5	61	20	23	2.1	250	0	12	48	.3	5.8	.02	309	237	32	GS
6.6	58	13	12		231	–	18	8.0	.6	7.0	–	242r	200	11	DH
7.6	69	9.2	4.7	.2	240	0	7.2	4.8	.2	13	.00	235	210	13	GS
15	87	11	13	1.5	302	0	12	13	.3	20	.00	320	260	12	GS
11	65	19	22	1.4	260	0	12	42	.1	6.8	.03	308	240	27	GS
38	110	73	1,180		232	0	188	1,960	–	2.0	–	3,660c	574	384	GS
29	117	68	1,150	49	231	0	161	1,960	.3	1.5	.27	3,650c	572	383	GS
35	107	66	1,160	47	227	0	169	1,970	–	2.5	.34	3,670c	538	352	GS
32	109	66	1,130	51	225	0	152	1,970	–	2.2	.27	3,620c	544	360	GS
22	86	79	1,120	48	214	0	167	1,890	.7	.8	.37	3,570	540	365	GS
29	106	74	986	37	206	0	151	1,750	.7	1.0	.27	3,420	570	401	GS
37	126	72	946		224	0	148	1,650	–	1.6	–	3,090c	610	426	GS
36	133	61	865	32	213	0	119	1,560	.1	2.1	.18	2,910c	583	408	GS
31	139	65	1,120	45	210	0	184	1,960	–	4.0	.30	3,650c	614	442	GS
31	131	60	833	36	209	0	113	1,550	–	2.8	.20	2,860c	574	403	GS
31	130	66	930	37	212	0	120	1,680	–	2.5	.21	3,110c	596	422	GS
33	127	69	910	35	209	0	118	1,640	–	1.6	–	3,050c	601	430	GS
27	114	69	875	42	208	0	140	1,560	.5	.5	.24	3,120	570	399	GS
36	109	63	1,280	55	213	0	156	2,180	.2	2.7	.32	3,990c	531	356	GS
34	115	66	1,340	60	212	0	159	2,280	–	3.5	.29	4,160c	558	384	GS
29	119	67	1,330	56	210	0	155	2,280	–	2.8	.34	4,140c	572	400	GS
22	96	73	1,150	48	210	0	171	1,900	.6	.9	.32	3,680	540	368	GS
47	114	50	744	53	206	0	91	1,360	.2	2.3	.25	2,560c	490	321	GS
43	114	49	786	57	198	0	91	1,430	–	3.0	.31	2,670c	486	324	GS
43	112	51	746	52	200	0	89	1,380	–	2.5	.23	2,570c	490	326	GS
46	122	52	861	60	208	0	93	1,570	–	2.8	–	2,920c	518	347	GS
32	104	58	653	42	208	0	107	1,190	.6	1.1	.29	2,440	500	329	GS
30	125	51	493	27	220	0	88	970	.1	2.3	.16	1,900c	522	342	GS
33	120	54	494	27	215	0	89	970	–	2.4	.16	1,900c	522	346	GS

Table 2. continued

Spring number	Name of spring	Date of collection	Water discharge		Specific conductance (micromhos/cm at 25° C)	pH	Temperature (° F)
			Cfs	Gpm			
		4-19-60	–	–	3,510	7.7	–
		10-12-60	–	–	3,390	7.5	–
		2- 6-69	0.20	90	4,390	7.7	–
(C-2-4)10bca	Dunne's Pond Spring	11-29-61	2.5r	1,140	1,720	8.0	–
15cac	Mill Pond Spring	8-22-58	–	–	1,990	7.6	–
		9-29-59	5	2,250	2,320	8.0	–
		1- 5-60	15	6,750	2,450	7.7	–
		4-12-60	7	3,150	2,440	8.1	–
		7- 8-60	9.1	4,100	2,310	7.6	–
		10-11-60	3.4	1,530	2,260	7.9	–
		1-10-61			2,250	7.7	–
		4- 4-61			2,270	8.1	–
(C-2-5)26cdc	Unnamed spring	8-22-58	3.3	1,500	3,770	7.4	–
33add	Unnamed spring	9- 5-41	3.3-4.0r	1,500-1,800	–	–	–
(C-3-7)29bcb	Chokecherry Spring	7-31-63	1	450	398	7.6	51
(C-3-8)10ccc	Deseret Livestock Co. South Springs	7-30-63	4.0	1,800	9,820	7.3	–
(C-5-6)32bba	Clover Creek Spring	9-21-64	10	4,500	393	7.8	45
		5-29-65	11	4,950	373	7.9	–
(C-6-2)29ccc	Fairfield Spring	6- 3-65	1.1-6r	500-2,200	457	8.1	–
(C-10-1)36dcb	Goshen Town Spring	12-29-59	1.1r	500	1,430	7.6	–
		4-27-65	–	–	1,440	7.5	66
(C-10-8)3ab	Indian Springs	7-15-64	–	–	520	8.0	59
		9-15-65	4.4	2,000	492	8.4	61
(C-16-2)2aad	Chase Springs	6-13-63	3.1	1,400	1,910	7.4	62
27dbd	Blue Springs	1-22-63	22	9,900	607	7.7	63
		5-23-68	–	–	609	7.5	64
34aab	Molten Springs	10-23-62	–	–	725	7.8	62
		12- 4-62	–	–	700	7.6	61
		1- 6-63	5.96	2,680	760	7.8	61
		3-26-63	–	–	729	7.5	62
		11-19-63	5.86	2,630	674	7.9	62
(C-20-7)10a	Clear Lake Springs	4-24-63	23.3	10,300	3,830	7.1	–
		3-10-65	24.4	11,000	3,340	7.9	62
		5-23-68	–	–	3,230	7.8	54
(C-21-1)11aaa	Redmond Lake Spring	9-27-68	13.3r	6,000	949	7.8	70
(C-21-2½)2a	Maple Grove Spring	7- 1-63	–	–	435	7.4	52
(C-23-2)27ccd	Cove Spring	8-21-56	–	–	560	7.8	56
		7-15-57	–	–	552	7.9	56
		5-15-68	10.3	4,650	560	7.4	59
28dad	Unnamed spring	9-21-56	1r	450	1,060	7.4	57
28ddd	Unnamed spring	9-21-56	3.1r	1,400	544	7.7	55
36cbd	Glenwood Springs	1- -41	–	–	–	7.4	–
		7-15-57	10	4,500	232	8.0	59
(C-24-2)4cbd	Spring Hill Springs	10-28-68	10r	4,500	731	7.8	55
(C-25-1)26bc	Burr Springs	6- -41	–	–	–	7.6	–
		7- 6-62	2	900	158	7.5	50
(C-27-15)10a	Wah Wah Springs	9-14-62	1	450	624	7.9	67
		9-14-62	–	60	592	7.9	66
		5-27-68	–	–	600	7.8	68
(C-29-3)16ccb	Barnson Spring	10-22-59	–	–	423	7.6	58
		9-24-63	12	5,400	433	7.5	58
(C-30-3)17cba	Mitchell Slough	5-14-62	8.1	3,670	418	7.6	59
(C-30-4)16ab	Circleville Spring	12- 3-62	0.13-1.0r	60-450	85	7.2	44
(C-32-2)2acd	Unnamed spring	6- 7-62	1r	450	420	7.8	50
23adb	Deer Creek Spring	6-26-62	.45	200	519	7.9	50
(C-32-5)35abb	Marshall Slough	5-14-62	3	1,350	568	7.8	57
(C-34-3)27ddc	Tom Best Spring	7-31-62	1.1	500	408	7.8	50
(C-34-6)18c	Panguitch Spring	12- 7-40	1.05r	475	–	7.5	–

Parts per million												Dissolved solids	Calcium magnesium	Noncarbonate	Agency making analysis
SiO_2	Ca	Mg	Na	K	HCO_3	CO_3	SO_4	Cl	F	NO_3	B				
36	119	57	502	27	218	0	90	980	–	3.1	.16	1,920c	532	353	GS
37	125	54	483	28	216	0	87	960	–	1.5	–	1,890c	534	357	GS
23	126	72	681	38	266	0	116	1,260	.6	.6	.28	2,610	610	392	GS
16	79	24	244		280	0	76	365	.3	.1	–	942	294	64	GS
25	76	41	288		242	0	144	450	–	4.6		1,150	358	160	GS
15	106	42	321	8.0	268	0	251	480	0.0	4.5	.16	1,360c	437	217	GS
13	106	47	347	9.0	275	0	255	535	–	5.1	.20	1,450c	458	232	GS
12	104	46	325	8.3	266	0	263	495	–	5.1	.16	1,390c	448	230	GS
15	106	44	329	8.7	262	0	265	480	–	3.8	.22	1,380c	446	231	GS
12	99	45	307	9.1	270	0	250	450	–	4.3	–	1,320c	432	211	GS
14	109	42	317	8.4	278	0	253	460	–	4.9	–	1,360c	444	216	GS
11	99	47	315	7.8	272	0	253	460	–	2.8	–	1,340c	440	217	GS
30	108	41	631		267	0	51	1,090	–	3.8	–	2,090c	440	221	GS
–	–	–	–	–	204	–	22	810	–	–	–	–	363	–	GS
11	41	11	27	1.1	169	0	14	41	.2	.3	.03	229	148	9	GS
17	152	61	1,970	66	241	0	280	3,150	.4	6.9	.47	5,980	630	432	GS
7.6	63	10	8.7	.3	238	0	8.2	11	.2	.2	.03	223	200	5	GS
4.6	63	5.8	10		213	0	7.4	14	–	.2	–	203	180	5	GS
10	59	20	8.7		236	0	29	18	–	2.3	–	253	232	38	GS
38	127	43	106	10	243	–	128	270	.3	1.1	.1	1,017r	491	293	DH
53	122	44	129		245	0	147	274	–	32	–	952	485	284	GS
11	51	19	30	1.1	246	0	18	40	.0	2.4	.02	293	207	5	GS
5.6	38	19	33		192	8	19	40	–	.2	–	246	176	5	GS
25	130	84	138		268	0	214	370	–	7.2	–	1,190	670	450	GS
14	59	34	19		306	–	22	38	–	1.5	–	334	288	37	GS
14	56	36	21	1.9	303	0	26	42	.2	3.4	.02	345	286	38	GS
13	63	38	33		310	0	35	68	–	1.5	–	410	315	61	GS
14	62	38	29		309	0	33	62	–	.2	–	399	312	59	GS
13	63	42	34		311	0	38	76	–	1.3	–	433	328	73	GS
–	–	–	34		310	0	37	66	–	–	–	–	312	58	GS
13	57	38	31		309	0	26	60	–	2.8	–	381	300	47	GS
29	160	106	505		263	0	539	815	–	8.5	–	2,460	835	619	GS
28	152	101	443		266	0	472	738	–	7.8	–	2,090	795	577	GS
28	140	98	393	34	262	0	470	685	.7	7.2	.95	2,150	752	537	GS
37	28	28	141	4.2	220	0	89	162	1.0	.9	.20	564	184	4	GS
6.8	57	21	4.1		273	0	5.6	5.0	–	3.1	–	232	230	6	GS
–	–	–	30		192	0	76	42	–	–	–	–	224	67	GS
36	52	20	25	4.1	184	0	68	39	.2	2.9	–	338c	212	60	GS
35	57	21	26	3.4	174	0	70	47	1.2	3.7	.08	372	230	87	GS
–	–	–	36	–	250	0	324	46	–	–	–	–	532	327	GS
–	–	–	32	–	190	0	76	36	–	–	–	–	212	56	GS
33	25	6.6	15		–	–	4.8	15	.2	.0	–	183r	90	–	DH
41	26	6.4	10	1.9	114	0	3.2	13	.1	.7	–	179	91	0	GS
34	79	31	29	3.2	218	0	98	63	.8	13	.10	493	324	145	GS
32	24	8.1	9.1		–	–	2.8	12	.2	.0	–	146r	93	–	DH
33	23	3.9	4.9	1.2	92	0	2.5	5.0	.3	.1	.02	120	74	0	GS
13	67	29	22	1.5	316	0	14	37	.1	5.7	.02	340c	286	27	GS
13	60	30	20	1.2	298	0	14	36	.1	4.9	.02	324c	274	30	GS
13	63	32	20	1.2	310	0	14	42	.2	6.9	.02	338	286	32	GS
33	45	13	27		188	0	42	16	–	2.9	–	271c	165	11	GS
36	54	11	23	2.5	201	0	44	16	.2	2.9	.04	280	179	14	GS
51	52	6.1	30		184	0	51	9.0	–	2.8	.06	291	154	3	GS
35	9.6	2.7	6.0		52	0	1.9	2.5	–	0	–	86	35	0	GS
34	51	16	13		234	0	12	12	.1	2.3	.05	259	194	2	GS
25	74	18	14	1.8	318	0	16	10	.2	2.6	.06	299	258	0	GS
46	72	22	26	–	361	0	10	12	–	3.0	.06	351	270	0	GS
30	53	14	18		246	0	1.7	6.0	.2	.9	.04	246	191	0	GS
17	22	2.2	10		98	0	4.8	7.0	0	0	–	131r	65	0	DH

Table 2. continued

Spring number	Name of spring	Date of collection	Water discharge		Specific conductance (micromhos/cm at 25° C)	pH	Temperature (° F)
			Cfs	Gpm			
		6-27-50	1.05r	475	167	7.7	–
		8- 6-55	1.05r	475	–	7.2	–
		5-14-62	1.05r	475	180	7.5	51
(C-36-7)18acb	Blue Spring	9-28-68	10	4,500	203	7.3	43
31dac	Mammoth Spring	7-14-54	1.8-314r	810-141,000	152	7.3	40
		8- 6-54	–	–	152	7.9	40
		9-28-68	–	–	158	7.5	43
(C-37-6)32dac	Upper Asay Spring	7-13-54	8r	3,600	410	7.5	47
		8- 3-54	–	–	408	7.6	48
		8-11-54	–	–	406	8.3	47
		10- 1-68	–	–	387	7.6	46
33bc	Lower Asay Spring	7-13-54	–	–	282	7.4	–
		8- 3-54	29	13,000	294	7.7	–
		8-11-54	–	–	280	7.8	–
		10- 1-68	–	–	397	7.6	46
(C-38-8)12cd	Duck Creek Spring	7-16-54	9.3-25r	4,200-11,200	207	7.4	50
		8- 2-54			226	7.7	45
		8- 4-54			181	7.6	45
		8-21-54			203	8.2	–
(C-39-11)13bab	Blue Springs	11-11-63	2r	900	143	6.9	–
(C-40-7)10dda	Big Spring	7-17-63	1.1	500	–	–	57
(C-40-13)35acd	Upper Ash Creek Springs	10-25-68	8-22	3,600-9,900	682	7.7	62
(C-41-13)11cad	Lower Ash Creek Springs	10-28-68	5.9	2,660	773	7.7	62
(D-2-1)2cdc	Casto Spring	12-31-40	0.5-7.0r	225-3,150	–	–	–
		4-12-48			–	–	–
		9-22-58			558	7.5	52
11baa	Dry Creek Spring	12-19-52	0.5-5.0r	225-2,250	–	–	–
		9-22-58			556	7.7	52
(D-2-21)24c	Big Brush Creek Spring	5-16-67	3-200	1,350-90,000	163	8.0	–
(D-3-4)21bbb	Epperson Spring	9-18-50	3.5r	1,580	–	–	–
21dcc	Gerber Spring	5-29-52	2.5r	1,125	–	–	–
		9-12-68			552	7.3	–
22bcc	Mahogany Spring	5-29-52	7.0r	3,150	–	–	–
(D-3-19)9a	Deep Creek Spring	7-29-54	–	–	150	7.9	45
		7-30-68	4.5	2,025	151	7.1	46
(D-3-20)1bd	Ashley Creek Spring	9- -40	–	–	–	7.5	–
		8-12-55	–	–	152	7.3	–
		7-29-68	44.5	20,000	125	7.4	48
(D-3-25)1bdd	Jones Hole Spring	9-10-65	–	–	317	7.9	55
		7-30-68	36.9	16,600	317	7.6	57
(D-4-2)17ba	Grove Spring	5- 2-39	–	–	–	–	–
		4- -51	7.8r	3,510	–	7.6	–
(D-4-3)24adb	Cascade Spring	9-12-68	15	–	524	7.8	–
27bc	Cave Camp Spring	3- 7-63	3r	1,350	461	8.1	–
(D-4-5)4aab	Heber City Spring area	3- 3-48	2-7r	900-3,150	–	–	–
		9-21-50	–	–	–		–
		9-21-50	–	–	–	8.4	–
(D-4-24)36bdc	Hog Canyon Spring	7-31-68	0.04-2.0r	18-900	352	7.8	66
(D-4-25)31cca	Cub Creek Spring	7-31-68	.26-2.0r	117-900	454	7.7	66
(D-5-1)15d	Mill Pond Spring	9-12-68	10-17r	4,500-7,650	679	7.6	61
(D-7-3)28d	Spring Creek Spring	4-19-61	10-29r	4,500-13,000	520	7.6	55

Parts per million												Dissolved solids	Calcium magnesium	Noncarbonate	Agency making analysis
SiO_2	Ca	Mg	Na	K	HCO_3	CO_3	SO_4	Cl	F	NO_3	B				
28	22	4.5	7.8	4.2	100	0	3.5	3.3	.4	.2	.00	118	73	0	GS
27	26	.2	14		93	0	15	3.0	.6	1.5	–	118r	66	0	DH
28	24	4.6	7.4	.4	107	0	4.3	4.0	.1	.1	.02	129	80	0	GS
26	25	11	3.5	1.6	132	0	2.5	1.5	.3	.5	.00	134	108	0	GS
–	–	–	–	–	92	0	–	2.5	–	–	–	–	70	0	GS
20	20	4.7	6.4		92	0	3.6	2.5	–	1.0	–	103c	70	0	GS
18	19	8.3	3.4	1.0	100	0	3.5	1.1	.3	.6	.00	104	82	0	GS
–	–	–	–	–	271	0	3.0	–	–	–	–	–	221	0	GS
9.0	54	22	3.7		271	0	7.4	20	–	.7	–	210c	224	2	GS
9.2	52	23	3.0		259	6	4.0	2.5	–	.7	–	227c	223	1	GS
6.1	42	28	1.3	.5	266	0	3.8	1.5	.3	.1	.00	212	222	4	GS
–	–	–	–	–	182	0	–	2.5	–	–	–	–	149	0	GS
11	41	13	8.0		193	0	11	2.5	–	.7	–	182c	156	0	GS
10	38	12	5.8		182	0	3.6	2.5	–	.7	–	163c	146	0	GS
6.8	47	27	1.4	.2	267	0	4.0	1.4	.2	.4	.01	220	230	11	GS
–	–	–	–	–	130	0	2.5	–	–	–	–	–	104	0	GS
12	33	8.1	5.5		145	0	4.1	2.5	–	1.0	–	137c	116	0	GS
9.1	27	5.3	7.6		115	0	6.6	3.0	–	1.0	–	117c	90	0	GS
13	–	–	–	–	128	0	3.7	–	–	–	–	–	104	0	GS
31	14	8.5	4.2	1.5	84	0	4.7	3.5	.1	1.4	.01	111	69	0	GS
7.6	35	13	9.7		171	–	6.7	10	–	–	–	180	140	0	GS
36	78	32	22		220	0	159	18	–	3.1	.06	474	326	146	GS
36	84	43	27		274	0	180	20	–	6.8	.07	544	386	161	GS
13	84	24	9.1		222	0	120	14	.6	.0	–	426r	308	126	DH
10	80	22	11	2	222	0	117	13	–	–	–	408r	290	108	DH
7.2	77	25	12		218	0	123	8	–	1.0	–	360c	294	115	GS
6.0	71	30	4.6		224	0	112	6.6	.6	.0	–	388r	,303	119	DH
7.8	76	24	12		218	0	122	7.5	–	1.3	–	358c	290	111	GS
–	25	6.6	1.4	2.3	95	0	15	.7	–	–	–	119	–	–	BR
6.9	63	26	3.6		–	–	41	5.5	.3	2.2	–	294r	264	–	DH
2.2	77	6.3	55		314		67	6.7	.3	.1	–	346r	218	0	DH
7.0	61	30	7.3	1.1	292	0	39	7.0	.6	2.0	.03	290	275	36	GS
2.7	74	.9	–	–	304	–	15	7.3	.3	.1	–	314c	188	0	DH
–	–	–	–	–	84	0	9.1	–	–	–	–	–	74	4	GS
5.3	18	8.0	.9	.5	87	0	7.8	1.1	.0	.5	.00	90	79	8	GS
6.8	22	5.9	3.9		–	–	4.7	6.0	.2	.0	–	94r	78	–	DH
7.9	22	4.8	1.4	.3	88	0	3.0	1.2	–	–	–	85c	76	4	GS
4.5	14	7.8	.9	.4	76	0	3.8	1.0	.0	.6	.00	70c	66	4	GS
11	46	14	2.7	.7	196	0	6.4	2.7	.2	1.7	.03	168	171	10	GS
10	39	17	2.7	.8	200	0	7.0	1.8	.4	2.6	.01	180	168	4	GS
8.0	64	15	9.5		190	0	26	6.0	–	–	–	256r	220	–	DH
6.6	50	18	15		207	–	21	2.4	.05	–	–	237	199	–	DH
7.6	103	7.8	3.8	.5	238	0	94	3.0	.4	1.7	.00	338	288	93	GS
6.6	68	20	3.5	.5	262	0	29	8.5	.1	.2	.03	267	252	37	GS
25	49	12	5.0		185	–	10	11	.3	.0	–	215r	170	–	DH
–	52	17	–		225	–	34	8.5	.1	–	–	278r	198	–	DH
24	46	16	4.6		182	6	22	7.3	.3	.2	–	228r	181	–	DH
9.3	35	23	4.2	1.0	197	0	21	4.5	.2	4.7	.01	200	184	22	GS
11	51	29	3.9	1.2	248	0	44	2.7	.1	2.7	.01	268	246	43	GS
15	68	42	19	2.8	331	0	88	15	.5	6.9	.02	425	342	71	GS
9.7	69	24	9.3	1.1	283	0	38	9.5	.2	3.5	.11	296	271	39	GS

Table 2. continued

Spring number	Name of spring	Date of collection	Water discharge		Specific conductance (micromhos/cm at 25° C)	pH	Temperature (° F)
			Cfs	Gpm			
		7-12-61			525	7.5	54
32d	Wood Springs	4-28-65	3.7	1,650	677	8.1	53
(D-7-3)34dcc and (D-8-3)3a	Wheeler Springs	8-22-66	1.0-5.7r	450-2,560	583	7.7	52
35dbd	Spring Creek Springs	6-28-50	3-11r	1,350-4,950	–	–	–
(D-7-4)7 and 8	Bartholomew Spring	12- 4-57	1-4r	450-1,800	302	7.6	45
(D-8-3)1cac	Burt Spring	4-29-65	7.8	3,500	439	7.7	48
		8-22-66	3-9r	1,350-4,050	441	8.2	49
1cad	Cox Springs	8-22-66	1.5-4.0r	675-1,800	455	8.0	52
4ca	Dry Creek Springs	8- 6-64	2.2-7.0r	950-3,150	756	7.5	60
9d	Big Hollow Springs	8-25-66	3-4.5r	1,350-2,025	782	8.1	59
(D-9-2)11d	Salem Lake Spring	5-27-64	3.0	1,360	825	7.6	55
29	Spring Lake Springs	7- 6-60	1.5-4.0	675-1,800	415	8.4	–
(D-9-3)12bda	Cold Springs	4-29-65	4.5	2,025	977	7.6	55
(D-11-8)27dad	Colton Spring	8-10-62	1.3r	600	528	8.1	48
(D-12-1)3bbc	Clover Creek Spring	6-21-41	1.3-11r	600-5,000	–	7.4	–
		5-13-65			–	7.9	48
6d	Burriston Ponds[1]	5-15-65	1.7	750	1,450	8.0	53
(D-13-2)5cbd	Bradley Spring	3-23-50	–	–	–	7.6	
		5-13-65	4	1,800	379	7.7	52
(D-14-2)2bab	Big Spring	2-26-41	4-17.5r	1,800-79,000	–	7.3	–
		8-29-57			455	7.9	55
		2-20-64			445	7.8	–
(D-15-2)2ada	Freedom Spring	5- 7-41	1r	450	–	–	–
(D-15-5)22bbb	Coal Fork Spring	2-20-64	1.1-1.3r	500-600	535	8.0	–
(D-17-4)16dcd	Big Spring	4-10-41	1.4-4.0r	625-1,800	–	7.7	–
		8-28-57			376	8.1	45

[1] Discharge and chemical analysis are for one of many unnamed springs that feed Burriston Ponds.

Parts per million												Dissolved solids	Calcium magnesium	Noncarbonate	Agency making analysis
SiO_2	Ca	Mg	Na	K	HCO_3	CO_3	SO_4	Cl	F	NO_3	B				
9.8	73	23	9.0	.7	288	0	42	11	.1	3.8	.02	303	278	42	GS
8.6	86	29	21		336	0	67	20	–	7.1	–	391	332	56	GS
–	87	18	11	1.2	281	0	65	12	–	–	–	361	289	59	BR
7.0	44	18	4.1	–	208	0	11	3.6	–	3.5	–	188r	173	0	DH
21	48	6.6	8.1	–	184	0	9.0	2.5	–	1.3	–	186	147	0	GS
8.4	65	16	7.8	1.1	237	0	40	3.9	.1	2.0	.02	267	227	33	GS
–	63	16	7.1	1.6	236	0	33	8.5	–	–	–	259	222	28	BR
–	66	18	6.9	1.2	250	0	36	8.5	–	–	–	260	238	33	BR
18	103	28	27	–	378	0	57	22	–	34	–	477	370	60	GS
–	49	45	49	5.1	314	0	102	43	–	–	–	499	309	52	BR
22	83	35	55		416	0	70	34	–	9.7	–	512	350	9	GS
–	39	30	6.4	2.0	214	7.8	33	8.5	–	–	.22	219	218	30	BR
9.7	143	30	38	2.7	285	0	258	55	.5	.3	.05	690	480	246	GS
6.8	72	27	5.5		314	0	30	9.0	–	1.2	–	282	290	33	GS
–	44	18	6.9		–	–	24	15	.8	–	–	204	184	–	DH
5.6	42	17	2.4		188	0	18	2.7	.5	1.7	–	172r	174	20	GS
14	107	54	123		328	0	179	205	–	15	–	898	490	221	GS
8.8	64	8.9	3.8		208	0	3.6	7.2	.1	3.5	–	234r	196	–	DH
11	63	8.8	8.9		234	0	8.6	8.2	.4	.2	–	213	194	2	GS
4.0	62	16	12		274	0	7.7	13	.0	.0	–	252r	219	–	DH
8.0	62	11	19	2.2	278	0	8.2	6.4	.1	2.0	–	243	200	0	GS
7.0	63	17	7.0	.6	–	–	9.0	9.0	.1	.6	.07	246r	228	–	DH
2.7	54	22	7.8		262	–	11	12	.2	–	–	277	225	–	SC
6	72	31	3.0	1.2	331	–	16	7	.1	.5	.02	320r	306	–	DH
1.5	39	27	12	2.5	252	–	13	9	.0	.0	–	252c	208	–	DH
5.1	45	21	9.8	2.2	262	0	8.8	1.8	.1	2.0	–	210	199	0	GS

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EXPLANATION

Spring

Locations and names are given in Table 1

8 4 0 8 Miles

LOCATIONS OF KNOWN AND REPORTED SPRINGS IN UTAH

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EXPLANATION

Spring

Number by spring symbol is spring location number

Calcium (Ca)

Magnesium (Mg)

Sodium and Potassium (Na + K)

Bicarbonate (HCO_3)

Sulfur (SO_4)

Chloride (Cl)

8 4 0 8 Miles

EQUIVALENTS PER MILLION

DIAGRAMMATIC REPRESENTATION OF THE MAJOR CHEMICAL CHARACTERISTICS OF WATER FROM SELECTED SPRINGS IN UTAH

(A-14-5)6dbd
(A-13-1)32adc
(A-12-1)4bab
(B-12-10)36cab
(B-11-9)5cca
(B-11-1)21dac
(A-11-1)15bbc
(A-11-1)23cda
(B-11-1)34dac
(B-10-1)10aac
(B-10-1)17cac
(A-10-2)29acd
(A-2-19)16bb
(C-2-4)10bcd
(C-2-4)15cac
(D-2-1)11baa
(D-2-1)2cdc
(D-3-4)21dcc
(D-3-4)22bcc
(D-3-4)21bbb
(D-4-2)17ba
(D-4-5)4aab
(D-4-3)24adb
(C-5-6)32bba
(D-5-1)15d
(C-6-2)29ccc
(D-7-3)28d
(D-7-3)32d
(D-3-25)1bdd
(D-3-20)1bd
(D-4-24)36bdc
(D-4-25)31ccd
(D-3-19)9a
(D-9-2)11d
(C-10-8)30ab
(D-11-8)27dad
(D-12-1)6d
(D-12-1)3bbc
(D-14-2)2bab
(C-16-2)2aad
(C-16-2)27dbd
(C-16-2)34aab
(D-17-4)16dcd
(D-18-1)19dab
(D-18-2)23aac
(D-18-4)20bb
(D-19-2)9ccb
(D-19-2)20ddd
(C-20-7)10a
(C-23-2)36cbd
(C-24-2)4cbd
(D-24-1)18bcd
(C-27-15)10a
(D-27-2)25baa
(D-27-3)22dcb
(D-28-3)34baa
(C-29-3)16ccb
(C-32-2)23adb
(C-36-7)18acb
(C-36-7)31dac
(C-37-6)32dac
(C-37-6)33bc
(C-40-7)10dda

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