SELECTED HYDROLOGIC DATA FOR SNYDERVILLE BASIN, PARK CITY, AND ADJACENT AREAS, SUMMIT COUNTY, UTAH, 1967-95

By Paul A. Downhour and Lynette E. Brooks

U.S. GEOLOGICAL SURVEY

Open-File Report 96-494

Prepared in cooperation with the
UTAH DEPARTMENT OF NATURAL RESOURCES,
DIVISION OF WATER RIGHTS

Salt Lake City, Utah
1996

U.S. DEPARTMENT OF THE INTERIOR

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Multiply	By	To obtain
acre	0.4047	hectare
	4,047	square meter
acre-foot (acre-ft)	0.001233	cubic hectometer
	1,233	cubic meter
cubic foot per second (ft^3/s)	0.02832	cubic meter per second
foot (ft)	0.3048	meter
inch (in.)	25.4	millimeter
mile (mi)	1.609	kilometer
square mile (mi^2)	2.590	square kilometer

The unit cubic feet per second (ft^3/s) is used in this report and also can be expressed as 1 ft^3/s = 1.9835 acre-feet per day.

Water temperature is reported in degrees Celsius (^oC), which can be converted to degrees Fahrenheit (^oF) by the following equation:

$$^oF = 1.8\ (^oC) + 32.$$

Sea level: In this report, "sea level" refers to the National Geodetic Vertical Datum of 1929—a geodetic datum derived from a general adjustment of the first-order level nets of the United States and Canada, formerly called Sea Level Datum of 1929.

Chemical concentration and water temperature are reported only in metric units. Chemical concentration in water is reported in milligrams per liter (mg/L), which expresses the solute weight per unit volume (liter) of water. For concentrations less than 7,000 milligrams per liter, the numerical value is about the same as for concentrations in parts per million (ppm). Specific conductance is reported in microsiemens per centimeter at 25 degrees Celsius (µS/cm). Stable-isotope concentration is reported as permil, which is equivalent to parts per thousand. Tritium concentration in water is reported as picocuries per liter (pCi/L). The ratio of 1 atom of tritium to 10^{18} atoms of hydrogen is equal to 3.2 picocuries per liter or 1 tritium unit. Chlorofluorocarbon concentration is reported as picograms per kilogram of solution (pg/kg), which is about the same as for concentrations in picograms per liter.

Selected Hydrologic Data for Snyderville Basin, Park City, and Adjacent Areas, Summit County, Utah, 1967-95

By Paul A. Downhour and Lynette E. Brooks

ABSTRACT

Hydrologic data were collected in Snyderville Basin, Park City, and adjacent areas, Summit County, Utah, from 1993 to 1995 to better understand the hydrologic system. Data from earlier years also are presented. Data collected from wells include well-completion data, lithology, water-level measurements, and physical properties of the water. Data collected from springs and surface-water sites include discharge and physical properties of the water. Water samples collected from ground- and surface-water sites were analyzed for isotopes and chlorofluorocarbons.

INTRODUCTION

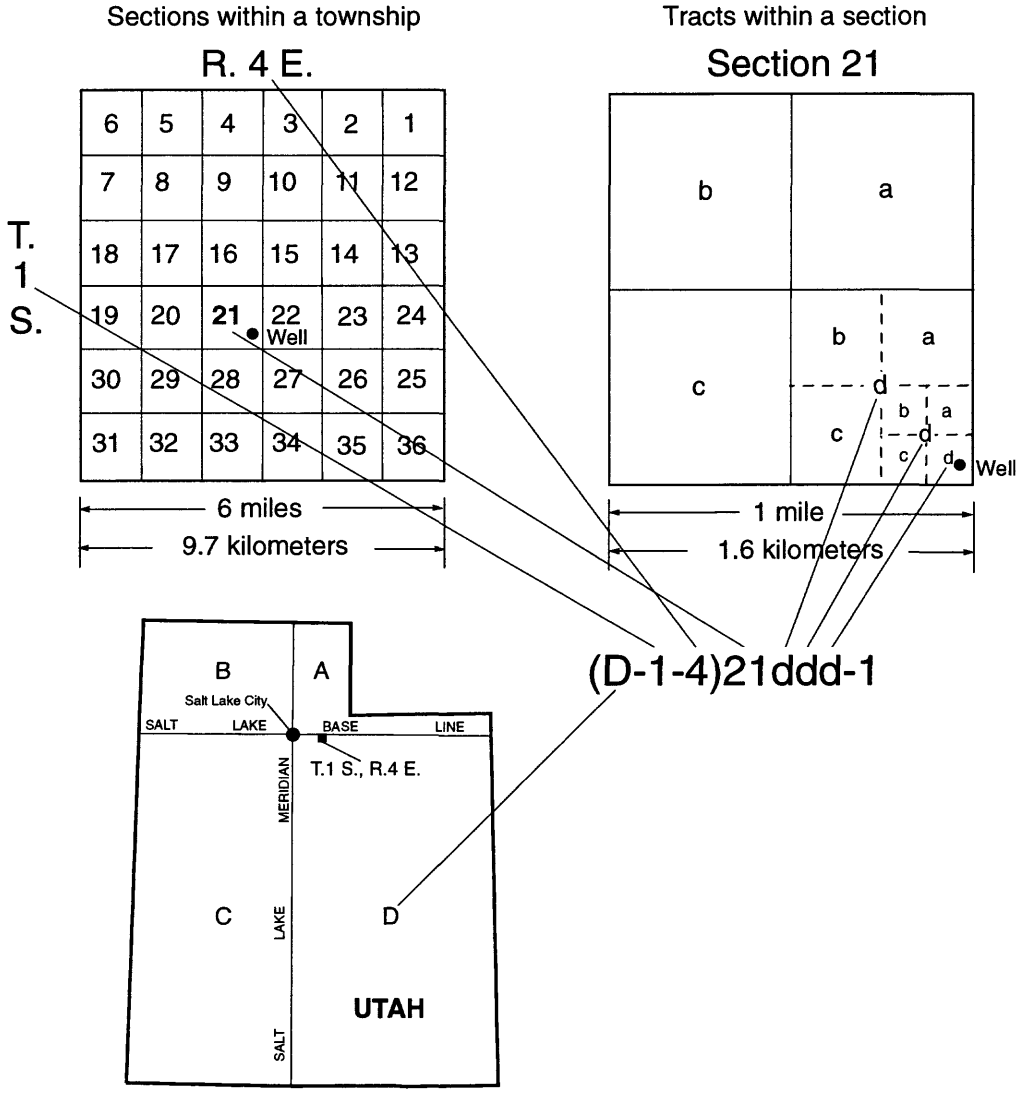
This report contains hydrologic data collected in Snyderville Basin, Park City, and adjacent areas of Summit County, Utah, from 1967 to 1995. The study area is in the southwestern corner of Summit County and includes all of the East Canyon Creek drainage within the county and the Silver Creek drainage from its headwaters to Tollgate Canyon, several miles north of Interstate 80 (I-80). The study area includes the area generally south of and straddling I-80 through which East Canyon Creek flows (Snyderville Basin), the area around Park City, and the area from Keetley Junction to I-80. The area is in the Middle Rocky Mountains physiographic province described by Fenneman (1931) and includes about 100 mi^2.

Population in this area has substantially increased from 1980 through 1993; much of this increase has occurred since 1987. Residential, industrial, and commercial development in the area is increasing, and ski areas are developing additional snow-making operations. The bobsled, luge, ski-jumping, and giant slalom events for the 2002 Winter Olympics are proposed for the Snyderville Basin/Park City area. One of the major constraints on development of additional residential areas and commercial activities is water supply. Surface water in the area is part of the Weber River drainage basin and is fully appropriated. The need for increased ground-water withdrawals prompted the Utah Department of Natural Resources, Division of Water Rights, to initiate a 4-year study of the ground-water resources of the area in cooperation with the U.S. Geological Survey. Data were collected to better understand the hydrologic system in the area and to assess the effects of increased ground-water withdrawals on ground-water levels, discharge from springs, surface-water flows, and water quality.

This report documents hydrologic data collected during 1993-95 as part of that study. The ground-water data were collected from existing wells and from new wells completed by private owners and water companies during 1993-95. For comparison, this report also provides data from earlier years, some of which were published previously by Baker (1970), Holmes and others (1986), and Mason (1989). Data also are available in ReMillard and others (1995) for four long-term surface-water monitoring sites in or near the area: Silver Creek near Wanship, Utah (10130000); Kimball Creek above East Canyon Creek near Park City, Utah (10133450); McLeod Creek near Park City, Utah (10133600); and East Canyon Creek above Big Bear Hollow near Park City, Utah (10133895).

The numbering system used in Utah for hydrologic-data sites is illustrated in figure 1. Well-completion data are listed in table 1 for 109 wells. The location of these wells is shown in figure 2. Drillers' logs for selected wells are presented in table 2. Water levels in selected wells are listed in table 3. Continuous water-level recorders were installed on three wells, and the water-level fluctuations in those wells are shown in figure 3. The location of selected springs and tunnel portals is shown in figure 4, and the location of selected surface-water sites is shown in figure 5. Physical properties, chemical analyses, and isotopic determinations are listed in table 4 for 37 ground- and surface-water sites. Standard field procedures were used to collect the water-quality samples. Samples for chlorofluorocarbons were collected directly from the well or spring with equipment that prevented contamination of the

The system of numbering wells and springs in Utah is based on the cadastral land-survey system of the U.S. Government. The number, in addition to designating the well or spring, describes its position in the land net. The land-survey system divides the State into four quadrants separated by the Salt Lake Base Line and the Salt Lake Meridian. These quadrants are designated by the uppercase letters A, B, C, and D, indicating the northeast, northwest, southwest, and southeast quadrants, respectively. Numbers designating the township and range, in that order, follow the quadrant letter, and all three are enclosed in parentheses. The number after the parentheses indicates the section and is followed by three letters indicating the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section—generally 10 acres for a regular section[1]. The lowercase letters a, b, c, and d indicate, respectively, the northeast, northwest, southwest, and southeast quarters of each subdivision. The number after the letters is the serial number of the well or spring within the 10-acre tract. When the serial number is not preceded by a letter, the number designates a well. When the serial number is preceded by an "S," the number designates a spring. A number having all three quarter designations but no serial number indicates a miscellaneous data site other than a well or spring, such as a location for a surface-water measurement site or tunnel portal. Thus, (D-1-4)21ddd-1 designates the first well constructed or visited in the southeast 1/4 of the southeast 1/4 of the southeast 1/4 of section 21, T. 1 S., R. 4 E.



[1]Although the basic land unit, the section, is theoretically 1 square mile, many sections are irregular in size and shape. Such sections are subdivided into 10-acre tracts, generally beginning at the southeast corner, and the surplus or shortage is taken up in the tracts along the north and west sides of the section.

Figure 1. Numbering system used for hydrologic-data sites in Utah.

sample with air. Basic ion and tritium analyses were done by the U.S. Geological Survey Water Quality Laboratory. Isotope determinations were done by the U.S. Geological Survey Isotope Fractionation Project. Chlorofluorocarbon analyses were done by the U.S. Geological Survey Eastern Region Office of Hydrologic Research. Discharge and physical properties of the water from selected springs are listed in table 5, and from selected surface-water sites are listed in tables 6 and 7. These data were collected using standard field procedures. Continuous gage-height recorders were installed on two streams, and the gage height has been converted to discharge. Daily mean discharge for the two streams are shown in figure 6 and listed in tables 8 and 9.

These data could not have been collected without the cooperation of local residents and officials of water companies and municipalities, who permitted access to their wells, property, and data. In some cases, this included helping to locate wells buried by snow, shoveling, and providing snowmobiles for water-quality sampling.

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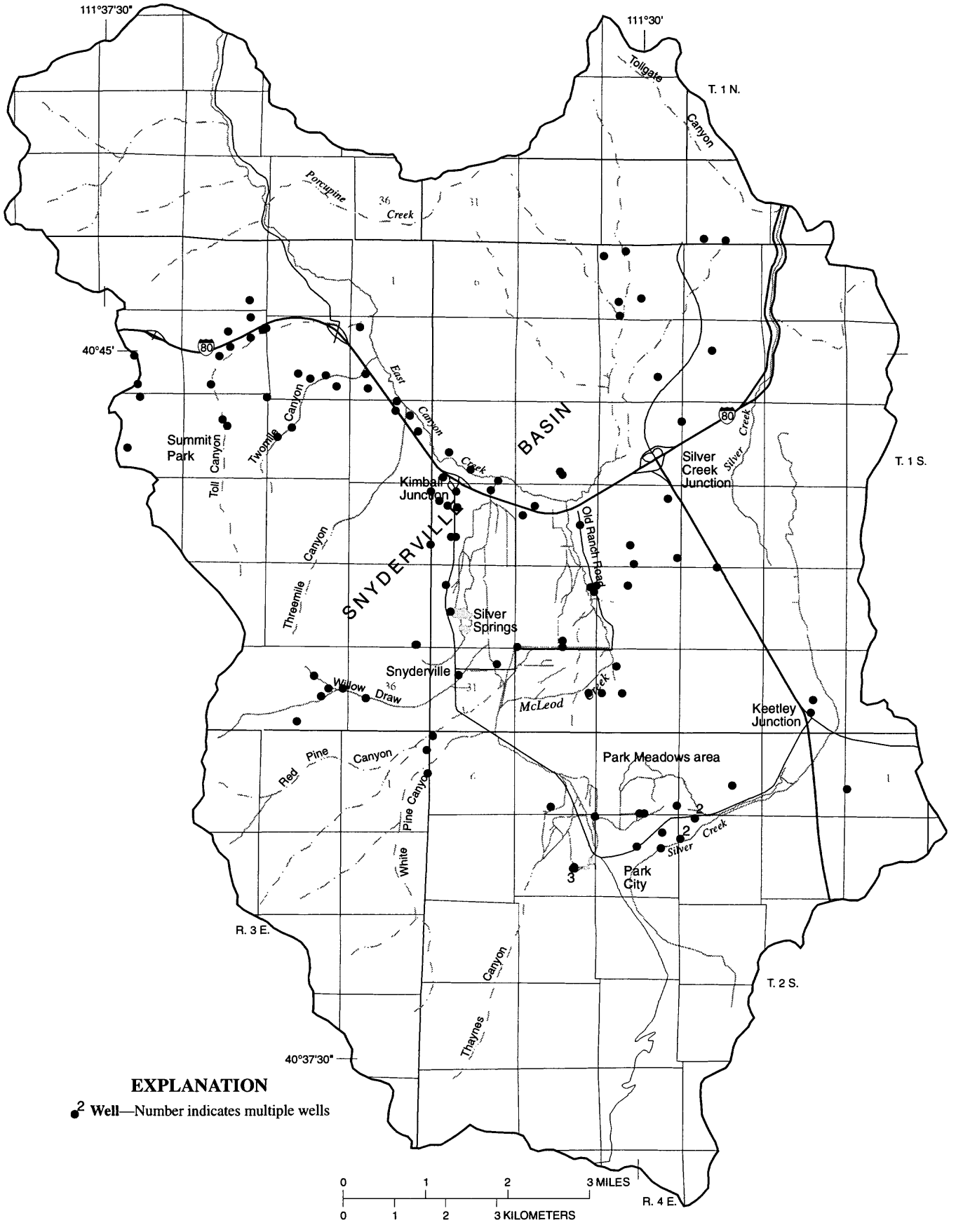

Figure 2. Location of selected wells, Snyderville Basin, Park City, and adjacent areas, Utah.

Table 1. Records of selected wells in Snyderville Basin, Park City, and adjacent areas, Utah

[—, no data available]

Well number: See figure 1 for an explanation of the numbering system used for hydrologic-data sites in Utah.
Primary use of water: H, domestic; P, public supply; U, unused.
Formation: KTLY, Keetley Volcanics; PRSS, Preuss Sandstone; TCRK, Twin Creek Limestone; ALVM, unconsolidated deposits;
Altitude of land surface: Feet above sea level. Altitudes are reported to the nearest 0.01 foot when the well has been surveyed.
Casing: Finish: P, perforated; F, gravel with perforations; X, open hole; S, screen; G, gravel screen; O, open end.
Other data available: L, driller's log in table 2; W, water-level measurements in table 3; C, chemical analyses in table 4.

Well number	Owner	Year of construction	Primary use of water	Formation	Altitude of land surface (feet)
(A-1-4)34ccd-1	Menlove, Mark	1992	H	KTLY	7,040
(A-1-4)34cdd-2	Taylor, Scott D.	1992	H	—	7,020
(D-1-3)3ddb-1	Summit Water Distribution Company	1968	P	PRSS	6,540
(D-1-3)9caa-1	Summit Park Special Service District	1961	P	TCRK	7,100
(D-1-3)9cdd-2	Summit Park Special Service District	1964	P	TCRK	7,240
(D-1-3)10aab-1	South Ridge Mutual Water Company	1966	P	TCRK	6,640
(D-1-3)10aad-1	Sweat, Doyle	1965	U	TCRK	6,470
(D-1-3)10aad-2	Maedel, Charles	1975	H	TCRK	6,480
(D-1-3)10aad-3	Redden, Lorin	1993	U	TCRK	6,460
[1](D-1-3)10acb-1	Ronnow, C.	1961	H	ALVM	6,640
(D-1-3)10acc-1	Rohr, Robert M. and Ellen E.	1993	H	—	6,600
(D-1-3)10adb-1	Weileamann, Milton	1974	H	—	6,520
(D-1-3)10caa-1	Timberline Inc.	1987	P	TCRK	6,620
(D-1-3)10cdb-1	Timberline Inc.	1964	P	TCRK	6,720
(D-1-3)11cad-1	Gorgoza Mutual Water Company		U	ANKR	6,580
(D-1-3)11dbc-1	Gorgoza Mutual Water Company	1979	P	ANKR	6,500
(D-1-3)11dbd-1	Gorgoza Mutual Water Company	1986	P	ANKR	6,420
(D-1-3)11ddb-1	Gorgoza Mutual Water Company	1991	P	TYNS	6,460
(D-1-3)12bbc-1	Summit Water Distribution Company	1980	P	NGGT	6,300
(D-1-3)12cbd-1	Kilby, Larry J.	1966	H	ALVM	6,290
(D-1-3)12cca-1	Gorgoza Mutual Water Company	—	P	—	6,320
(D-1-3)13abb-1	Summit Water Distribution Company	—	P	TYNS	6,340
D-1-3)13abb-2	Summit Water Distribution Company	1995	P	TYNS	6,330
(D-1-3)13abd-1	Summit Water Distribution Company	1994	P	ANKR	6,340
(D-1-3)13adb-1	Gray, Dennis and Patti	1965	H	ANKR	6,330

ANKR, Ankareh Formation; TYNS, Thaynes Formation; NGGT, Nugget Sandstone; WEBR, Weber Quartzite; WDSD, Woodside Shale.

Depth of well (feet)	Casing			Water level		Other data available
	Diameter (inches)	Depth (feet)	Finish (feet)	Above (-) or below land surface (feet)	Date	
400	6	390	P 350-390	288.19	09-06-1995	L,W
388	6	388	P 368-388	—	—	
200	6	200	P 125-200	3.45	06-06-1984	
610	8	305	P 233-574	74.44	09-05-1995	L,W
	6	610				
600	10	500	F 200-500	—	—	
1,000	10	441	P 431-837	86.9	06-15-1984	
	8	603	X 837-1,000			
	6	837				
152	4	152	P 130-150	18.26	08-02-1995	W
205	6	205	P 125-200	44.72	05-15-1995	W,C
160	6	160	P 138-158	8.52	08-02-1995	L,W
65	6	40	X 40-65	20.73	09-05-1995	W
126	6	126	P 106-126	—	—	
250	6	225	P —	—	—	
	4	250				
470	8	470	P 370-470	—	—	C
400	10	400	P 105-400	—	—	
500	7	20	X 20-500	60.49	05-09-1995	W
306	12	291	P 131-291	36.45	05-06-1993	L,W
	10	306	S 291-301			
500	10	472	G 110-472	—	—	L
			X 472-500			
515	12.75	515	S 182-515	162.53	09-05-1995	L,W
700	10.75	498	P 100-690	—	—	C
	8.75	700				
189	8	189	P 174-189	32.55	09-05-1995	W
—	—	—	— —	87.94	09-28-1993	
197	12	100	P —	—	—	L,C
	8	118				
	6	197				
600	12	475	P 60-600	—	—	L
	8	600				
615	10	46	X 46-615	—	—	
250	5	250	P 200-250	44.02	05-15-1995	W

Table 1. Records of selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Owner	Year of construction	Primary use of water	Formation	Altitude of land surface (feet)
(D-1-3)14bcc-1	Gorgoza Mutual Water Company	—	P	TYNS	6,860
(D-1-3)14bdc-1	Gorgoza Mutual Water Company	1993	P	TYNS	6,760
(D-1-3)15aaa-1	Gorgoza Mutual Water Company	1979	P	NGGT	6,800
(D-1-3)15acb-1	Summit Park Special Service District	1990	P	TCRK	6,920
(D-1-3)15bda-1	Summit Park Special Service District	1989	P	TCRK	6,860
(D-1-3)16baa-1	Summit Park Special Service District	1981	P	TCRK	7,360
(D-1-3)16cac-1	Summit Park Special Service District	1971	P	TCRK	7,700
(D-1-3)24aaa-1	Chevron Pipeline Company	1973	U	—	6,480
(D-1-3)24dda-1	LDS Church	1981	U	NGGT	6,480
(D-1-3)25ddc-1	Silver Springs Water Company	1979	U	NGGT	6,760
(D-1-3)25ddc-2	Silver Springs Water Company	1993	P	NGGT	6,760
(D-1-3)35acb-1	Community Water Company	1980	P	NGGT	7,440
(D-1-3)35adc-1	Community Water Company	1980	P	ANKR	7,320
(D-1-3)35cdd-1	Community Water Company	1968	U	—	7,880
(D-1-3)35daa-1	Community Water Company	1979	P	—	7,160
(D-1-3)35dba-1	Community Water Company	1986	P	ANKR	7,400
[2](D-1-3)36cba-1	Community Water Company	1980	P	NGGT	7,040
(D-1-4)4bac-1	Walker, Joe	—	H	—	6,780
(D-1-4)4bbc-1	Snell, P.A.	1967	H	—	6,870
(D-1-4)4caa-1	Olsen	—	H	—	6,620
(D-1-4)4ccd-1	Burns, Robert	1967	H	KTLY	6,570
(D-1-4)4dbc-1	Burns, Robert	1967	H	ALVM	6,620
(D-1-4)9dbd-1	Ervin, Donald and Julie	1988	H	ALVM	6,500
(D-1-4)10bdc-1	—	—	H	—	6,640
(D-1-4)16aad-1	Summit County Service Area No. 3	1964	P	ALVM	6,440
(D-1-4)17dcb-2	Camerota, Stephen A.	1992	H	KTLY	6,560
(D-1-4)17dcc-1	Broussard, Dwight O.	1993	H	KTLY	6,520
(D-1-4)18cba-1	Spring Creek Water Company	1971	H	NGGT	6,400
(D-1-4)18ccc-2	Wirthlin, W.M.	1980	U	NGGT	6,410

Depth of well (feet)	Casing			Water level		Other data available
	Diameter (inches)	Depth (feet)	Finish (feet)	Above (-) or below land surface (feet)	Date	
750	12	310	P 20-568	—	—	C
	10	720	X 720-750			
830	12.75	830	F 170-830	38.97	10-06-1994	L,W
710	12	404	X 404-710	—	—	L
720	10	394	F 160-394	59.97	08-08-1995	L,W,C
			X 394-720			
700	10.75	700	F 300-700	—	—	
830	8.68	693	P 153-693	—	—	L,C
			X 693-830			
600	10	390	P 148-548	—	—	
	8	600				
154	6	154	P 104-154	—	—	
540	—	—	O —	27.18	09-05-1995	L,W
340	8	320	P 30-320	6.38	06-14-1984	
			X 320-340			
700	18	190	F 100-700	—	—	L
	12	700				
220	10	40	X 40-220	15.84	09-05-1995	W
238	8	212	P 190-212	—	—	
120	6	120	P 102-118	41.69	09-05-1995	W
409	6	409	P 250-409	5.76	08-15-1994	W,C
446	8	321	P 140-320	—	—	L,C
			X 321-446			
495	10	28	X 28-495	4.45	08-02-1995	W
—	—	—	— —	34.65	05-08-1994	W
326	6	—	O —	—	—	
—	—	—	— —	27.37	06-11-1984	
258	6	126	P 52-245	15.87	05-10-1995	W
	4	247	X 247-258			
205	6	200	P 120-195	74.11	09-07-1995	W
			X 200-205			
152	6	125	X 125-152	-22.90	08-03-1995	W,C
—	—	—	— —	116.0	04-01-1994	W
668	10	589	P 100-668	44.8	06-19-1983	
	8	668				
168	6	168	P 108-168	87.95	08-18-1995	W
160	6	160	P 102-108	66.84	05-10-1995	W
190	10	11	X 11-190	—	—	L,W
240	8	140	P 136-239	81.37	08-02-1995	W
	6	240				

Table 1. Records of selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Owner	Year of construction	Primary use of water	Formation	Altitude of land surface (feet)
[3](D-1-4)18cda-1	Spring Creek Water Company	1979	P	TCRK	6,340
(D-1-4)18ddc-1	Spring Creek Water Company	1971	H	TCRK	6,360
(D-1-4)19aba-1	Swaner, L.S.	1971	H	ALVM	6,360
(D-1-4)19bab-1	Chevron Service Station	1972	H	ALVM	6,425
[4](D-1-4)19bbc-2	Summit Water Distribution Company	1974	P	TCRK	6,480
[5](D-1-4)19bca-2	Summit County	—	H	ALVM	6,440
(D-1-4)19bdb-1	Jarman, Jack	1985	U	TCRK	6,420
(D-1-4)19cac-1	Jarman, Jack	—	U	—	6,420
(D-1-4)19cbd-1	Summit Water Distribution Company	1995	P	NGGT	6,420
(D-1-4)20bcb-1	Summit Water Distribution Company	1980	P	TCRK	6,380
(D-1-4)20bdb-1	Park City Fire District	1986	H	TCRK	6,380
[6](D-1-4)20dab-2	Flinders, George	1980	U	ALVM	6,420
(D-1-4)21aac-1	Highland Estates	1964	P	KTLY	6,540
(D-1-4)21cad-1	Flinders Water Company	—	U	—	6,480
(D-1-4)21cdd-1	Flinders, George	1978	H	TCRK	6,546
(D-1-4)21ddd-1	Atkinson Special Service District	1992	P	TCRK	6,560
(D-1-4)22cdd-1	Atkinson Special Service District	1978	P	TCRK	6,590
(D-1-4)28bac-1	Flinders, George	1979	U	TCRK	6,640
(D-1-4)29aad-2	Machell	1972	H	KTLY	6,460
(D-1-4)29ada-1	Peterson, Jan	1974	U	—	6,410
(D-1-4)29ada-2	Wohlford, Gerald	1989	H	TCRK	6,430
(D-1-4)29ada-3	Peterson, Jan D.	1993	U	—	6,410
[7](D-1-4)29ccc-2	Osguthorpe, D.A.	1947	U	ALVM	6,490
(D-1-4)29dcc-2	Sieverts, Reed D.	1976	H	ALVM	6,440
[8](D-1-4)29dcc-4	Miller, T.	1980	H	ALVM	6,450
(D-1-4)30bbd-1	Hixson, Lewis R.	1940	H	NGGT	6,460
[9](D-1-4)30cba-1	Silver Springs Water Company	1979	P	NGGT	6,480
(D-1-4)31aac-1	AWS Associates	1983	U	NGGT	6,540
(D-1-4)31bdb-2	Bloom, J.	1979	H	ALVM	6,620
(D-1-4)32daa-1	Thomson, Alan	1979	U	NGGT	6,480
(D-1-4)33bbd-1	Strong, L.H.	1973	H	NGGT	6,440

Depth of well (feet)	Casing			Water level		Other data available
	Diameter (inches)	Depth (feet)	Finish (feet)	Above (-) or below land surface (feet)	Date	
120	10	100	P 80-100	13.28	06-19-1984	L,C
150	8	150	P 72-134	—	—	W
235	8	196	P 112-128	-1.82	05-09-1995	W
			X 196-235			
146	8	146	P 130-145	75.94	05-10-1995	L,W
267	10	164	P 122-152	83.16	04-05-1994	L,W
	8	267	P 144-267			
—	—	—	— —	105.63	09-06-1995	W
312	20	20	S —	61.33	09-06-1995	W
	16	56	X 104-312			
	12	104				
300	10	300	P 100-300	-3.47	09-06-1995	W
600	12	190	P 140-600	—	—	
	10	490		—	—	
	8	600				
500	8	146	P 105-200	6.25	06-12-1995	L,W
	6	200	X 200-500			
174	8	162	X 162-174	4.80	08-23-1995	W
295	8	275	P 170-290	41.03	09-06-1995	W
	6	295				
550	10	422	P —	72.29	05-10-1995	C
	8	550				
240	8	240	P 140-240	23.15	09-06-1995	W
450	6	410	P 105-410	37.47	05-09-1995	W
			X 410-450			
840	14	830	P 210-810	—	—	L,C
370	10	280	P 120-280	61.88	06-13-1984	L
			X 280-370			
446	8	446	P 100-446	322.58	04-01-1994	W
301	8	301	P 110-285	179.12	07-08-1994	
325	6	125	P 105-325	1.58	05-10-1995	W
	4	325				
206	6	200	P 190-200	61.64	08-03-1995	L,W
700	8	70	X 70-700	.81	07-07-1995	W
32	4	32	O —	6.48	06-20-1984	
152	6	152	O —	24.49	08-08-1995	L,W,C
148	6	148	P 140-148	21.27	05-10-1995	W
75	4	75	— —	11.29	09-06-1995	W
500	10	285	P 200-285	—	—	C
			X 285-500			
460	16	387	P 115-323	30.52	06-20-1984	
			X 387-460			
300	8	300	P 100-300	26.85	09-06-1995	W
135	5	135	P 65-135	-1.34	06-20-1984	
147	8	30	P —	1.47	06-20-1984	
	6	147				

Table 1. Records of selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Owner	Year of construction	Primary use of water	Formation	Altitude of land surface (feet)
[10](D-1-4)33cab-1	—	—	—	—	6,460
(D-1-4)33cbb-1	Ballard, Chris	1993	H	NGGT	6,480
(D-1-4)35dbb-1	Geneva Rock Products	1981	N	WEBR	6,600
(D-1-4)35dbc-1	Utah Power and Light Company	1974	H	KTLY	6,605
(D-2-3)1aaa-1	Summit Water Distribution Company	1982	P	NGGT	6,940
(D-2-3)1ada-2	Sharp, John	1979	U	TCRK	7,040
(D-2-4)1cbc-1	—	—	—	—	6,630
(D-2-4)3dba-1	Osguthorpe	—	I	—	6,840
(D-2-4)4dcc-1	Cartier	—	U	ALVM	6,750
(D-2-4)4dcc-2	Cartier	—	U	ALVM	6,750
(D-2-4)4dda-1	Park City Culinary Water	1989	P	TYNS	6,720
(D-2-4)5cdd-1	Ross, Vicki	1989	U	ALVM	6,815
(D-2-4)6bbb-1	Taggart, Paul	1993	H	TCRK	6,880
(D-2-4)8aaa-1	Park City Culinary Water	1979	P	TYNS	6,750
(D-2-4)8dbd-1	Eckhoff Watson and Preator Engineering	1993	U	ALVM	6,835
(D-2-4)8dbd-2	Eckhoff Watson and Preator Engineering	1993	U	ALVM	6,835
(D-2-4)8dbd-3	Eckhoff Watson and Preator Engineering	1993	U	ALVM	6,835
(D-2-4)9aac-1	Park City Culinary Water	1948	P	WDSD	6,760
(D-2-4)9adc-1	Park City	1987	U	ALVM	6,773.42
(D-2-4)9bdd-1	Park City	1987	U	ALVM	6,791.87
(D-2-4)10bba-1	Park City	1987	U	ALVM	6,722.46
(D-2-4)10bba-2	Park City	1988	U	ALVM	6,722.59
[11](D-2-4)10bbc-2	Park City	1987	U	ALVM	6,741.04
[12](D-2-4)10bbc-3	Park City	1988	U	ALVM	6,741.99

[1]Previously reported as (D-1-3)10acd-1 by Baker (1970).
[2]Previously reported as (D-1-3)36cac-1 by Holmes and others (1986).
[3]Different well than (D-1-4)18cda-1 reported by Holmes and others (1986).
[4]Previously reported as (D-1-4)19bbc-1 by Holmes and others (1986).
[5]Previously reported as (D-1-4)19bbc-2 by Holmes and others (1986).
[6]Previously reported as (D-1-4)20dab-1 by Holmes and others (1986).
[7]Previously reported as (D-1-4)29ccc-1 by Holmes and others (1986).
[8]Previously reported as (D-1-4)29dcc-1 by Holmes and others (1986).
[9]Previously reported as (D-1-4)30cad-1 by Holmes and others (1986).
[10]Previously reported as (D-1-4)33cac-1 by Holmes and others (1986).
[11]Previously reported as (D-2-4)10bcb-1 by Mason (1989).
[12]Previously reported as (D-2-4)10bcb-2 by Mason (1989).

Depth of well (feet)	Casing			Water level		Other data available
	Diameter (inches)	Depth (feet)	Finish (feet)	Above (-) or below land surface (feet)	Date	
125	6	125	P 75-125	3.22	05-09-1994	W
190	5.25	190	F 100-190	-.06	08-04-1995	W
451	10	98	P —	29.35	05-10-1995	W,C
	8	451				
320	8	190	P 165-320	—	—	
	6	320				
695	10	498	X 498-695	98.13	05-09-1995	L,W
200	6	100	P 80-100	3.45	05-09-1995	L,W
			X 100-200			
—	—	—	— —	9.89	09-05-1995	W
—	—	—	— —	111.85	12-10-1993	W
33	—	—	— —	27.14	09-05-1995	W
75	—	—	— 48-58	26.28	09-05-1995	W
327	16	252	X 252-327	-6.62	05-12-1995	L,C
447	6	250	P 180-260	-2.80	08-03-1995	W
	4	395	X 395-447			
338	6	338	—	76.73	09-06-1995	W
300	10	130	F 100-130	28.23	05-10-1995	L,W,C
			X 130-300			
42	4	42	S 22-42	36.72	05-10-1995	W
50	4	50	S 30-50	40.57	05-10-1995	L,W
50	4	50	S 30-50	38.95	09-05-1995	W
446	10	398	P 300-446	3.83	08-03-1995	W
	6	446				
45	—	44	S 34-39	24.58	05-03-1988	
47	—	45	S 35-40	22.16	05-10-1995	W
25	—	25	S 15-20	10.82	05-03-1988	
138	—	138	S 120-130	16.41	09-05-1995	W
34	—	33	S 23-28	13.72	05-04-1988	
95	—	95	S 83-93	30.66	09-05-1995	W

Table 2. Drillers' logs of selected wells in Snyderville Basin, Park City, and adjacent areas, Utah

[See figure 1 for an explanation of the numbering system used for hydrologic-data sites in Utah]

Thickness: In feet.
Depth: Depth to bottom of interval, in feet below land surface.

Material	Thickness	Depth
(A-1-4)34ccd-1		
Log by Zimmerman Well Service		
Soil and volcanic cobbles	4	4
Clay, yellow	4	8
Volcanic tuff, red and gray	137	145
Volcanic conglomerate, sandy	155	300
Volcanic conglomerate, fractured	90	390
Volcanic conglomerate	10	400
(D-1-3)9caa-1		
Log by Robinson Drilling Company and J.S. Lee and Sons		
Shale	22	22
Limestone	13	35
Shale, yellow	4	39
Shale, sandy, brown and yellow	27	66
Limestone	22	88
Shale and Limestone, thin layers	299	387
Limestone, fractured	16	403
Shale, blue	5	408
Limestone, fractured	19	427
Shale and Limestone	36	463
Limestone, fractured	4	467
Shale, blue	85	552
Limestone, fractured	22	574
Shale, blue	36	610
(D-1-3)10aad-3		
Log by Sutton Drilling		
Topsoil	2	2
Clay, gravel, cobbles, boulders	17	19
Shale, brown	49	68
Conglomerate	46	114
Shale, brown	24	138
Shale, fractured, water	19	157
Shale	3	160
(D-1-3)11dbc-1		
Log by Anzalone Pump and Drilling		
Alluvium	30	30
Shale, gray	5	35
Shale, brownish gray	35	70
Limestone, gray	40	110
Mudstone, brown	20	130
Limestone, gray	163	293
Mudstone, red	9	302
Limestone, hard	4	306
(D-1-3)11dbd-1		
Log by Dave's Drilling Company		
Silt and boulders	16	16
Shale, reddish brown	78	94
Shale, fractured	16	110
Shale	85	195
Mudstone, softer, more water	25	220
Shale, harder	60	280
Shale, fractured	30	310
Shale	190	500
(D-1-3)11ddb-1		
Log by Dave's Drilling Company		
Clay, sand, and gravel	95	95
Limestone, fractured	110	205
Limestone	55	260
Limestone, fractured	20	280
Limestone	70	350
Shale, sandy	15	365
Limestone, fractured	16	381
Sandstone and shale, layers	134	515
(D-1-3)13abb-1		
Log by Peterson Bros. Drilling Company		
Surface soil, hard	8	8
Clay, sand, gravel, loose	19	27
Sand and gravel, brown	25	52
Gravel, brown and red	40	92
Clay, hard, brown	9	101
Clay, gravel, boulders	12	113
Limestone	84	197
(D-1-3)13abb-2		
Log by Unizicker and Wells Drilling		
Sand and gravel	9	9
Shale, red, with sandstone streaks	18	27
Sandstone, tan	8	35
Limestone, gray	40	75
Limestone, yellow, water	13	88
Limestone, gray, hard	54	142
Limestone, yellow, water	18	160
Limestone, gray, hard	100	260
Limestone, yellow	15	275
Shale, red	75	350
Limestone, yellow	25	375
Shale, red	35	410
Limestone, yellow, soft	20	430
Shale, red, water	60	490
Limestone, gray, hard	110	600

Table 2. Drillers' logs of selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Material	Thickness	Depth
(D-1-3)14bdc-1		
Log by Sierra Drilling, Inc.		
Sand and boulders	7	7
Clay, gravel, cobbles, and boulders	75	82
Limestone, gray	237	319
Sandstone	112	431
Limestone, gray	382	813
Shale, reddish brown	17	830
(D-1-3)15aaa-1		
Log by Anzalone Pump and Drilling		
Topsoil and cobbles	3	3
Sandstone, soft	42	45
Sandstone, hard	585	630
Sandstone, hard, fractured	80	710
(D-1-3)15acb-1		
Log by Dave's Drilling Company		
Topsoil	6	6
Limestone	44	50
Shale, with Limestone	150	200
Limestone, fractured	220	420
Shale, gray, fractured	84	504
Shale, gray	176	680
Limestone	40	720
(D-1-3)16baa-1		
Log by Billings Drilling Company		
Limestone, shale streaks, fractured	250	250
Shale and sandstone	15	265
Shale and Limestone	7	272
Limestone, fractured	13	285
Sandstone, brown	5	290
Limestone, solid	35	325
Limestone, fractured	1	326
Limestone, solid	22	348
Limestone, fractured	12	360
Limestone, shale streaks, solid	205	565
Limestone, shale streaks, alternating fractured and solid	75	640
Limestone, shale streaks, broken	41	681
Limestone, shale streaks, fractured	149	830
(D-1-3)24dda-1		
Log by Binning Drilling Company		
Clay and boulders	10	10
Clay, red	37	47
Sandstone, red, hard	153	200
Sandstone, water	20	220
Sandstone, softer	20	240
Sandstone, harder	40	280
Sandstone, softer	40	320
Sandstone, hard	220	540
(D-1-3)25ddc-2		
Log by Sierra Drilling Inc.		
Topsoil	5	5
Clay, sand, and gravel	26	31
Sandstone, solid	79	110
Sandstone, alternating fractured and solid	590	700
(D-1-3)35dba-1		
Log by Doxey Drilling		
Clay and cobbles	3	3
Sandstone, red	50	53
Sandstone, tan and red layers	124	177
Mudstone, gray, soft	51	228
Sandstone, red, water	17	245
Sandstone, red and tan	56	301
Sandstone, fractured, water	4	305
Quartzite	33	338
Sandstone, brown, soft	104	442
Sandstone, brown, hard	4	446
(D-1-4)18cba-1		
Log by J.S. Lee and Sons		
Topsoil	4	4
Sandstone	106	110
Shale, red	3	113
Sandstone	77	190
(D-1-4)18cda-1		
Log by Binning Drilling Company		
Clay and boulders	6	6
Limestone	69	75
Limestone, fractured, water	45	120
(D-1-4)19bab-1		
Log by Robinson Drilling Company		
Clay, gravel, and cobbles	66	66
Clay, sand, gravel, cobbles, boulders	3	69
Clay (red), gravel, and boulders	57	126
Clay (yellow), gravel, and boulders	9	135
Cobbles and boulders	11	146
(D-1-4)19bbc-2		
Log by unknown and Unizicker and Wells Drilling		
Topsoil	3	3
Clay, cobbles, and boulders	10	13
Clay and boulders	38	51
Clay, cobbles, and boulders	16	67
Limestone	116	183
Limestone, silty	77	260
Limestone	7	267

Table 2. Drillers' logs of selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Material	Thickness	Depth
(D-1-4)20bcb-1		
Log by Clearwater Drilling, Inc. and Unizicker and Wells Drilling		
Silt	5	5
Sand and gravel	47	52
Clay	18	70
Gravel	76	146
Silt, sand, and gravel	34	180
Siltstone, gray and red	100	280
Limestone, gray	55	335
Limestone, soft, gray blue	10	345
Limestone, hard, gray	115	460
Limestone, white and gray	40	500
(D-1-4)21ddd-1		
Log by Sierra Drilling, Inc.		
Topsoil	3	3
Shale	215	218
Limestone	622	840
(D-1-4)22cdd-1		
Log by Wright Drilling Company		
Clay, sand, and boulders	13	13
Sand and gravel	14	27
Clay, red	19	46
Clay and gravel	38	84
Shale, red	62	146
Shale, yellow	28	174
Shale, red	11	185
Limestone, fractured	81	266
Limestone and shale layers	16	282
Limestone, blue, fractured	88	370
(D-1-4)29ada-2		
Log by Doxey Drilling Company		
Soil and boulders	15	15
Shale, gray	18	33
Shale, red, soft	7	40
Shale, gray	25	65
Shale and sandstone, red	78	143
Shale, gray	9	152
Shale, fractured	12	164
Shale, gray	19	183
Shale, gray, hard, fractured	23	206
(D-1-4)29dcc-2		
Log by W.R. Bacon and Son		
Cobbles	15	15
Gravel	45	60
(D-1-4)29dcc-2—Continued		
Clay, sand, and gravel	40	100
Cobbles and boulders	10	110
Clay, sand, and gravel	35	145
Sand and gravel	7	152
(D-2-3)1aaa-1		
Log by Lee Drilling Inc.		
Topsoil	2	2
Clay, gravel, and boulders	275	277
Clay, yellow	4	281
Shale	11	292
Shale, sandstone, and Limestone	75	367
Shale and Limestone	30	397
Limestone	15	412
Shale and Limestone	79	491
Limestone	27	518
Sandstone	177	695
(D-2-3)1ada-2		
Log by Dave's Drilling		
Clay	10	10
Clay and boulders	10	20
Clay	20	40
Sandstone, red	10	50
Limestone	150	200
(D-2-4)4dda-1		
Log by Leon Ross		
Alluvial fill	185	185
Limestone, alternating solid and fractured	142	327
(D-2-4)8aaa-1		
Log by Dave's Drilling		
Clay	10	10
Sand and gravel	30	40
Clay, sand, gravel, layers	40	80
Cobbles	10	90
Shale, red	50	140
Limestone, gray	50	190
Shale, red	30	220
Limestone, gray	80	300
(D-2-4)8dbd-2		
Log by P.C. Exploration		
Clay	2	2
Silt, sand, and gravel	48	50

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah

Well number: See figure 1 for an explanation of the numbering system used for hydrologic-data sites in Utah.
Water level: In feet above (-) or below land surface.

Well number	Date	Water level
(A-1-4)34ccd-1	06-29-1994	286.13
	08-12-1994	286.51
	09-15-1994	286.99
	10-07-1994	287.14
	11-10-1994	287.35
	12-15-1994	287.74
	01-12-1995	287.94
	02-13-1995	288.15
	03-15-1995	288.36
	04-10-1995	288.32
	05-09-1995	288.45
	07-07-1995	288.18
	09-06-1995	288.19
(D-1-3)9caa-1	06-15-1994	68.69
	07-13-1994	75.82
	08-11-1994	80.93
	09-09-1994	84.59
	10-06-1994	87.53
	11-14-1994	90.28
	12-16-1994	91.96
	03-01-1995	91.11
	03-17-1995	80.92
	04-10-1995	38.09
	05-09-1995	32.28
	06-12-1995	44.06
	07-05-1995	56.60
	08-02-1995	66.88
	09-05-1995	74.44
(D-1-3)10aad-1	06-06-1994	15.20
	07-13-1994	16.01
	08-11-1994	17.80
	09-09-1994	17.90
	10-06-1994	17.21
	11-14-1994	17.27
	05-15-1995	17.57
	06-12-1995	16.78
	08-02-1995	18.26
(D-1-3)10aad-2	05-12-1994	18.78
	05-15-1995	44.72
(D-1-3)10aad-3	08-01-1994	7.56
	09-09-1994	8.00
	10-06-1994	7.65
	11-14-1994	7.58
	05-12-1995	7.35
	06-12-1995	7.08
	07-06-1995	8.99
	08-02-1995	8.52
(D-1-3)10acb-1	06-15-1994	15.06
	07-13-1994	19.26
	08-12-1994	22.59
	09-14-1994	23.75
	10-06-1994	24.63
	11-14-1994	24.52
	03-17-1995	13.18
	04-20-1995	9.11
	05-15-1995	8.17
	06-12-1995	11.01
	07-05-1995	13.05
	08-02-1995	16.12
	09-05-1995	20.73
(D-1-3)11cad-1	06-23-1983	54.79
	07-27-1983	67.62
	08-26-1983	72.57
	09-29-1983	76.12
	11-01-1983	75.34
	04-24-1984	48.07
	05-24-1984	49.21
	06-15-1984	50.51
	08-21-1989	79.13
	04-10-1990	70.41
	06-07-1990	65.84
	07-19-1990	74.64
	08-09-1990	78.77
	09-10-1990	83.86
	10-01-1990	85.69
	11-14-1990	89.34
	12-04-1990	90.09
	02-04-1991	91.84
	04-02-1991	73.33
	05-08-1991	62.70
	06-05-1991	62.01
	07-10-1991	73.07
	08-05-1991	76.94
	09-04-1991	82.39
	10-07-1991	85.77
	11-13-1991	89.34
	12-10-1991	89.94
	01-23-1992	85.97
	02-14-1992	86.44
	03-05-1992	86.46
	04-07-1992	71.07
	09-25-1992	107.03
	05-06-1993	68.29
	10-06-1993	89.94
	04-01-1994	85.58
	05-09-1995	60.49
(D-1-3)11dbc-1	06-23-1983	28.98
	06-27-1983	32.26
	08-26-1983	37.20
	09-29-1983	34.62
	11-01-1983	35.24
	04-24-1984	29.75
	05-24-1984	26.92
	06-14-1984	27.23
	04-10-1989	34.28
	08-21-1989	37.10
	07-19-1990	36.74
	08-09-1990	37.96
	09-10-1990	40.35
	10-01-1990	40.74
	11-14-1990	39.59
	12-04-1990	39.04
	02-04-1991	38.49
	04-02-1991	36.98
	05-08-1991	34.94
	06-05-1991	35.04
	07-10-1991	36.42
	08-05-1991	37.86
	09-04-1991	41.86
	10-07-1991	41.08
	11-13-1991	39.11
	12-10-1991	38.52
	01-23-1992	38.45
	02-14-1992	38.62
	03-05-1992	37.66
	04-07-1992	37.66
	10-09-1992	86.26
	05-06-1993	36.45
(D-1-3)11ddb-1	09-28-1993	176.45
	06-02-1994	171.03
	07-13-1994	178.42
	08-11-1994	184.12
	09-09-1994	193.64
	10-06-1994	197.48
	11-09-1994	188.69
	12-16-1994	183.73
	03-13-1995	173.44
	04-10-1995	163.65
	05-09-1995	150.60
	07-06-1995	148.02
	09-05-1995	162.53
(D-1-3)12cbd-1	05-26-1994	36.29
	07-13-1994	33.65
	08-11-1994	35.42
	09-09-1994	37.20
	10-06-1994	37.14
	11-10-1994	35.69
	12-16-1994	35.57

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Date	Water level
(D-1-3)12cbd-1 —Continued	03-17-1995	30.44
	04-10-1995	29.14
	05-15-1995	27.92
	07-06-1995	29.46
	09-05-1995	32.55
(D-1-3)13adb-1	10-06-1994	50.88
	05-15-1995	44.02
(D-1-3)14bdc-1	09-28-1993	31.91
	10-06-1994	38.97
(D-1-3)15acb-1	06-09-1994	59.88
	08-11-1994	60.96
	09-09-1994	61.70
	10-06-1994	62.16
	11-10-1994	63.48
	12-16-1994	64.33
	05-09-1995	54.63
	06-12-1995	57.00
	08-08-1995	59.97
(D-1-3)24dda-1	08-12-1983	21.06
	09-29-1983	22.00
	11-14-1983	22.96
	01-18-1984	21.25
	03-28-1984	20.00
	04-24-1984	18.75
	06-20-1984	19.15
	08-21-1989	20.6
	11-09-1989	21.7
	01-12-1990	22.35
	03-26-1990	21.01
	04-11-1990	16.28
	06-07-1990	18.48
	07-19-1990	20.12
	08-08-1990	20.74
	09-10-1990	21.53
	10-04-1990	21.93
	11-13-1990	22.39
	04-02-1991	23.54
	05-08-1991	16.97
	06-05-1991	15.56
	07-10-1991	17.24
	08-05-1991	18.35
	09-04-1991	19.53
	10-07-1991	20.12
	11-13-1991	20.61
	12-10-1991	20.85
	01-23-1992	21.37
	02-14-1992	21.5
	03-05-1992	20.98
	04-07-1992	18.71
	09-18-1992	21.96
	05-06-1993	15.27
	10-06-1993	19.37
	12-10-1993	22.58
	04-01-1994	17.62
(D-1-3)24dda-1 —Continued	05-06-1994	15.17
	06-02-1994	15.45
	07-12-1994	17.64
	08-12-1994	18.94
	08-24-1994	19.29
	08-25-1994	19.33
	08-26-1994	19.36
	08-30-1994	19.48
	09-09-1994	19.73
	10-07-1994	20.18
	11-09-1994	20.78
	12-15-1994	20.85
	01-12-1995	21.61
	02-01-1995	34.64
	02-03-1995	35.15
	02-06-1995	35.20
	02-10-1995	34.98
	02-16-1995	39.56
	02-17-1995	40.88
	03-16-1995	51.90
	03-29-1995	37.96
	04-05-1995	34.21
	04-10-1995	31.98
	04-15-1995	30.25
	04-20-1995	29.03
	04-25-1995	27.93
	04-30-1995	26.99
	05-05-1995	25.92
	05-10-1995	25.51
	05-15-1995	24.91
	05-16-1995	24.87
	05-20-1995	26.63
	05-25-1995	29.63
	05-31-1995	29.35
	06-05-1995	27.99
	06-10-1995	26.95
	06-15-1995	26.14
	06-20-1995	25.58
	06-25-1995	25.35
	06-30-1995	25.19
	07-05-1995	25.07
	07-10-1995	25.10
	07-15-1995	25.17
	07-20-1995	25.41
	07-25-1995	25.59
	07-31-1995	25.82
	08-08-1995	26.18
	08-10-1995	26.22
	08-15-1995	26.47
	08-23-1995	26.75
	09-05-1995	27.18
(D-1-3)35acb-1	06-09-1994	15.87
	07-13-1994	16.29
	08-15-1994	16.59
	09-12-1994	16.55
	10-06-1994	16.65
	05-10-1995	13.68
(D-1-3)35acb-1 —Continued	07-06-1995	14.47
	09-05-1995	15.84
(D-1-3)35cdd-1	06-09-1994	39.25
	07-15-1994	40.85
	08-15-1994	46.08
	09-12-1994	46.71
	10-06-1994	47.61
	05-10-1995	46.65
	07-06-1995	34.19
	09-05-1995	41.69
(D-1-3)35daa-1	06-09-1994	4.29
	07-13-1994	5.15
	08-15-1994	5.76
(D-1-3)36cba-1	07-26-1983	26.46
	08-26-1983	19.66
	09-29-1983	24.01
	11-02-1983	21.21
	06-20-1984	15.22
	09-12-1994	6.45
	10-06-1994	4.76
	11-09-1994	5.64
	05-10-1995	3.12
	06-12-1995	3.43
	08-02-1995	4.45
(D-1-4)4bac-1	10-08-1988	31.29
	04-14-1992	33.83
	04-26-1992	34.07
	05-08-1994	34.65
(D-1-4)4ccd-1	09-29-1983	16.95
	11-01-1983	16.72
	01-12-1984	13.58
	02-24-1984	13.40
	03-27-1984	10.98
	04-24-1984	10.07
	05-24-1984	10.45
	06-11-1984	10.41
	05-11-1994	18.37
	10-07-1994	25.49
	05-10-1995	15.87
(D-1-4)4dbc-1	05-08-1994	88.45
	06-06-1994	88.56
	07-12-1994	99.05
	08-12-1994	91.10
	09-15-1994	93.05
	10-07-1994	93.41
	11-10-1994	94.49
	12-15-1994	95.50
	01-12-1995	96.20
	02-13-1995	96.70
	03-15-1995	94.35
	04-10-1995	85.56
	05-10-1995	79.91

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Date	Water level
(D-1-4)4dbc-1 —Continued	06-12-1995	71.78
	07-07-1995	70.00
	08-03-1995	71.51
	09-07-1995	74.11
(D-1-4)9dbd-1	07-12-1994	-21.34
	08-12-1994	-23.50
	10-07-1994	-24.48
	11-10-1994	-25.57
	11-25-1994	-26.23
	04-20-1995	-26.40
	05-10-1995	-26.40
	06-12-1995	-25.98
	07-07-1995	-25.15
	08-03-1995	-22.90
(D-1-4)10bdc-1	08-21-1989	108.81
	11-09-1989	117.65
	01-12-1990	117.56
	03-27-1990	117.70
	04-11-1990	117.90
	07-19-1990	118.33
	08-08-1990	118.59
	09-10-1990	118.62
	10-01-1990	118.53
	11-14-1990	118.59
	12-04-1990	118.82
	02-04-1991	119.05
	04-04-1991	119.21
	05-13-1991	119.12
	06-05-1991	119.21
	07-10-1991	119.41
	08-05-1991	119.41
	09-04-1991	119.51
	10-07-1991	120.18
	11-13-1991	119.94
	12-10-1991	119.90
	01-23-1992	120.17
	02-14-1992	119.97
	03-05-1992	120.13
	04-07-1992	119.97
	10-09-1992	121.12
	05-06-1993	121.28
	10-06-1993	121.45
	12-08-1993	121.94
	04-01-1994	116.0
(D-1-4)17dcb-2	07-01-1994	88.22
	08-10-1994	88.53
	09-14-1994	88.66
	10-03-1994	88.73
	10-06-1994	88.65
	11-10-1994	88.67
	05-10-1995	88.04
	06-13-1995	87.56
	07-07-1995	87.61
	08-04-1995	87.75
	08-18-1995	87.95
(D-1-4)17dcc-1	07-01-1994	67.15
	08-10-1994	67.37
	09-14-1994	67.56
	10-03-1994	68.65
	10-06-1994	67.60
	11-10-1994	67.58
	12-16-1994	67.63
	01-13-1995	67.64
	02-15-1995	67.70
	03-20-1995	67.45
	04-10-1995	67.07
	05-10-1995	66.84
(D-1-4)18cba-1	10-05-1994	74.51
	10-10-1994	74.58
	10-15-1994	74.63
	10-20-1994	74.78
	10-25-1994	74.87
	10-31-1994	74.89
	11-05-1994	74.94
	11-10-1994	75.05
	11-15-1994	75.10
	11-20-1994	75.13
	11-25-1994	75.20
	11-30-1994	75.20
	12-05-1994	75.01
	12-10-1994	74.46
	12-15-1994	74.46
	12-20-1994	74.25
	12-25-1994	73.75
	12-31-1994	71.45
	01-05-1995	71.17
	01-10-1995	71.81
	01-15-1995	72.51
	01-20-1995	72.07
	01-25-1995	70.99
	01-31-1995	70.60
	02-05-1995	59.24
	02-10-1995	56.26
	02-15-1995	57.26
	02-20-1995	58.37
	02-25-1995	55.05
	02-28-1995	52.55
	03-05-1995	50.52
	03-10-1995	50.10
	03-15-1995	45.60
	03-20-1995	43.97
	03-25-1995	39.20
	03-28-1995	38.97
	03-31-1995	39.73
	04-05-1995	42.88
	04-10-1995	45.81
	04-15-1995	48.39
	04-20-1995	50.68
	04-25-1995	53.31
	04-30-1995	55.42
	05-05-1995	52.07
	05-10-1995	50.79
(D-1-4)18cba-1 —Continued	05-15-1995	50.29
	05-20-1995	49.80
	05-25-1995	48.47
	05-31-1995	45.60
	06-05-1995	46.32
	06-10-1995	47.87
	06-15-1995	49.78
	06-20-1995	52.48
	06-25-1995	55.63
	06-30-1995	57.54
	07-05-1995	58.29
	07-10-1995	59.00
	07-15-1995	59.29
	07-20-1995	59.50
	07-25-1995	59.63
	07-31-1995	59.68
	08-05-1995	59.78
	08-10-1995	59.91
	08-15-1995	60.03
	08-20-1995	60.19
	08-25-1995	60.37
	08-31-1995	60.60
	09-05-1995	60.83
	09-10-1995	61.07
	09-15-1995	61.42
	09-20-1995	61.82
	09-25-1995	62.11
	09-30-1995	62.80
(D-1-4)18ccc-2	06-21-1983	75.23
	07-27-1983	78.59
	09-30-1983	81.75
	11-18-1983	83.07
	12-21-1983	83.12
	01-18-1984	83.24
	02-24-1984	83.38
	03-27-1984	80.12
	04-24-1984	72.72
	05-24-1984	71.36
	06-20-1984	72.79
	08-26-1984	80.29
	04-10-1989	79.63
	08-21-1989	84.46
	11-09-1989	85.1
	01-12-1990	85.35
	03-26-1990	83.4
	04-10-1990	83.2
	06-07-1990	84.62
	07-19-1990	85.15
	08-09-1990	85.4
	09-10-1990	85.64
	10-01-1990	85.7
	11-14-1990	85.8
	12-10-1990	85.8
	02-04-1991	85.68
	04-02-1991	83.81
	05-08-1991	82.99
	06-05-1991	82.86

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Date	Water level
(D-1-4)18ccc-2 —Continued	07-10-1991	83.87
	08-05-1991	84.23
	09-04-1991	84.4
	10-07-1991	84.81
	11-13-1991	85.05
	12-10-1991	81.22
	01-23-1992	85.41
	02-14-1992	85.61
	03-05-1992	85.15
	04-07-1992	85.38
	09-18-1992	86.07
	05-06-1993	80.13
	10-06-1993	83.81
	01-07-1994	85.42
	04-01-1994	83.03
	04-05-1994	83.02
	05-06-1994	83.28
	06-02-1994	83.90
	07-12-1994	84.85
	08-10-1994	85.14
	09-09-1994	85.99
	10-06-1994	85.25
	11-09-1994	85.42
	12-15-1994	85.63
	01-12-1995	85.70
	02-01-1995	85.72
	02-03-1995	85.62
	02-06-1995	85.35
	02-10-1995	85.09
	02-13-1995	84.96
	02-16-1995	84.99
	02-17-1995	84.98
	03-17-1995	82.23
	04-06-1995	80.28
	05-09-1995	80.72
	06-12-1995	79.20
	08-02-1995	81.37
(D-1-4)18ddc-1	10-05-1994	17.69
	10-10-1994	17.83
	10-15-1994	17.65
	10-20-1994	17.77
	10-25-1994	17.80
	10-31-1994	17.85
	11-05-1994	17.83
	11-10-1994	17.81
	11-15-1994	17.69
	11-20-1994	17.68
	11-25-1994	17.62
	11-30-1994	17.22
	12-05-1994	17.19
	12-10-1994	17.36
	12-15-1994	17.17
	12-20-1994	16.95
	12-25-1994	16.92
	12-31-1994	17.07
	01-05-1995	16.95
	01-10-1995	16.72
(D-1-4)18ddc-1 —Continued	01-15-1995	17.36
	01-20-1995	17.44
	01-25-1995	17.48
	01-31-1995	17.71
	02-05-1995	17.49
	02-10-1995	17.59
	02-15-1995	17.23
	02-20-1995	17.60
	02-25-1995	17.54
	02-28-1995	17.33
	03-05-1995	17.37
	03-10-1995	16.60
	03-15-1995	16.14
	03-20-1995	16.10
	03-25-1995	16.41
	03-31-1995	16.90
	04-05-1995	17.02
	04-10-1995	16.83
	04-15-1995	17.06
	04-20-1995	17.03
	04-25-1995	17.11
	04-30-1995	16.73
	05-05-1995	16.56
	05-10-1995	16.80
	05-15-1995	16.45
	05-20-1995	16.44
	05-25-1995	15.87
	05-31-1995	16.19
	06-05-1995	15.68
	06-08-1995	15.53
	06-10-1995	15.83
	06-15-1995	15.70
	06-20-1995	15.84
	06-25-1995	15.98
	06-30-1995	15.97
	07-05-1995	16.02
	07-10-1995	16.19
	07-15-1995	16.39
	07-20-1995	16.50
	07-25-1995	16.48
	07-31-1995	16.61
	08-05-1995	16.73
	08-10-1995	16.81
	08-15-1995	16.85
	08-20-1995	17.03
	08-25-1995	17.04
	08-31-1995	17.32
	09-05-1995	17.40
	09-10-1995	17.55
	09-15-1995	17.64
	09-20-1995	17.66
	09-25-1995	17.71
	09-30-1995	17.67
(D-1-4)19aba-1	05-18-1994	-.43
	10-07-1994	.89
	05-09-1995	-1.82
(D-1-4)19bab-1	07-06-1994	81.38
	10-06-1994	81.09
	05-10-1995	75.94
(D-1-4)19bbc-2	06-28-1983	56.48
	07-27-1983	60.55
	08-26-1983	62.82
	09-30-1983	63.90
	11-01-1983	64.30
	11-17-1983	64.44
	11-18-1983	64.44
	01-18-1984	64.40
	02-24-1984	64.54
	03-27-1984	63.96
	04-24-1984	55.57
	05-24-1984	54.99
	06-15-1984	55.94
	04-10-1989	60.19
	08-21-1989	64.32
	11-09-1989	64.7
	01-12-1990	65.2
	03-26-1990	64.1
	04-11-1990	64.09
	06-07-1990	65.37
	08-09-1990	65.6
	09-10-1990	65.6
	10-01-1990	65.76
	11-09-1990	65.96
	12-10-1990	66.03
	02-04-1991	66.3
	04-02-1991	64.62
	05-08-1991	63.08
	06-05-1991	62.16
	07-10-1991	63.32
	08-05-1991	63.94
	09-04-1991	64.39
	10-07-1991	64.37
	11-13-1991	64.49
	04-05-1994	83.16
(D-1-4)19bca-2	06-10-1983	38.36
	06-10-1983	38.36
	06-15-1984	39.31
	06-15-1984	39.31
	07-06-1994	51.47
	08-23-1994	89.05
	08-24-1994	89.45
	08-25-1994	89.44
	08-26-1994	89.74
	08-30-1994	89.12
	09-09-1994	89.46
	10-07-1994	89.64
	11-09-1994	68.75
	12-15-1994	61.29
	01-12-1995	67.72
	02-01-1995	70.75
	02-03-1995	70.81
	02-06-1995	70.74

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Date	Water level
(D-1-4)19bca-2 —Continued	02-10-1995	70.58
	02-13-1995	72.50
	02-15-1995	70.75
	02-16-1995	70.86
	02-17-1995	70.90
	03-20-1995	76.26
	04-06-1995	79.44
	05-09-1995	81.58
	06-12-1995	81.02
	07-05-1995	84.85
	08-02-1995	89.92
	09-06-1995	105.63
(D-1-4)19bdb-1	04-10-1989	2.43
	08-21-1989	3.8
	03-26-1990	3.55
	04-11-1990	3.55
	06-07-1990	3.81
	07-19-1990	4.77
	08-09-1990	4.77
	09-10-1990	4.93
	10-01-1990	5.09
	11-14-1990	5.29
	02-04-1991	5.65
	04-02-1991	3.98
	05-08-1991	2.63
	06-05-1991	1.81
	07-10-1991	2.63
	08-05-1991	3.39
	09-04-1991	3.75
	10-07-1991	3.88
	11-13-1991	3.98
	12-10-1991	4.07
	01-24-1992	4.34
	02-14-1992	4.21
	03-05-1992	3.96
	04-07-1992	4.08
	09-18-1992	8.34
	05-06-1993	flowing
	10-06-1993	7.39
	01-07-1994	7.98
	04-01-1994	6.76
	05-06-1994	6.49
	06-02-1994	6.70
	07-12-1994	31.77
	08-12-1994	42.86
	09-09-1994	44.95
	10-07-1994	45.15
	11-09-1994	24.53
	12-15-1994	17.17
	01-12-1995	23.55
	02-01-1995	26.60
	02-03-1995	26.66
	02-06-1995	26.58
	02-10-1995	26.51
	02-13-1995	26.48
	02-16-1995	26.72
	02-17-1995	26.77
	03-16-1995	30.09
(D-1-4)19bdb-1 —Continued	04-06-1995	34.91
	05-09-1995	36.96
	06-12-1995	36.46
	07-06-1995	40.41
	08-02-1995	45.20
	08-04-1995	46.70
	08-08-1995	47.55
	08-09-1995	48.53
	08-10-1995	50.43
	08-11-1995	52.95
	08-14-1995	55.36
	08-15-1995	56.06
	08-18-1995	63.24
	08-23-1995	60.02
	09-06-1995	61.33
(D-1-4)19cac-1	05-06-1994	-4.05
	02-01-1995	27.31
	02-03-1995	23.02
	02-06-1995	17.49
	02-10-1995	21.61
	02-10-1995	25.21
	02-13-1995	45.63
	02-15-1995	92.17
	02-16-1995	102.41
	02-17-1995	91.30
	05-10-1995	-3.65
	06-13-1995	-2.51
	07-06-1995	-3.87
	08-02-1995	-3.49
	08-09-1995	-3.41
	08-10-1995	-3.45
	08-15-1995	-3.40
	08-23-1995	-3.39
	09-06-1995	-3.47
(D-1-4)20bcb-1	06-10-1983	8.75
	07-27-1983	8.30
	08-26-1983	8.40
	09-29-1983	8.90
	11-01-1983	8.59
	12-21-1983	8.54
	01-20-1984	8.84
	03-27-1984	7.79
	04-24-1984	7.34
	05-24-1984	9.23
	06-20-1984	8.77
	08-21-1989	11.17
	11-09-1989	10.05
	01-12-1990	10.55
	03-27-1990	9.05
	04-11-1990	9.87
	06-07-1990	11.28
	07-19-1990	10.3
	08-08-1990	10.46
	09-10-1990	11.31
	10-04-1990	11.12
	11-13-1990	10.59
(D-1-4)20bcb-1 —Continued	12-10-1990	10.75
	02-04-1991	10.59
	04-02-1991	8.96
	05-08-1991	8.76
	06-06-1991	8.36
	07-10-1991	9.09
	08-05-1991	9.48
	09-04-1991	10.4
	10-07-1991	10.38
	11-13-1991	10.27
	12-10-1991	10.27
	01-24-1992	10.14
	02-14-1992	10.01
	03-05-1992	9.32
	04-07-1992	9.84
	09-18-1992	11.71
	10-06-1992	10.79
	05-06-1993	8.14
	01-07-1994	10.3
	04-01-1994	9.12
	06-03-1994	10.48
	07-13-1994	11.32
	08-10-1994	11.52
	09-09-1994	11.79
	10-07-1994	11.22
	11-09-1994	10.81
	12-21-1994	-3.65
	02-03-1995	.69
	02-10-1995	.54
	02-15-1995	.62
	02-16-1995	.71
	02-17-1995	.73
	03-16-1995	1.59
	04-10-1995	5.96
	05-09-1995	6.57
	06-12-1995	6.25
(D-1-4)20bdb-1	07-13-1994	4.52
	08-10-1994	4.57
	09-09-1994	4.71
	10-07-1994	3.94
	11-10-1994	3.91
	12-15-1994	3.71
	01-13-1995	3.37
	02-15-1995	3.01
	03-15-1995	1.83
	04-10-1995	2.89
	05-09-1995	3.00
	06-12-1995	5.62
	08-02-1995	4.34
	08-04-1995	4.32
	08-08-1995	4.48
	08-09-1995	4.52
	08-10-1995	4.59
	08-11-1995	4.59
	08-14-1995	4.79
	08-15-1995	4.77
	08-23-1995	4.80

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Date	Water level
(D-1-4)20dab-2	06-19-1984	67.30
	04-13-1989	56.79
	08-21-1989	81.08
	11-09-1989	62.7
	01-12-1990	56.03
	03-27-1990	57.75
	04-10-1990	57.26
	06-07-1990	63.66
	07-19-1990	91.74
	08-08-1990	89.48
	09-10-1990	86.59
	10-04-1990	75.14
	11-13-1990	63.32
	12-10-1990	59.03
	02-04-1991	57.16
	04-02-1991	57.95
	05-08-1991	56.2
	06-06-1991	57.09
	07-10-1991	82.36
	08-05-1991	86.26
	09-04-1991	84.13
	10-07-1991	79.2
	11-07-1991	73.89
	12-10-1991	61.69
	01-24-1992	57.26
	02-14-1992	62.02
	03-04-1992	55.88
	04-07-1992	50.27
	09-18-1992	43.18
	05-06-1993	38.23
	10-06-1993	40.52
	01-07-1994	38.49
	04-01-1994	37.89
	05-06-1994	37.95
	06-03-1994	39.65
	07-12-1994	45.16
	08-12-1994	44.31
	09-09-1994	47.04
	10-07-1994	42.57
	11-10-1994	40.27
	12-15-1994	39.58
	01-13-1995	39.58
	02-15-1995	39.26
	03-20-1995	37.63
	04-10-1995	37.86
	05-09-1995	37.14
	07-06-1995	38.27
	08-08-1995	42.37
	08-09-1995	41.97
	08-10-1995	41.81
	08-11-1995	41.66
	08-14-1995	42.23
	08-15-1995	42.39
	08-18-1995	42.80
	08-23-1995	42.52
	09-06-1995	41.03
(D-1-4)21cad-1	08-21-1989	26.23
	11-09-1989	28.23
	04-16-1990	28.61
	07-19-1990	30.79
	08-08-1990	32.63
	09-10-1990	31.55
	10-01-1990	31.81
	11-14-1990	32.33
	12-04-1990	32.53
	04-04-1991	30.3
	05-08-1991	29.68
	06-06-1991	29.51
	07-10-1991	30.46
	08-05-1991	31.22
	09-04-1991	32.2
	10-04-1991	32.79
	11-13-1991	33.58
	12-10-1991	33.87
	04-03-1992	33.32
	09-18-1992	35.98
	05-07-1993	17.86
	10-06-1993	26.23
	12-08-1993	27.38
	06-03-1994	27.45
	07-13-1994	28.70
	08-12-1994	29.47
	09-09-1994	30.09
	10-06-1994	30.53
	11-09-1994	30.93
	12-16-1994	31.52
	03-20-1995	20.95
	04-10-1995	15.54
	05-09-1995	15.90
	06-12-1995	13.38
	07-07-1995	17.31
	08-02-1995	20.49
	09-06-1995	23.15
(D-1-4)21cdd-1	06-21-1983	14.24
	07-27-1983	19.18
	08-26-1983	22.63
	09-29-1983	25.10
	11-01-1983	27.22
	01-12-1984	30.26
	03-28-1984	32.14
	04-24-1984	14.58
	05-24-1984	8.51
	06-13-1984	10.78
	05-09-1995	37.47
(D-1-4)28bac-1	06-19-1984	57.1
	04-01-1994	322.58
(D-1-4)29ada-1	05-05-1994	1.95
	06-03-1994	2.07
	07-12-1994	2.76
	08-12-1994	2.80
	09-09-1994	2.93
(D-1-4)29ada-1 —Continued	10-03-1994	2.65
	10-06-1994	2.42
	11-10-1994	2.23
	05-10-1995	1.58
(D-1-4)29ada-2	05-09-1994	54.11
	06-03-1994	48.92
	07-12-1994	65.10
	08-12-1994	51.63
	09-09-1994	56.35
	10-03-1994	54.20
	10-06-1994	51.28
	11-10-1994	55.62
	05-10-1995	53.01
	06-13-1995	55.42
	08-03-1995	61.64
(D-1-4)29ada-3	05-05-1994	.86
	06-03-1994	1.10
	07-12-1994	1.52
	08-12-1994	1.47
	09-09-1994	1.81
	10-03-1994	1.59
	10-06-1994	1.40
	11-10-1994	1.26
	12-16-1994	1.31
	01-13-1995	1.31
	02-15-1995	1.17
	03-20-1995	1.00
	04-10-1995	1.09
	05-10-1995	1.10
	07-07-1995	.81
(D-1-4)29dcc-2	04-26-1983	18.21
	04-28-1983	18.00
	05-09-1983	16.48
	06-09-1983	22.51
	07-27-1983	24.46
	08-26-1983	19.95
	09-29-1983	21.48
	11-02-1983	21.68
	12-21-1983	21.16
	01-20-1984	20.15
	02-27-1984	21.53
	03-28-1984	20.84
	04-26-1984	17.22
	05-25-1984	16.31
	06-20-1984	17.04
	04-13-1989	20.94
	08-21-1989	25.08
	11-09-1989	25.47
	01-12-1990	22.8
	03-27-1990	21.3
	06-07-1990	21.7
	07-19-1990	25.73
	08-08-1990	27.67
	09-10-1990	27.73
	10-04-1990	24.65

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Date	Water level
(D-1-4)29dcc-2 —Continued	11-13-1990	23.86
	12-10-1990	23.70
	02-04-1991	21.86
	04-02-1991	20.32
	05-08-1991	19.86
	06-06-1991	19.01
	07-10-1991	23.74
	08-05-1991	23.08
	10-07-1991	22.0
	11-13-1991	25.28
	12-10-1991	23.05
	01-24-1992	22.88
	02-14-1992	22.62
	03-05-1992	21.93
	04-07-1992	23.41
	09-18-1992	28.59
	05-06-1993	19.27
	10-06-1993	27.67
	04-01-1994	26.42
	04-05-1994	22.24
	05-06-1994	22.79
	06-03-1994	21.80
	07-12-1994	36.20
	08-12-1994	29.66
	09-14-1994	29.57
	10-03-1994	25.73
	11-10-1994	25.04
	12-15-1994	23.16
	01-13-1995	22.47
	04-10-1995	18.65
	05-10-1995	18.65
	06-13-1995	19.25
	07-07-1995	19.28
	08-08-1995	24.49
(D-1-4)29dcc-4	04-27-1983	20.76
	06-09-1983	18.27
	06-30-1994	40.94
	10-03-1994	27.24
	10-06-1994	26.67
	05-10-1995	21.27
(D-1-4)30bbd-1	08-16-1983	8.31
	11-14-1983	8.49
	01-16-1984	6.87
	02-27-1984	6.71
	03-27-1984	5.26
	04-25-1984	2.64
	06-14-1984	5.31
	04-10-1989	4.46
	08-21-1989	10.27
	11-09-1989	9.25
	03-26-1990	7.90
	04-10-1990	7.45
	06-06-1990	9.68
	07-19-1990	9.68
	08-09-1990	9.58
	09-10-1990	9.87
(D-1-4)30bbd-1 —Continued	10-04-1990	9.68
	11-13-1990	9.51
	12-10-1990	9.51
	04-14-1991	7.61
	07-10-1991	9.16
	08-05-1991	9.35
	10-07-1991	9.2
	11-13-1991	9.13
	03-05-1992	7.97
	04-07-1992	9.16
	09-18-1992	9.75
	05-06-1993	4.24
	10-06-1993	8.66
	04-14-1994	9.10
	05-06-1994	10.24
	06-02-1994	11.44
	07-12-1994	11.96
	08-12-1994	11.97
	09-09-1994	12.30
	10-07-1994	12.31
	11-09-1994	12.54
	12-15-1994	12.49
	05-10-1995	6.05
	07-06-1995	9.76
	09-06-1995	11.29
(D-1-4)31bdb-2	04-28-1983	15.47
	07-27-1983	19.22
	11-02-1983	21.90
	12-21-1983	21.02
	04-26-1984	12.43
	06-20-1984	15.88
	04-14-1994	27.80
	10-06-1994	38.92
	11-09-1994	36.17
	05-10-1995	29.28
	06-14-1995	32.38
	07-07-1995	32.41
	08-02-1995	33.15
	09-06-1995	26.85
(D-1-4)33cab-1	04-27-1983	.77
	06-20-1984	3.03
	08-21-1989	8.21
	11-09-1989	9.75
	01-12-1990	8.08
	03-27-1990	3.16
	04-11-1990	5.59
	06-07-1990	.48
	07-19-1990	8.78
	08-09-1990	9.27
	09-10-1990	9.40
	11-13-1990	8.58
	12-10-1990	8.51
	02-04-1991	10.84
	04-02-1991	1.43
	05-13-1991	1.26
	06-06-1991	2.28
(D-1-4)33cab-1 —Continued	07-10-1991	6.05
	08-05-1991	6.05
	09-04-1991	7.73
	10-07-1991	7.81
	11-13-1991	7.20
	12-10-1991	5.43
	01-23-1992	7.20
	02-14-1992	3.46
	03-05-1992	1.85
	04-07-1992	4.05
	05-06-1993	1.26
	10-06-1993	7.10
	01-07-1994	6.32
	04-01-1994	1.69
	05-09-1994	3.22
(D-1-4)33cbb-1	04-25-1994	-1.46
	05-09-1994	-.64
	06-03-1994	.02
	07-12-1994	.44
	08-12-1994	.61
	09-09-1994	.66
	10-03-1994	.67
	10-06-1994	.63
	11-10-1994	.51
	12-15-1994	.33
	01-13-1995	.32
	02-15-1995	-.49
	04-10-1995	-1.64
	05-10-1995	-1.65
	06-13-1995	-1.60
	08-04-1995	-.06
(D-1-4)35dbb-1	06-21-1983	37.90
	04-13-1989	17.70
	08-21-1989	46.50
	11-09-1989	34.00
	01-12-1990	22.00
	03-27-1990	15.40
	11-13-1990	32.73
	12-04-1990	20.56
	02-04-1991	15.18
	04-04-1991	19.83
	06-06-1991	24.82
	12-10-1991	19.60
	01-24-1992	15.60
	02-14-1992	16.23
	03-06-1992	16.06
	04-07-1992	20.82
	05-07-1993	19.05
	10-06-1993	39.88
	02-03-1995	32.24
	05-10-1995	29.35
(D-2-3)1aaa-1	07-01-1994	94.34
	10-06-1994	96.58
	05-09-1995	98.13

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Date	Water level
(D-2-3)1ada-2	06-22-1994	4.69
	07-14-1994	5.66
	05-09-1995	3.45
(D-2-4)1cbc-1	06-16-1994	9.16
	07-12-1994	10.50
	08-11-1994	11.58
	09-09-1994	12.34
	10-03-1994	12.82
	10-07-1994	12.87
	11-09-1994	12.91
	12-21-1994	13.10
	03-14-1995	8.21
	04-06-1995	3.88
	05-09-1995	3.32
	06-12-1995	3.83
	07-07-1995	6.09
	08-03-1995	8.13
	09-05-1995	9.89
(D-2-4)3dba-1	09-26-1990	112.89
	01-03-1991	116.11
	02-04-1991	112.33
	03-12-1991	112.20
	04-04-1991	111.10
	04-23-1991	110.47
	10-15-1991	112.28
	11-08-1991	112.00
	01-24-1992	113.62
	02-14-1992	111.62
	03-05-1992	111.19
	04-07-1992	115.13
	05-07-1993	109.91
	10-06-1993	111.16
	12-10-1993	111.85
(D-2-4)4dcc-1	03-15-1983	22.67
	03-26-1987	31.15
	04-02-1987	30.24
	04-09-1987	28.96
	04-16-1987	29.10
	04-24-1987	29.30
	05-07-1987	27.56
	10-14-1987	18.06
	11-24-1987	29.43
	01-12-1988	31.06
	02-08-1988	31.05
	02-10-1988	30.90
	02-15-1988	30.74
	02-18-1988	32.70
	02-22-1988	32.78
	03-01-1988	30.42
	03-16-1988	30.32
	03-24-1988	29.83
	03-31-1988	29.58
	04-26-1988	25.33
	05-04-1988	19.03
	06-02-1994	18.37
(D-2-4)4dcc-1 —Continued	07-13-1994	22.48
	08-12-1994	25.52
	09-09-1994	24.13
	10-03-1994	19.87
	10-06-1994	17.84
	11-09-1994	30.63
	03-17-1995	24.44
	04-06-1995	27.58
	05-10-1995	15.06
	06-12-1995	15.79
	07-07-1995	20.19
	08-03-1995	24.36
	09-05-1995	27.14
(D-2-4)4dcc-2	02-09-1988	27.69
	02-10-1988	27.65
	02-15-1988	27.55
	02-20-1988	28.97
	02-25-1988	28.13
	02-29-1988	27.29
	03-10-1988	26.83
	03-15-1988	26.89
	03-20-1988	26.79
	03-25-1988	26.71
	03-31-1988	26.17
	04-05-1988	25.93
	04-10-1988	25.67
	04-15-1988	25.63
	04-20-1988	20.97
	04-25-1988	20.23
	04-30-1988	19.02
	05-05-1988	19.21
	05-10-1988	20.01
	05-15-1988	17.52
	05-20-1988	18.12
	05-25-1988	17.90
	05-31-1988	18.62
	06-05-1988	19.00
	06-02-1994	19.96
	07-13-1994	25.50
	08-12-1994	27.85
	09-09-1994	25.74
	10-03-1994	23.91
	10-06-1994	21.93
	11-09-1994	27.65
	12-14-1994	31.48
	01-12-1995	30.09
	02-13-1995	28.38
	03-17-1995	23.67
	04-06-1995	24.70
	05-10-1995	18.12
	06-12-1995	16.63
	07-13-1995	22.23
	08-03-1995	24.70
	09-05-1995	26.28
(D-2-4)5cdd-1	07-01-1994	6.90
	08-12-1994	7.89
	09-14-1994	9.00
	10-06-1994	9.33
	11-09-1994	8.55
	12-15-1994	9.54
	01-12-1995	9.44
	02-15-1995	9.61
	03-17-1995	9.65
	04-06-1995	8.39
	05-09-1995	5.17
	06-12-1995	-2.80
	08-03-1995	-2.80
(D-2-4)6bbb-1	06-30-1994	56.64
	09-14-1994	102.54
	10-06-1994	92.13
	11-14-1994	33.10
	12-21-1994	28.54
	02-15-1995	35.45
	03-16-1995	37.42
	04-10-1995	40.14
	05-09-1995	28.98
	06-12-1995	24.75
	07-07-1995	79.03
	08-02-1995	94.00
	09-06-1995	76.73
(D-2-4)8aaa-1	07-26-1983	29.23
	09-30-1983	29.52
	11-02-1983	29.67
	12-21-1983	31.03
	01-20-1984	31.71
	02-27-1984	31.88
	03-28-1984	31.08
	04-26-1984	30.35
	05-25-1984	30.62
	06-20-1984	28.66
	03-23-1987	32.86
	09-29-1987	35.35
	02-08-1988	32.23
	02-10-1988	31.63
	02-15-1988	31.34
	02-20-1988	35.48
	02-21-1988	34.52
	02-23-1988	33.23
	03-01-1988	31.18
	03-31-1988	31.32
	04-06-1989	30.87
	09-15-1989	38.36
	03-26-1990	31.84
	09-27-1990	29.92
	03-27-1991	31.15
	09-16-1991	29.12
	03-31-1992	30.81
	09-08-1992	37.71
	03-31-1993	29.33
	04-01-1994	30.68

Table 3. Water levels in selected wells in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Well number	Date	Water level
(D-2-4)8aaa-1	03-28-1995	31.36
—Continued	05-10-1995	28.23
(D-2-4)8dbd-1	06-27-1994	38.87
	08-11-1994	41.98
	09-12-1994	41.91
	05-10-1995	36.72
(D-2-4)8dbd-2	06-27-1994	40.54
	08-11-1994	45.14
	10-06-1994	49.63
	05-10-1995	40.57
(D-2-4)8dbd-3	06-27-1994	38.87
	08-11-1994	43.89
	09-12-1994	47.33
	10-06-1994	48.43
	11-09-1994	47.67
	12-14-1994	49.29
	02-17-1995	49.08
	03-17-1995	41.56
	04-06-1995	38.09
	05-10-1995	38.34
	06-12-1995	16.39
	07-07-1995	13.46
	08-03-1995	25.82
	09-05-1995	38.95
(D-2-4)9aac-1	07-26-1983	8.30
	09-30-1983	10.16
	11-02-1983	13.54
	12-21-1983	17.23
	01-20-1984	16.86
	02-27-1984	15.03
	03-28-1984	1.80
	04-26-1984	-5.75
	05-25-1984	-.82
	06-22-1984	-.08
	12-09-1986	22.45
	01-08-1987	24.51
	02-08-1987	25.24
	02-10-1987	25.25
	02-15-1987	24.93
	02-20-1987	25.05
	02-21-1987	24.99
	03-23-1987	14.76
	09-29-1987	15.29
	12-09-1987	22.45
	01-08-1988	24.51
	02-08-1988	25.24
	02-10-1988	25.25
	02-15-1988	24.93
	02-20-1988	25.05
	02-21-1988	24.99
	02-24-1988	17.81
	03-24-1988	17.81
	03-31-1988	15.27
	04-05-1988	14.18
(D-2-4)9aac-1	04-11-1988	12.82
—Continued	04-26-1988	11.61
	05-04-1988	11.44
	09-28-1988	14.92
	04-06-1989	5.76
	09-15-1989	12.80
	03-26-1990	20.96
	09-27-1990	20.47
	03-27-1991	19.00
	09-16-1991	11.33
	03-31-1992	23.58
	09-08-1992	27.17
	03-31-1993	.57
	04-01-1994	12.89
	05-26-1994	6.84
	07-14-1994	12.85
	08-11-1994	15.27
	09-09-1994	15.36
	10-03-1994	17.72
	10-06-1994	16.46
	11-09-1994	11.78
	12-14-1994	20.61
	03-14-1995	3.36
	04-12-1995	-2.30
	05-10-1995	2.53
	06-13-1995	-5.92
	07-11-1995	-.92
	08-03-1995	3.83
(D-2-4)9bdd-1	08-07-1987	27.71
	08-31-1987	26.85
	09-25-1987	28.87
	10-14-1987	29.67
	11-24-1987	30.28
	11-30-1987	30.45
	01-07-1988	32.35
	02-06-1988	30.76
	02-08-1988	30.71
	02-10-1988	30.50
	02-15-1988	29.71
	02-20-1988	29.68
	02-21-1988	29.65
	03-24-1988	23.16
	03-31-1988	23.20
	04-05-1988	23.41
	04-07-1988	23.44
	04-11-1988	23.62
	04-14-1988	23.73
	05-04-1988	24.16
	05-10-1995	22.16
(D-2-4)10bba-2	02-16-1988	15.63
	02-20-1988	15.75
	02-21-1988	15.72
	02-25-1988	15.54
	03-16-1988	14.99
	03-24-1988	14.68
	03-29-1988	14.50
(D-2-4)10bba-2	03-31-1988	14.67
—Continued	04-05-1988	14.42
	04-11-1988	14.28
	04-12-1988	14.25
	05-05-1988	13.67
	07-12-1994	17.74
	08-11-1994	19.71
	09-09-1994	19.64
	10-03-1994	16.76
	10-06-1994	15.95
	11-09-1994	15.12
	12-14-1994	20.69
	03-14-1995	13.85
	04-06-1995	12.84
	05-10-1995	13.11
	06-12-1995	12.15
	07-07-1995	13.16
	08-03-1995	14.34
	09-05-1995	16.41
(D-2-4)10bbc-3	02-25-1988	33.02
	03-16-1988	30.56
	03-24-1988	29.71
	03-31-1988	28.97
	04-05-1988	28.65
	04-11-1988	28.40
	04-12-1988	28.34
	05-05-1988	28.09
	07-12-1994	31.00
	08-11-1994	31.68
	09-09-1994	31.72
	10-03-1994	31.66
	10-06-1994	31.23
	11-09-1994	30.08
	12-14-1994	33.07
	01-12-1995	32.34
	02-13-1995	30.47
	03-14-1995	27.09
	04-06-1995	25.28
	05-10-1995	26.96
	06-12-1995	25.15
	07-19-1995	27.65
	08-02-1995	28.78
	09-05-1995	30.66

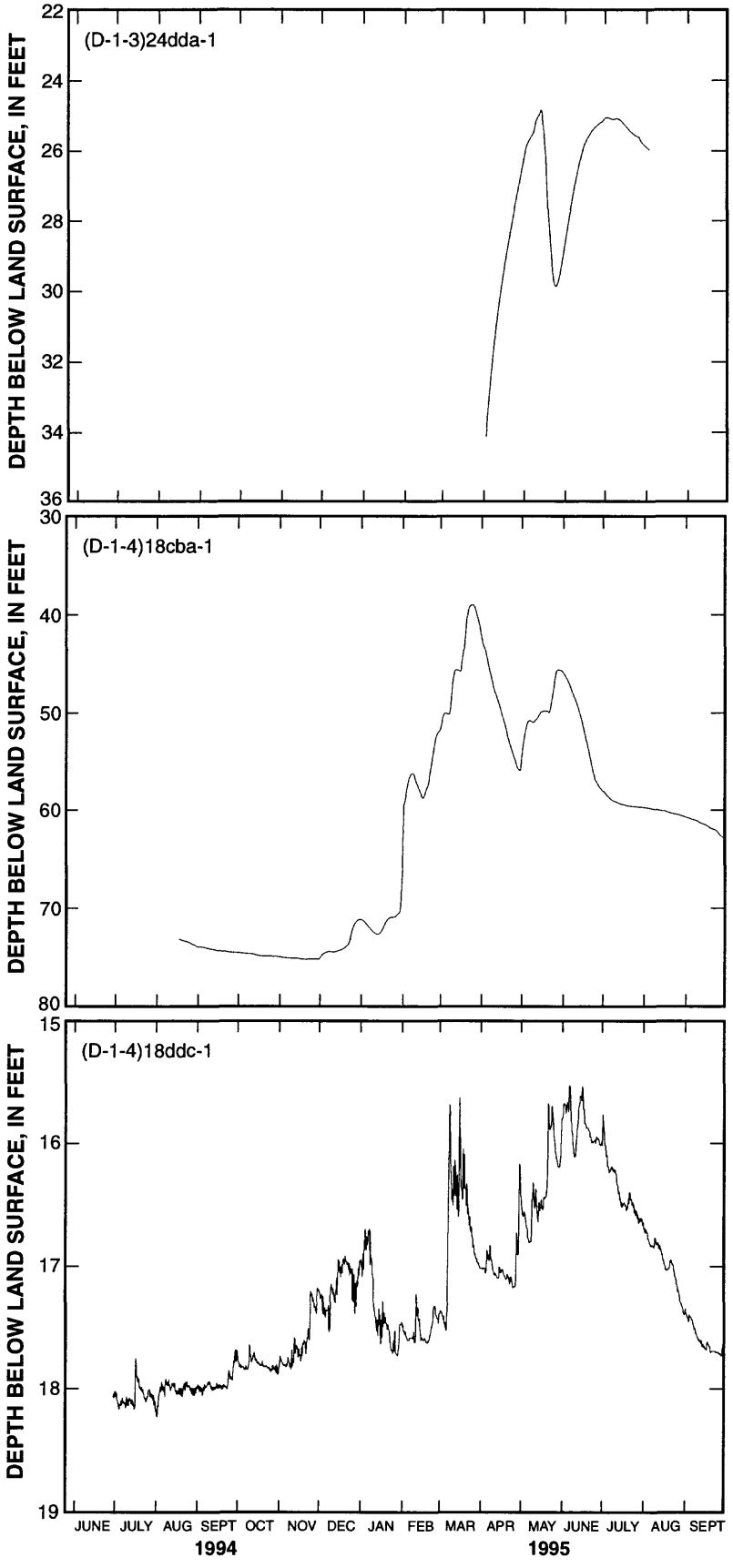

Figure 3. Water-level fluctuations in selected wells, Snyderville Basin, Utah.

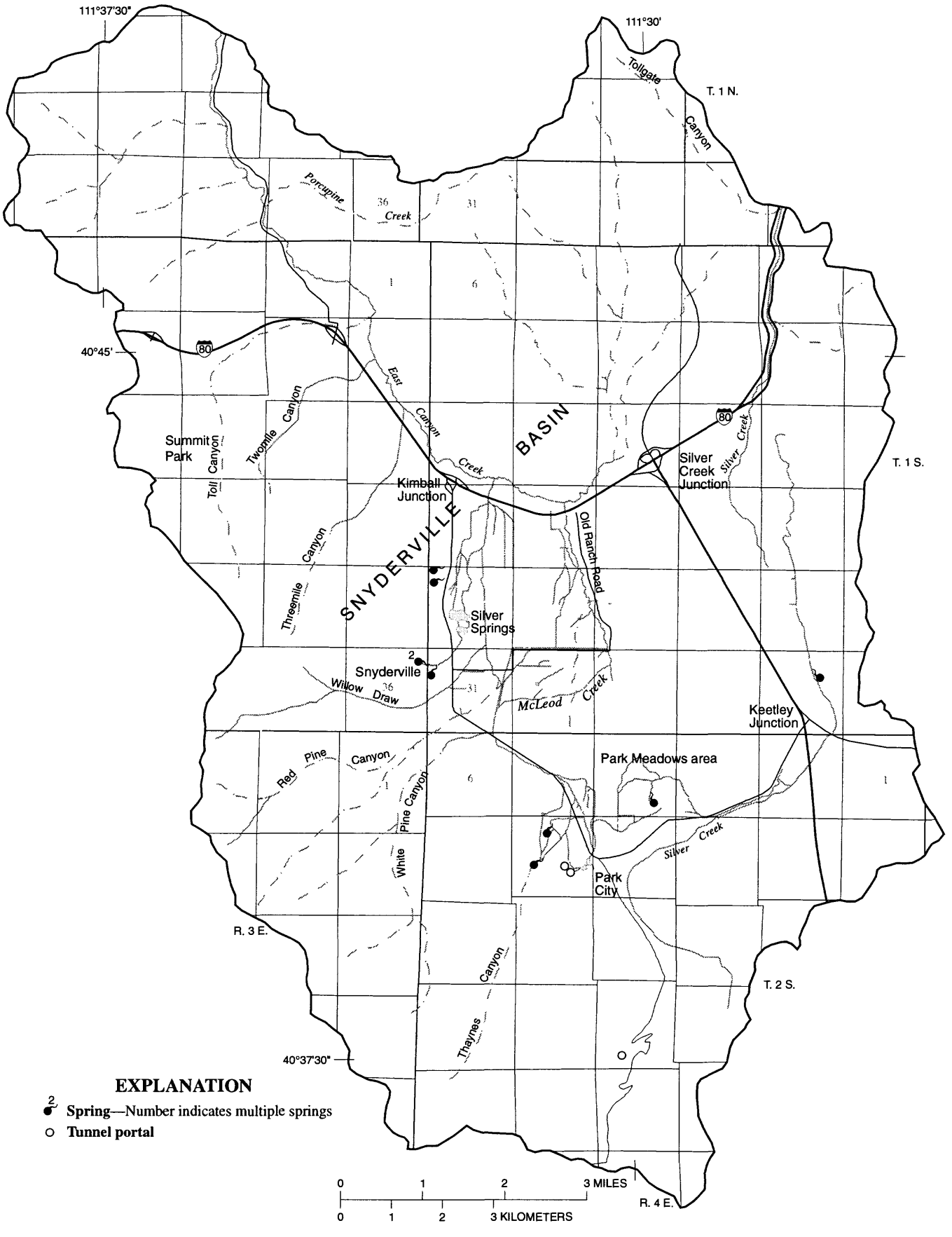

Figure 4. Location of selected springs and tunnel portals, Snyderville Basin, Park City, and adjacent areas, Utah.

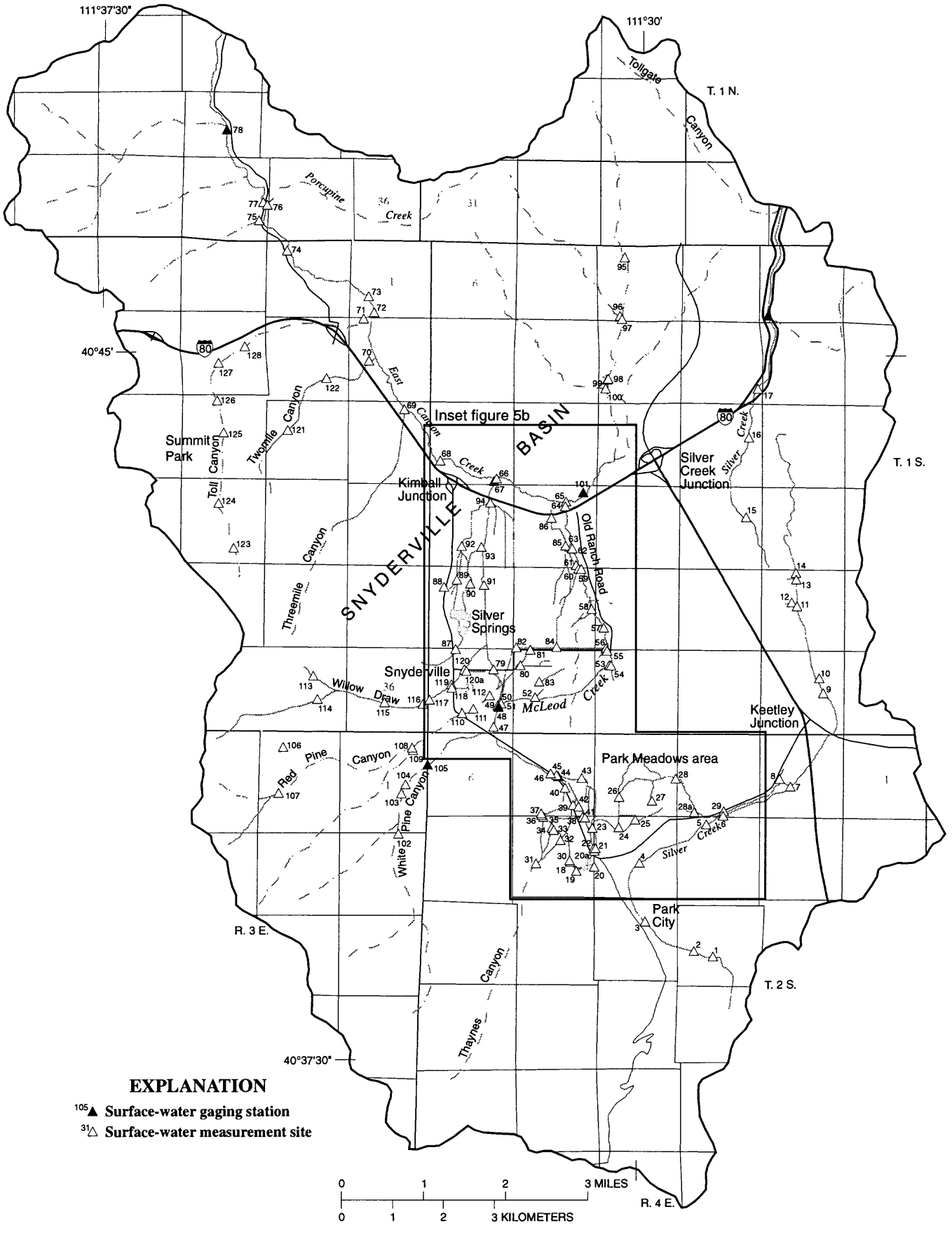

Figure 5a. Location of selected surface-water sites, Snyderville Basin, Park City, and adjacent areas, Utah.

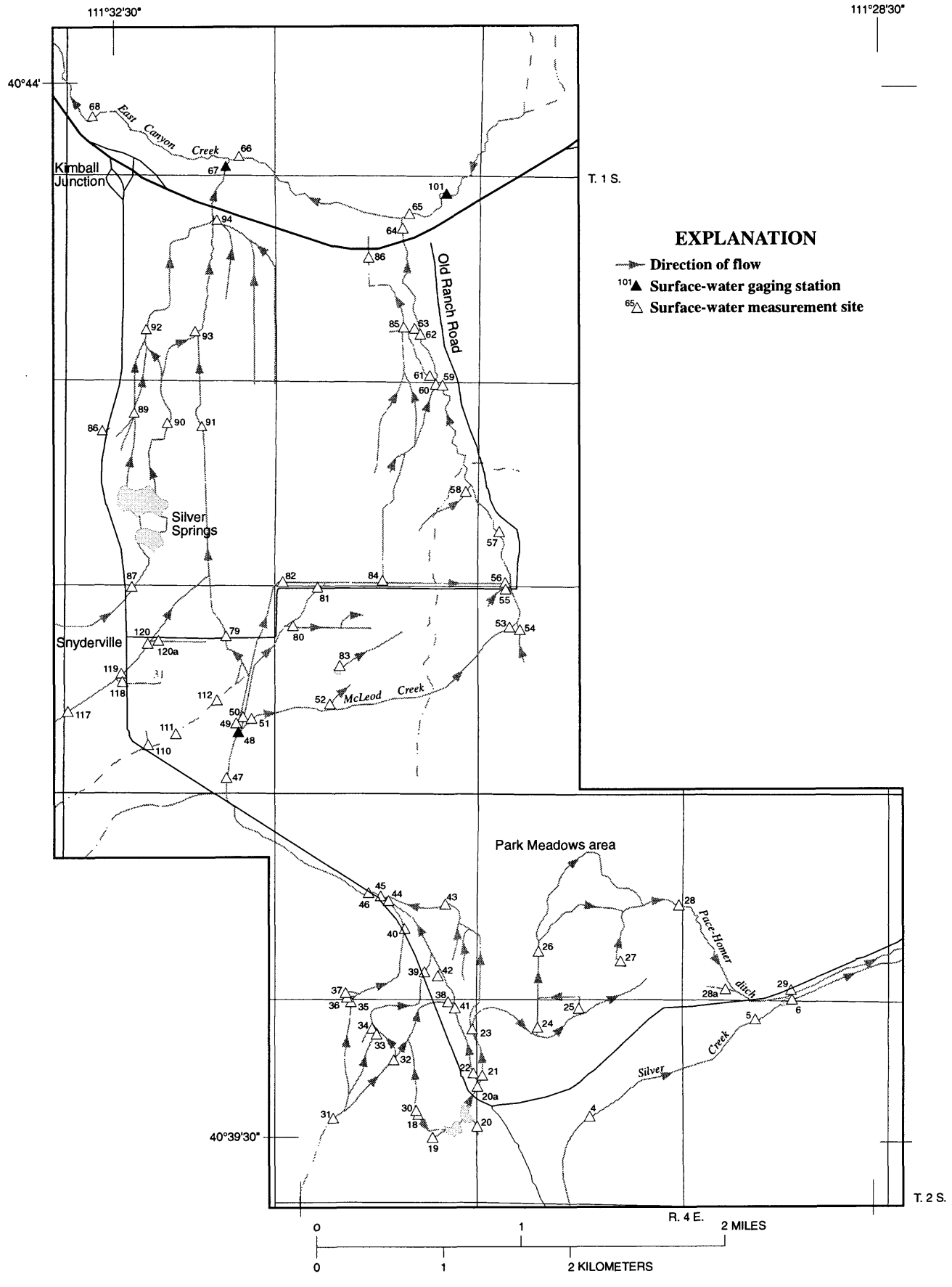

Figure 5b. Enlarged view of inset (fig. 5a).

Table 4. Physical properties, chemical analyses, and isotopic determinations of water from selected wells, springs, drains,

[mg/L, milligrams per liter; pg/kg, picograms per kilogram solution; —, no data available; <, less than]

Location: See figure 1 for an explanation of the numbering system used for hydrologic-data sites in Utah. Number in parentheses refers to
Formation: TCRK, Twin Creek Limestone; NGGT, Nugget Sandstone; TYNS, Thaynes Formation; ANKR, Ankareh Formation; ALVM,
Specific conductance: µS/cm, microsiemens per centimeter at 25 degrees Celsius. Measured in the field except where noted L,
pH: Measured in the field except where noted L, laboratory value.
Water temperature: °C, degrees Celsius. Measured in the field.
Oxygen, dissolved: Measured in the field.
Alkalinity: Measured in the field except where noted L, laboratory value.
Solids, dissolved: Sum of constituents.
Tritium, total: pCi/L, picocuries per liter.
$\delta^{18}O$: Oxygen-18/oxygen-16 stable isotope ratio, in permil.
δD: Hydrogen-2/hydrogen-1 stable isotope ratio, in permil.
$\delta^{34}S$: Sulfur-34/sulfur-32 stable isotope ratio, in permil.
CFC-11: Chlorofluorocarbon-11 (CCl_3F).
CFC-12: Chlorofluorocarbon-12 (CCl_2F_2).
CFC-113: Chlorofluorocarbon-113 ($C_2Cl_3F_3$).

Location	Formation	Date sampled	Specific conductance (µS/cm)	pH, field (standard units)	Water temperature (°C)	Oxygen, dissolved (mg/L)	Hardness, total (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Potassium, dissolved (mg/L as K)
					Wells						
(D-1-3)10aad-2	TCRK	01-24-95	3,710	6.9L	10.0	5.0	1,200	390	58	220	1.0
(D-1-3)10caa-1	TCRK	01-24-95	880	7.4L	6.0	1.0	380	94	36	23	1.2
(D-1-3)12bbc-1	NGGT	02-01-95	670	7.4	14.0	3.0	210	60	14	55	6.5
(D-1-3)13abb-1	TYNS	08-08-83	635	7.3	—	—	280	75	23	22	1.0
		02-01-95	680	7.3	11.0	2.0	310	86	24	25	.9
(D-1-3)14bcc-1	TYNS	01-27-95	850	7.5	8.0	3.0	390	100	35	18	1.0
(D-1-3)15acb-1	TCRK	11-19-93	770	7.4	11.0	—	410	84	49	14	2.0
(D-1-3)16baa-1	TCRK	01-24-95	590	7.4L	4.0	2.0	300	88	19	6.2	.8
(D-1-3)35daa-1	NGGT	02-06-95	395	7.4	—	5.0	170	46	13	13	1.8
(D-1-3)35dba-1	ANKR	02-06-95	1,890	7.5	6.0	—	1,100	280	88	32	2.7
(D-1-4)9dbd-1	ALVM	03-22-95	570	7.3	7.5	5.0	240	71	16	24	1.9
(D-1-4)18cda-1	TCRK	01-25-95	1,040	7.2L	6.5	1.0	440	120	34	33	1.3
(D-1-4)21aac-1	KTLY	02-10-95	720	7.3	10.5	3.0	270	77	20	30	4.2
(D-1-4)21ddd-1	TCRK	02-10-95	1,420	7.4	13.0	1.0	670	130	83	39	2.8
(D-1-4)29dcc-2	ALVM	08-16-83	650	7.1	13.0	—	320	90	23	8.2	1.1
		03-14-95	690	7.3	6.5	—	330	95	23	9.2	.9
(D-1-4)30cba-1	NGGT	08-03-83	500	7.2	11.0	—	220	63	16	15	1.4
		01-25-95	485	7.4L	14.0	3.0	220	60	16	13	1.5
(D-1-4)35dbb-1	WEBR	08-22-83	500	8.0	10.5	—	210	50	21	18	7.2
		02-03-95	630	7.8	—	—	250	59	26	20	10
(D-2-4)4dda-1	TYNS	02-07-95	1,050	7.4	12.0	4.0	460	130	32	33	1.6
(D-2-4)8aaa-1	TYNS	02-07-95	890	7.4	9.0	3.0	450	130	30	15	1.7

number of site in figure 5.
unconsolidated deposits; KTLY, Keetley Volcanics; WEBR, Weber Quartzite; NA, not applicable.
laboratory value.

Alkalinity (mg/L as $CaCO_3$)		Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Iodide, dissolved (mg/L as I)	Silica, dissolved (mg/L as SiO_2)	Solids, dissolved (mg/L)	Tritium, total (pCi/L)	$\delta^{18}O$ (per mil)	δD (per mil)	$\delta^{34}S$ (per mil)	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)
							Wells							
184	L	30	1,000	0.1	.042	18	1,830	57	-16.39	-124	13.4	342.6	336.1	81.5
245	L	82	96	.2	.021	13	492	—	-16.88	-126	16.1	345.7	—	42.5
194		80	38	.3	.001	17	387	—	-17.61	-134	14.3	9.7	16.3	2.1
240	L	75	13	.1	—	12	366	—	—	—	—	—	—	—
238		70	29	.1	.001	13	391	—	-17.06	-128	17.3	392.2	273.7	49.1
220		190	18	.2	<.001	14	508	—	-17.33	-129	28.5	454.0	137.3	27.7
272		170	7.6	.5	.044	13	503	—	—	—	—	—	—	—
266	L	15	8.7	<.1	.001	6.8	304	39	-17.18	-128	3.3	55.5	74.7	7.6
166		20	9.2	<.1	.002	9.7	213	11	-18.00	-133	12.8	140.1	109.3	23.6
94		1,000	3.5	.2	.001	14	1,480	17	-17.58	-130	14.2	144.0	104.5	25.2
213		8.0	54	.3	.001	50	348	<.3	-17.40	-133	11.4	.0	.0	.0
234	L	140	110	.2	.006	17	596	36	-16.79	-126	12.2	263.5	153.4	20.6
172		33	97	.1	.002	45	409	—	-17.12	-132	11.9	209.2	90.0	7.8
183		480	47	.2	.033	16	908	—	-17.18	-133	17.4	74.5	19.7	2.6
148	L	190	12	<.1	—	12	428	—	—	—	—	—	—	—
138		170	26	<.1	<.001	12	422	—	-17.21	-129	10.4	—	—	—
210	L	34	17	.1	—	12	286	—	—	—	—	—	—	—
206	L	21	17	<.1	.001	12	264	2.7	-17.85	-134	13.1	23.6	11.5	.9
190	L	36	20	.2	—	52	319	—	—	—	—	—	—	—
196		62	35	.2	.006	60	390	1.4	-17.35	-132	14.5	—	—	—
165		220	96	.1	.001	14	626	54	-17.25	-130	9.6	—	—	79.7
194		220	37	.1	.001	15	565	58	-17.46	-129	10.3	—	—	85.4

Table 4. Physical properties, chemical analyses, and isotopic determinations of water from selected wells, springs, drains,

Location	Formation	Date sampled	Specific conductance (µS/cm)	pH, field (standard units)	Water temperature (°C)	Oxygen, dissolved (mg/L)	Hardness, total (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Potassium, dissolved (mg/L as K)
Springs, drains, and tunnels											
(D-1-3)14bcd-S1	TYNS	06-23-83	430	7.4	7.0	—	230	76	10	7.4	0.7
		01-27-95	435	7.3	8.0	4.0	210	70	9.2	6.0	.4
(D-1-3)36aad-S1	TCRK	07-28-83	330	7.5	6.0	—	160	50	8.8	4.7	.8
		02-27-95	390	8.2	5.5	—	190	56	12	5.4	.9
(D-2-4)4dca-S1	TYNS	09-13-67	690	7.4	8.0	—	340	100	23	5.8	1.0
		08-22-83	720	7.4	9.5	—	340	93	27	11	1.5
		03-07-95	820	7.8	10.0	—	420	120	29	14	1.4
(D-2-4)8cab-S1	TYNS	09-09-82	370	7.6	6.0	—	170	44	14	3.2	.5
		06-02-83	310	7.2	5.5	—	160	47	9.9	3.0	.6
		08-22-83	315	7.7	5.5	—	170	44	14	3.3	.5
		03-13-95	340	8.0	5.0	—	170	46	14	3.4	.5
(D-2-4)3ccd-2	ALVM	09-02-87	1,070	6.6	16.0	—	540	150	39	15	2.2
		03-07-95	1,470	8.0L	6.0	—	640	190	39	54	1.9
(D-2-4)3ccd-3	ALVM	08-09-91	1,070	7.2	17.5	—	520	150	34	20	2.0
(D-2-4)8dba	WEBR	08-03-79	870	7.9	9.5	—	530	150	37	5.9	2.2
		05-14-80	830	7.8	9.0	—	460	130	34	5.4	1.7
		02-25-83	1,000	8.4	8.5	—	580	170	38	6.3	1.9
		02-07-95	800	7.6	9.0	—	430	110	37	5.5	1.9
(D-2-4)8dbd	WEBR	02-24-83	830	7.1	9.0	—	440	110	41	6.2	2.0
		02-27-95	1,020	7.9	8.0	—	570	170	35	5.4	2.2
(D-2-4)21cdc	WEBR	02-07-95	360	7.2	5.5	—	160	52	8.3	3.8	1.2
Streams											
McLeod Creek near I-80 (64)	NA	08-03-79	700	8.2	12.5	—	360	100	26	11	1.2
		02-26-80	740	8.2	.0	14.6	430	120	31	15	1.8
		04-03-80	750	8.2	.5	11.4	390	110	29	12	1.7
		05-14-80	530	8.1	7.0	10.1	270	77	20	8.7	1.3
		08-13-80	670	8.5	23.0	8.6	350	97	25	10	1.2
		03-01-95	900	7.8L	4.5	—	440	130	29	23	1.7
McLeod Creek near Park City (48)	NA	02-27-95	940	8.4	6.5	—	450	130	30	24	2.3
Pace-Homer Ditch (29)	NA	04-13-88	760	7.6	9.0	—	400	110	30	23	2.1
		02-28-95	1,140	7.6	4.5	—	520	140	41	38	2.1
Snowmelt at (D-2-4)30aab	NA	04-07-95	3	5.5	—	—	1	.36	.04	.10	.17
Park Meadow collection box (28)	NA	04-13-88	700	8.0	10.0	—	340	89	29	20	2.6
		03-07-95	1,230	7.8	3.0	—	540	140	47	52	2.2
Silver Creek (5)	NA	04-29-87	1,080	8.6	18.0	9.1	290	87	17	110	2.9
	NA	07-09-87	1,570	8.0	19.5	—	830	230	62	39	3.9
	NA	04-13-88	1,200	8.5	15.5	—	280	83	17	130	3.3

Alkalinity (mg/L as $CaCO_3$)		Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Iodide, dissolved (mg/L as I)	Silica, dissolved (mg/L as SiO_2)	Solids, dissolved (mg/L)	Tritium, total (pCi/L)	$\delta^{18}O$ (per mil)	δD (per mil)	$\delta^{34}S$ (per mil)	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)
Springs, drains, and tunnels														
114	L	15	8.7	0.1	—	8.8	310	—	—	—	—	—	—	—
202		12	8.7	<.1	<.001	8.2	236	—	-17.34	-127	14.3	399.0	226.1	52.5
166	L	5.6	3.8	<.1	—	7.6	182	—	—	—	—	—	—	—
175		18	3.6	<.1	<.001	8.7	210	—	-17.47	-130	11.9	—	—	—
—		190	10	.3	—	14	447	—	—	—	—	—	—	—
186	L	150	24	.1	—	14	443	—	—	—	—	—	—	—
180		210	31	.1	.001	14	524	—	-17.40	-129	10.2	—	—	—
133	L	25	2.8	<.1	—	6.9	178	—	—	—	—	—	—	—
148	L	11	2.5	<.1	—	7.1	171	—	—	—	—	—	—	—
141	L	22	2.7	<.1	—	6.8	179	—	—	—	—	—	—	—
143		23	2.9	<.1	<.001	7.6	186	—	-17.55	-131	19.6	—	—	—
94	L	330	39	.2	—	16	708	—	—	—	—	—	—	—
128	L	220	240	.1	.003	12	834	—	-16.39	-123	4.0	—	—	—
166	L	290	63	.2	—	14	679	—	—	—	—	—	—	—
140		400	4.4	.2	—	6.5	691	—	—	—	—	—	—	—
140		330	4.3	.2	—	16	606	—	—	—	—	—	—	—
141	L	440	4.1	.2	—	17	763	—	—	—	—	—	—	—
139		280	5.3	.2	.001	16	539	44	-17.88	-132	12.1	—	—	—
147	L	310	4.8	.2	—	16	579	—	—	—	—	—	—	—
135		420	3.7	.2	<.001	17	734	—	-17.72	-131	8.7	—	—	—
100		70	1.9	.2	.001	20	217	—	-17.42	-127	.1	—	—	—
Streams														
190		180	18	.1	—	16	469	—	—	—	—	—	—	—
170		220	25	.2	—	13	531	—	—	—	—	—	—	—
160		240	19	.1	—	13	523	—	—	—	—	—	—	—
140		120	13	.1	—	11	338	—	—	—	—	—	—	—
170		170	15	.2	—	15	438	—	—	—	—	—	—	—
180	L	220	60	.1	.002	15	587	—	-17.22	-128	10.2	—	—	—
145		280	47	.2	.002	13	614	—	-17.53	-132	9.7	—	—	—
188	L	180	47	—	—	13	519	—	—	—	—	—	—	—
207		270	88	.1	.014	14	720	—	-17.04	-128	8.7	—	—	—
1		.32	.08	<.01	<.001	—	2	22	-17.68	-131	6.5	—	—	—
187	L	150	28	—	—	11	443	—	—	—	—	—	—	—
250		280	91	.2	.025	16	771	—	-16.84	-126	10.0	—	—	—
100		150	220	.4	—	9.6	666	—	—	—	—	—	—	—
123		650	55	.3	—	15	1,140	—	—	—	—	—	—	—
110	L	100	260	—	—	10	670	—	—	—	—	—	—	—

Table 4. Physical properties, chemical analyses, and isotopic determinations of water from selected wells, springs, drains,

Location	Formation	Date sampled	Specific conductance (µS/cm)	pH, field (standard units)	Water temperature (°C)	Oxygen, dissolved (mg/L)	Hardness, total (mg/L as $CaCO_3$)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)	Potassium, dissolved (mg/L as K)
Streams—Continued											
Silver Creek (4)	NA	03-09-95	1,650	8.1	5.0	—	340	100	21	250	4.0
Unnamed creek (Spring Creek (67)	NA	02-16-95	1,530 L	8.0	.0	—	380	110	26	150	3.0
Willow Creek (115)	NA	06-03-83	260	7.9	8.0	—	130	37	9.3	4.5	1.3
		08-05-83	420	8.3	14.0	—	210	58	17	6.0	1.3
	NA	03-08-95	395	7.9L	1.5	—	180	52	13	9.2	.9

tunnels, and streams in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

	Alkalinity (mg/L as $CaCO_3$)	Sulfate, dissolved (mg/L as SO_4)	Chloride, dissolved (mg/L as Cl)	Fluoride, dissolved (mg/L as F)	Iodide, dissolved (mg/L as I)	Silica, dissolved (mg/L as SiO_2)	Solids, dissolved (mg/L)	Tritium, total (pCi/L)	$\delta^{18}O$ (per mil)	δD (per mil)	$\delta^{34}S$ (per mil)	CFC-11 (pg/kg)	CFC-12 (pg/kg)	CFC-113 (pg/kg)
Streams—Continued														
151		88	470	0.3	0.010	11	1,030	—	-15.17	-115	7.3	—	—	—
196		75	320	.1	.006	13	815	—	-16.61	-124	9.0	—	—	—
121	L	11	3.4	<.1	—	8.3	151	—	—	—	—	—	—	—
192	L	40	4.3	.1	—	9.2	252	—	—	—	—	—	—	—
133	L	47	13	<.1	.002	9.2	224	—	-17.28	-129	13.3	—	—	—

Table 5. Measurements of discharge, temperature, specific conductance, and pH of water from selected springs in Snyderville Basin, Park City, and adjacent areas, Utah

[—, no data available]

Location of spring or measurement site: See figure 1 for an explanation of the numbering system used for hydrologic-data sites in Utah.
Formation: TCRK, Twin Creek Limestone; NGGT, Nugget Sandstone; KTLY, Keetley Volcanics; TYNS, Thaynes Formation.
Discharge: ft^3/s, cubic feet per second.
Temperature: °C, degrees Celsius.
Specific conductance: µS/cm, microsiemens per centimeter at 25 degrees Celsius. Measured in the field.
pH: Measured in the field.

Location of spring	Location of measurement site	Name of spring	Formation	Date of measurement	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)	pH, field (standard units)
[1](D-1-3)36aad-S1	near gage at weir	Silver Springs	TCRK	07-15-94	0.60	7.5	295	7.6
				08-15-94	.33	10.0	340	7.7
				10-07-94	.09	7.5	340	8.1
				02-27-95	.48	—	—	—
				03-17-95	1.21	6.0	365	7.8
				04-12-95	2.93	6.0	310	7.3
				05-16-95	9.41	5.5	260	—
				06-19-95	8.33	5.5	290	7.1
				07-07-95	6.44	6.0	260	7.4
				08-02-95	2.24	6.5	295	7.4
				09-25-95	.70	6.5	330	7.9
(D-1-3)36aad-S2	near house at (D-1-4)30bca-1		TCRK	08-26-94	.11	—	—	—
				10-11-94	.10	7.5	360	—
				10-24-94	.18	7.5	345	—
(D-1-4)30bbb-S1			NGGT	07-29-94	.01	16.5	510	7.6
(D-1-4)30bbc-S1			NGGT	08-02-94	.01	16.0	215	6.2
(D-1-4)31bcb-S1		Ephraim Spring	NGGT	08-02-94	.02	7.5	500	7.1
(D-1-4)35aca-S1	near source	Homer Springs	KTLY	10-12-94	.01	9.0	405	—
(D-2-4)4dca-S1	downstream from pond	Dority Springs	TYNS	07-27-94	.28	12.0	830	7.5
				08-09-94	0	—	—	—
				10-12-94	.37	—	—	—
				10-25-94	1.66	8.5	820	—
				10-28-94	1.78	8.5	830	—
				02-17-95	.03	4.5	640	—
				03-07-95	.11	10.0	820	7.8
				03-17-95	.76	9.0	840	7.4
				04-11-95	.52	9.0	860	7.7
				05-15-95	1.29	10.0	830	—
				06-15-95	1.36	9.0	840	7.4
				07-07-95	1.01	10.0	820	7.5
				07-31-95	.76	10.0	810	7.2
				09-22-95	.54	10.0	810	7.4
(D-2-4)8bda-S1	near hole number 14		unknown	10-12-94	.45	6.0	435	—
				10-25-94	.29	4.5	430	—
				10-28-94	.32	5.5	430	—

Table 5. Measurements of discharge, temperature, specific conductance, and pH of water from selected springs in Snyderville Basin, Park City, and adjacent areas, Utah—*Continued*

Location of spring	Location of measurement site	Name of spring	Formation	Date of measurement	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)	pH, field (standard units)
(D-2-4)8cab-S1	at source	Sullivan Springs	TYNS	07-28-94	2.53	5.0	320	7.4
				08-15-94	2.12	5.0	320	7.1
				09-14-94	2.02	5.0	325	7.0
				10-12-94	1.66	5.0	—	—
				10-25-94	1.37	5.0	320	—
				10-28-94	1.25	5.0	315	—
				03-13-95	.87	5.0	340	—
				04-12-95	1.31	5.0	340	7.4
				05-16-95	2.63	5.0	355	—
				06-15-95	18.9	5.0	290	7.5
				07-07-95	13.4	5.0	285	7.7
				08-02-95	5.82	5.0	305	7.4
				09-25-95	2.58	5.0	315	7.6

[1]Reported discharge does not include amount entering Silver Springs Water Company distribution system.

Table 6. Measurements of discharge, temperature, specific conductance, and pH of water from selected streams in Snyderville Basin, Park City, and adjacent areas, Utah

[—, no data available]

Number of measurement site: Number refers to number of site on figure 5.
Location of measurement site: See figure 1 for an explanation of the numbering system used for hydrologic-data sites in Utah.
Discharge: ft^3/s, cubic feet per second.
Temperature: °C, degrees Celsius.
Specific conductance: µS/cm, microsiemens per centimeter at 25 degrees Celsius. Measured in the field.
pH: Measured in the field except where noted L, laboratory value.

Number of measurement site	Location of measurement site	Description of site	Date of measurement	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)	pH (standard units)
1	(D-2-4)15cad	Silver Creek	07-20-94	0.08	—	680	—
18	(D-2-4)8dba	Spiro Tunnel east channel	10-12-94	2.75	8.0	560	—
			02-27-95	1.70	—	—	—
			05-17-95	2.63	7.5	890	7.9
			06-16-95	2.28	—	—	—
			07-18-95	3.82	7.5	850	7.6
			08-01-95	3.51	7.5	920	7.6
			09-22-95	4.53	8.0	980	8.0
20a	(D-2-4)9bcc	McLeod Creek	10-25-94	7.56	—	—	—
			10-28-94	6.26	7.5	880	—
			05-18-95	17.1	9.5	1,050	8.3
			06-16-95	26.1	7.5	590	8.1
			07-18-95	13.7	10.0	620	8.0
			08-01-95	5.52	14.0	670	8.0
21	(D-2-4)9bcc	Diversion to Park Meadows area	10-12-94	4.31	—	—	—
			10-25-94	3.49	6.0	830	—
			10-28-94	3.11	6.5	880	—
			05-18-95	5.39	—	—	—
			06-16-95	5.98	—	—	—
			07-18-95	5.63	—	—	—
			08-01-95	2.52	14.0	670	8.0
			09-22-95	4.56	—	—	—
28a	(D-2-4)3ccd	Unnamed ditch	03-07-95	.20	6.0	1,470	8.0L
29	(D-2-4)3dcc	Pace-Homer ditch	10-12-94	3.73	—	—	—
			10-13-94	4.74	9.0	950	—
			10-25-94	4.84	8.0	940	—
			10-26-94	4.79	6.5	940	—
			10-28-94	4.75	8.0	940	—
			02-27-95	2.32	—	—	—
			05-18-95	8.75	11.0	960	—
			06-16-95	11.6	13.0	870	—
			07-19-95	7.50	18.5	830	—
			07-31-95	4.03	19.0	890	7.8
			09-22-95	6.46	15.5	920	8.2

Table 6. Measurements of discharge, temperature, specific conductance, and pH of water from selected streams in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Number of measurement site	Location of measurement site	Description of site	Date of measure-ment	Dis-charge (ft^3/s)	Temper-ature (°C)	Specific conductance (µS/cm)	pH (standard units)
30	(D-2-4)8dba	Spiro Tunnel north channel	10-12-94	0.52	7.5	—	—
			10-25-94	.44	7.5	970	—
			10-28-94	.45	8.0	960	—
			02-27-95	3.17	—	—	—
			05-17-95	4.04	7.5	880	—
			06-16-95	3.59	7.5	800	7.5
			07-18-95	4.95	7.5	850	7.6
			08-01-95	4.80	—	—	—
			09-22-95	.82	7.5	990	7.8
41	(D-2-4)8aaa	McLeod Creek	10-12-94	2.45	7.5	900	—
			10-25-94	2.61	8.0	880	—
			10-28-94	1.69	9.0	870	—
			05-17-95	7.99	8.5	740	8.3
			06-16-95	[1]32.4	7.5	490	—
			07-18-95	7.36	10.5	710	7.6
			08-01-95	2.48	14.5	750	7.9
			09-22-95	1.54	9.5	850	—
64	(D-1-4)20acb	McLeod Creek near I-80	03-01-95	8.9	—	—	—
67	(D-1-4)18ddc	Unnamed creek near Kimball	08-10-94	.45	—	—	—
		Junction (U.S. Geological Survey	09-14-94	.55	11.0	660	8.3
		gaging station 404339111320300)	09-29-94	1.31	—	—	—
			03-17-95	38.2	8.0	630	8.1
			03-20-95	25.8	—	—	—
			03-23-95	23.4	—	—	—
			03-24-95	33.1	—	—	—
			03-29-95	16.0	—	—	—
			04-11-95	16.8	12.0	720	8.5
			05-12-95	39.0	—	—	—
			05-24-95	48.0	—	—	—
			06-15-95	36.2	14.5	340	8.6
			06-22-95	25.6	—	—	—
			07-07-95	13.3	16.5	365	8.4
			07-31-95	4.06	11.5	510	7.9
			09-07-95	2.70	17.0	550	8.5
			10-05-95	2.32	8.5	640	8.4
			11-02-95	2.71	4.0	640	—
69	(D-1-3)13aba	Threemile Canyon	05-24-95	7.05	—	—	—
70	(D-1-3)12cab	Twomile Canyon	05-24-95	3.15	—	—	—
71	(D-1-3)12bba	Toll Canyon	05-24-95	22.0	—	—	—

Table 6. Measurements of discharge, temperature, specific conductance, and pH of water from selected streams in Snyderville Basin, Park City, and adjacent areas, Utah—Continued

Number of measurement site	Location of measurement site	Description of site	Date of measurement	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)	pH (standard units)
105	(D-2-3)1aad	White Pine Canyon near Park City (U.S. Geological Survey gaging station 404039111325700)	05-05-94	2.39	6.5	213	8.3
			05-12-94	6.80	8.5	144	—
			05-20-94	9.65	6.0	171	8.1
			05-26-94	9.47	6.5	195	8.1
			06-03-94	8.14	7.0	230	8.0
			06-17-94	3.39	11.5	265	8.2
			07-14-94	1.92	12.0	285	8.1
			08-15-94	1.18	13.5	290	8.3
			09-15-94	.73	10.0	290	8.4
			10-07-94	.67	7.5	290	8.1
			11-14-94	.66	—	—	—
			12-21-94	.48	—	—	—
			02-17-95	.51	.5	245	8.5
			03-16-95	1.07	4.5	270	—
			04-12-95	1.39	7.5	245	8.5
			05-15-95	4.84	8.5	185	—
			05-24-95	18.7	—	—	—
			06-14-95	45.5	7.5	165	—
			06-19-95	29.3	—	—	—
			07-06-95	15.6	10.5	230	8.5
			07-31-95	4.66	8.0	290	8.3
			09-07-95	2.24	11.5	300	8.1
			10-05-95	1.57	5.5	300	8.5
			11-02-95	.97	.5	290	—
106	(D-2-3)2baa	Red Pine Canyon	07-15-94	.17	10.0	305	7.8
107	(D-2-3)2cab	Red Pine Canyon	07-15-94	.53	10.5	145	8.2
113	(D-1-3)35acb	Willow Draw	07-15-94	.05	12.0	345	8.0
114	(D-1-3)35dab	Willow Draw	07-15-94	.45	8.5	325	8.1
115	(D-1-3)36caa	Willow Draw	10-31-94	.35	—	—	—

[1]Estimated.

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Snyderville Basin, Park City, and adjacent areas, Utah, during seepage studies

[—, no data available]

Number of measurement site: Number refers to number of site on figure 5.
Location of measurement site: See figure 1 for an explanation of the numbering system used for hydrologic-data sites in Utah.
Discharge: ft^3/s, cubic feet per second.
Temperature: °C, degrees Celsius.
Specific conductance: µS/cm, microsiemens per centimeter at 25 degrees Celsius. Measured in the field.

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		Silver Creek, March 9, 1995			
2	(D-2-4)15cba		0.37	1.5	1,730
	(D-2-4)16adc	Inflow from Ontario Canyon	unknown	—	—
3	(D-2-4)16acb		.51	—	—
5	(D-2-4)10bab		.87	—	—
		Silver Creek, May 19, 1995			
2	(D-2-4)15cba		2.22	—	—
	(D-2-4)16adc	Inflow from Ontario Canyon	unknown	—	—
3	(D-2-4)16acb		6.49	—	—
5	(D-2-4)10bab		7.77	—	—
		Silver Creek, September 27, 1995			
1	(D-2-4)15cad		.07	—	—
2	(D-2-4)15cba		.12	—	—
	(D-2-4)16adc	Inflow from Ontario Canyon	0	—	—
3	(D-2-4)16acb		.14	—	—
4	(D-2-4)9dbb		.13	—	—
5	(D-2-4)10bab		.12	—	—
		Silver Creek and Pace-Homer ditch, October 13, 1994			
29	(D-2-4)3dcc	Pace-Homer ditch	4.74	9.0	950
6	(D-2-4)3dcc	Discharge from pond	.08	8.0	1,300
7	(D-2-4)2cab		.62	7.0	1,510
8	(D-2-4)2cba		2.02	8.5	940
9	(D-1-4)35acd		3.65	8.5	—
10	(D-1-4)35aca	Inflow from Homer Spring	.01	9.0	405
11	(D-1-4)26bdd		3.61	9.5	1,150
12	(D-1-4)26bdd		.01	—	—
13	(D-1-4)26bad		4.42	10.5	1,070
14	(D-1-4)26baa		1.15	10.5	1,150
15	(D-1-4)22adb		2.84	—	—
	(D-1-4)15adc	Inflow from treatment plant	[1]1.70	—	—
16	(D-1-4)15adc		5.54	—	—
17	(D-1-4)10dda		5.61	13.0	1,290

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Synderville Basin, Park City, and adjacent areas, Utah, during seepage studies—Continued

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		Silver Creek and Pace-Homer ditch, October 26, 1994			
29	(D-2-4)3dcc	Pace-Homer ditch	4.79	6.5	940
6	(D-2-4)3dcc	Discharge from pond	.22	—	—
11	(D-1-4)26bdd		4.71	3.0	1,230
15	(D-1-4)22adb		3.80	2.5	1,350
	(D-1-4)15adc	Inflow from treatment plant	[1]2.63	—	—
16	(D-1-4)15adc		6.17	6.0	1,320
17	(D-1-4)10dda		6.42	6.5	1,270
		Spiro Tunnel east channel, October 12, 1994			
18	(D-2-4)8dba		2.75	8.0	560
19	(D-2-4)8dac	Inflow	.10	—	—
	(D-2-4)8da	Inflow from treatment plant	unknown	—	—
20	(D-2-4)9cbc	Inflow	.02	—	—
21	(D-2-4)9bcc	Outflow to Park Meadows area	4.31	—	—
22	(D-2-4)9bcc		3.44	—	—
		Park Meadows area, October 12, 1994			
21	(D-2-4)9bcc		4.31	—	—
23	(D-2-4)8aad	Outflow	.32	—	—
24	(D-2-4)9bac		2.35	—	—
25	(D-2-4)9baa		.44	—	—
26	(D-2-4)4cdb		3.40	—	—
27	(D-2-4)4dca	Inflow from Dority Spring	.37	—	—
29	(D-2-4)3dcc	Pace-Homer ditch	3.73	—	—
		Park Meadows area, October 25, 1994			
21	(D-2-4)9bcc		3.49	6.0	830
23	(D-2-4)8aad	Outflow	1.67	6.0	900
27	(D-2-4)4dca	Inflow from Dority Spring	1.66	8.5	820
29	(D-2-4)3dcc		4.84	8.0	940
		Park Meadows area, October 28, 1994			
21	(D-2-4)9bcc		3.11	6.5	880
23	(D-2-4)8aad	Outflow	1.70	7.0	910
27	(D-2-4)4dca	Inflow from Dority Spring	1.78	8.5	830
29	(D-2-4)3dcc		4.75	8.0	940

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Synderville Basin, Park City, and adjacent areas, Utah, during seepage studies—Continued

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		Pace-Homer ditch, September 22, 1995			
28	(D-2-4)4daa	Park Meadows collection box	5.94	—	—
29	(D-2-4)3dcc		6.46	15.5	920
		Area near mouth of Thaynes Canyon, October 12, 1994			
30	(D-2-4)8dba	Inflow from Spiro Tunnel	.52	7.5	—
31	(D-2-4)8cab	Inflow from Sullivan Spring	1.66	5.0	—
32	(D-2-4)8acb		.75	5.5	305
33	(D-2-4)8abc		.22	5.0	320
34	(D-2-4)8bad	Inflow from spring	.45	6.0	435
35	(D-2-4)8baa		.88	6.5	510
36	(D-2-4)5cdc	Inflow from spring	[2].02	—	—
37	(D-2-4)5cdc	Inflow from spring	.08	8.0	415
38	(D-2-4)8aaa	Outflow to McLeod Creek	.78	8.0	600
39	(D-2-4)5ddb	Outflow to McLeod Creek	.69	11.0	—
40	(D-2-4)5dbd	Outflow to McLeod Creek	.66	—	—
		Area near mouth of Thaynes Canyon, October 25, 1994			
30	(D-2-4)8dba	Inflow from Spiro Tunnel	.44	7.5	970
31	(D-2-4)8cab	Inflow from Sullivan Spring	1.37	5.0	320
34	(D-2-4)8bad	Inflow from spring	.29	4.5	430
36	(D-2-4)5cdc	Inflow from spring	[2].02	—	—
37	(D-2-4)5cdc	Inflow from spring	.09	—	—
38	(D-2-4)8aaa	Outflow to McLeod Creek	.81	7.0	570
39	(D-2-4)5ddb	Outflow to McLeod Creek	.74	10.0	495
40	(D-2-4)5dbd	Outflow to McLeod Creek	.44	8.0	600
		Area near mouth of Thaynes Canyon, October 28, 1994			
30	(D-2-4)8dba	Inflow from Spiro Tunnel	.45	8.0	960
31	(D-2-4)8cab	Inflow from Sullivan Spring	1.25	5.0	315
34	(D-2-4)8bad	Inflow from spring	.32	5.5	430
36	(D-2-4)5cdc	Inflow from spring	[2].02	—	—
37	(D-2-4)5cdc	Inflow from spring	[2].08	—	—
38	(D-2-4)8aaa	Outflow to McLeod Creek	.79	7.5	560
39	(D-2-4)5ddb	Outflow to McLeod Creek	.68	10.0	495
40	(D-2-4)5dbd	Outflow to McLeod Creek	.37	8.5	590
		McLeod Creek, October 12, 1994			
22	(D-2-4)9bcc		3.44	—	—
41	(D-2-4)8aaa		2.45	7.5	900
38	(D-2-4)8aaa	Inflow	.78	8.0	600
42	(D-2-4)5ddb	Inflow from spring	.02	—	—
39	(D-2-4)5ddb	Inflow	.69	11.0	540
40	(D-2-4)5dbd	Inflow	.66	—	—
43	(D-2-4)5daa	Inflow	.90	10.5	810
45	(D-2-4)5acc		4.76	10.0	750

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Synderville Basin, Park City, and adjacent areas, Utah, during seepage studies—Continued

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		McLeod Creek, October 25, 1994			
22	(D-2-4)9bcc		3.65	7.5	810
41	(D-2-4)8aaa		2.61	8.0	880
38	(D-2-4)8aaa	Inflow	.81	7.0	570
42	(D-2-4)5ddb	Inflow from spring	.05	—	—
39	(D-2-4)5ddb	Inflow	.74	10.0	495
40	(D-2-4)5dbd	Inflow	.44	8.0	600
44	(D-2-4)5acc		4.72	—	—
45	(D-2-4)5acc		[3]7.05	9.5	790
		McLeod Creek, October 28, 1994			
22	(D-2-4)9bcc		2.59	8.0	880
41	(D-2-4)8aaa		1.69	9.0	870
38	(D-2-4)8aaa	Inflow	.79	7.5	560
42	(D-2-4)5ddb	Inflow from spring	[2].05	—	—
39	(D-2-4)5ddb	Inflow	.68	10.0	495
40	(D-2-4)5dbd	Inflow	.37	8.5	590
44	(D-2-4)5acc		3.46	—	—
45	(D-2-4)5acc		[3]5.91	9.0	780
		McLeod Creek, September 27, 1995			
46	(D-2-4)5bdd		6.36	—	—
47	(D-1-4)31ddc		6.90	—	—
		McLeod Creek, September 28, 1995			
46	(D-2-4)5bdd		5.92	—	—
47	(D-1-4)31ddc		6.34	—	—
		McLeod Creek, October 11, 1994			
51	(D-1-4)31dac		1.23	6.0	790
52	(D-1-4)32cab	Outflow	.07	7.5	790
53	(D-1-4)33bbd		1.22	6.5	770
54	(D-1-4)33bbd	Inflow	.25	8.0	495
55	(D-1-4)33bba	Inflow	.10	9.0	600
56	(D-1-4)28ccc	Inflow	1.20	10.0	730
57	(D-1-4)28cbc	Inflow	.06	11.5	910
58	(D-1-4)29daa	Inflow	.19	15.0	865
59	(D-1-4)29aab		4.24	11.5	760
60	(D-1-4)29aab	Inflow	1.28	10.5	810
61	(D-1-4)20ddc	Outflow	3.72	10.5	740
63	(D-1-4)20dac	Inflow	5.48	13.0	750

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Synderville Basin, Park City, and adjacent areas, Utah, during seepage studies—Continued

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		McLeod Creek, October 11, 1994—Continued			
64	(D-1-4)20acb		6.24	—	—
65	(D-1-4)20abd	Inflow	.02	—	—
66	(D-1-4)18ddc		7.43	13.0	710
67	(D-1-4)18ddc	Inflow	1.37	13.5	540
68	(D-1-4)18cbc		7.06	13.0	690
		McLeod Creek and East Canyon Creek, October 24, 1994			
51	(D-1-4)31dac		1.19	4.0	485
53	(D-1-4)33bbd		1.43	3.0	470
54	(D-1-4)33bbd	Inflow	.24	6.0	500
55	(D-1-4)33bba	Inflow	.06	7.0	770
56	(D-1-4)28ccc	Inflow	2.33	8.0	790
58	(D-1-4)29daa	Inflow	.29	12.0	770
59	(D-1-4)29aab		5.67	5.0	780
60	(D-1-4)29aab	Inflow	1.76	7.0	800
61	(D-1-4)20ddc	Outflow	6.12	7.0	780
62	(D-1-4)20dbd		1.13	7.0	650
63	(D-1-4)20dac	Inflow	6.88	8.5	770
64	(D-1-4)20acb		6.93	7.5	870
66	(D-1-4)18ddc		7.77	9.5	680
67	(D-1-4)18ddc	Inflow	1.14	10.5	630
68	(D-1-4)18cbc		8.70	9.5	730
		East Canyon Creek, May 1, 1995			
68	(D-1-4)18cbc		49.5	—	—
69	(D-1-3)13aba	Inflow from Threemile Canyon	3.33	—	—
70	(D-1-3)12cba	Inflow from Twomile Canyon	1.57	—	—
71	(D-1-3)12bba	Inflow from Toll Canyon	14.6	—	—
	(D-1-3)1cd	Inflow from treatment plant	[1]2.63	—	—
75	(A-1-3)34dad	Inflow	1.36	—	—
76	(A-1-3)34daa	Inflow from Porcupine Creek	1.72	—	—
77	(A-1-3)34daa		84.1	—	—
		East Canyon Creek, July 28, 1995			
68	(D-1-4)18cbc		33.9	—	—
69	(D-1-3)13aba	Inflow from Threemile Canyon	3.83	—	—
70	(D-1-3)12cba	Inflow from Twomile Canyon	.31	—	—
71	(D-1-3)12bba	Inflow from Toll Canyon	1.46	—	—
72	(D-1-3)1cdc		34.8	—	—
	(D-1-3)1cd	Inflow from treatment plant	[1]2.32	—	—
74	(D-1-3)2bbd		17.9	—	—
75	(A-1-3)34dad	Inflow	[2].10	—	—
76	(A-1-3)34daa	Inflow from Porcupine Creek	[2].10	—	—
78	(A-1-3)27dbc		41.2	—	—

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Synderville Basin, Park City, and adjacent areas, Utah, during seepage studies—Continued

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		East Canyon Creek, September 28, 1995			
68	(D-1-4)18cbc		10.2	—	—
69	(D-1-3)13aba	Inflow	1.20	—	—
70	(D-1-3)12cba	Inflow from Twomile Canyon	.04	—	—
71	(D-1-3)12bba	Inflow from Toll Canyon	.58	—	—
72	(D-1-3)1cdc		11.6	—	—
		East Canyon Creek, October 6, 1995			
73	(D-1-3)1cbd		17.7	—	—
74	(D-1-3)2bbd		18.2	—	—
		East Canyon Creek, October 11, 1995			
74	(D-1-3)2bbd		18.8	—	—
77	(A-1-3)34daa		17.5	—	—
78	(A-1-3)27dbc		18.7	—	—
		Old Ranch Road area, October 11, 1994			
49	(D-1-4)31dac	Inflow from McLeod Creek	3.05	7.0	740
50	(D-1-4)31dac	Inflow from McLeod Creek	1.32	7.0	750
52	(D-1-4)32cab	Inflow from McLeod Creek	.07	7.5	790
79	(D-1-4)31aac	Outflow to Silver Springs area	.19	9.5	—
80	(D-1-4)32bbc		.24	8.0	800
81	(D-1-4)32bba		.65	—	—
83	(D-1-4)32bdb	Inflow from spring	.26	9.5	240
84	(D-1-4)29dcc		1.45	9.5	750
55	(D-1-4)33bba	Outflow to McLeod Creek	.10	9.0	600
56	(D-1-4)28ccc	Outflow to McLeod Creek	1.20	10.0	730
58	(D-1-4)29daa	Outflow to McLeod Creek	.19	15.0	865
60	(D-1-4)29aab	Outflow to McLeod Creek	1.28	10.5	810
61	(D-1-4)20ddc	Inflow from McLeod Creek	3.72	10.5	740
63	(D-1-4)20dac	Outflow to McLeod Creek	5.48	13.0	750
85	(D-1-4)20dbd		.09	13.5	850
86	(D-1-4)20bdd		.01	16.0	720
		Old Ranch Road area, October 24, 1994			
49	(D-1-4)31dac	Inflow from McLeod Creek	4.59	5.0	810
50	(D-1-4)31dac	Inflow from McLeod Creek	1.67	4.5	790
79	(D-1-4)31aac	Outflow to Silver Springs area	.17	5.0	800
80	(D-1-4)32bbc		.24	4.5	790
81	(D-1-4)32bba		.69	5.0	780
83	(D-1-4)32bdb	Inflow from spring	[2].26	—	—
82	(D-1-4)29ccc		3.76	6.0	800
84	(D-1-4)29dcc		1.78	7.0	800

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Synderville Basin, Park City, and adjacent areas, Utah, during seepage studies—Continued

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		Old Ranch Road area, October 24, 1994—Continued			
55	(D-1-4)33bba	Outflow to McLeod Creek	0.06	7.0	770
56	(D-1-4)28ccc	Outflow to McLeod Creek	2.33	8.0	790
58	(D-1-4)29daa	Outflow to McLeod Creek	.29	12.0	770
60	(D-1-4)29aab	Outflow to McLeod Creek	1.76	7.0	800
61	(D-1-4)20ddc	Inflow from McLeod Creek	6.12	7.0	780
63	(D-1-4)20dac	Outflow to McLeod Creek	6.88	8.5	770
85	(D-1-4)20dbd		[2].10	—	—
86	(D-1-4)20bdd		.02	—	—
		Silver Springs area, October 11, 1994			
79	(D-1-4)31aac	Inflow from Old Ranch Road area	.19	9.5	—
87	(D-1-4)31bab	Inflow from spring	.53	8.5	330
88	(D-1-4)30bca	Inflow from spring	.10	7.5	360
92	(D-1-4)19cdb		.29	—	—
93	(D-1-4)19dcb		.82	13.0	580
94	(D-1-4)19abd		.19	12.5	470
67	(D-1-4)18ddc	Outflow to East Canyon Creek	1.37	13.5	540
		Silver Springs area, October 24, 1994			
79	(D-1-4)31aac	Inflow from Old Ranch Road area	.17	5.0	1,020
87	(D-1-4)31bab	Inflow from spring	.21	7.5	320
88	(D-1-4)30bca	Inflow from spring	.18	7.5	345
89	(D-1-4)30bac		.19	7.0	460
90	(D-1-4)30bad		.38	11.0	390
91	(D-1-4)30abd		.2	—	—
67	(D-1-4)18ddc	Outflow to East Canyon Creek	1.14	10.5	630
		Unnamed creek near Silver Creek Junction, June 6, 1995			
95	(D-1-4)4bac		2.42	—	—
96	(D-1-4)4cdc	Inflow	.81	—	—
97	(D-1-4)4cdc		3.32	—	—
99	(D-1-4)9cbc	Inflow	[2].30	—	—
100	(D-1-4)9ccb	Inflow	.57	—	—
101	(D-1-4)20aab		5.04	—	—
		Unnamed creek near Silver Creek Junction, June 9, 1995			
95	(D-1-4)4bac		2.54	—	—
96	(D-1-4)4cdc	Inflow	.91	—	—
97	(D-1-4)4cdc		3.76	—	—
98	(D-1-4)9cbc		2.26	—	—
99	(D-1-4)9cbc	Inflow	[2].45	—	—
100	(D-1-4)9ccb	Inflow	.93	—	—
101	(D-1-4)20aab		4.51	—	—

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Synderville Basin, Park City, and adjacent areas, Utah, during seepage studies—Continued

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		White Pine Canyon, July 14, 1994			
104	(D-2-3)1acd		2.45	—	—
105	(D-2-3)1aad		1.92	12.0	285
		White Pine Canyon, October 31, 1994			
102	(D-2-3)12aba		.17	—	—
103	(D-2-3)1dba		.42	—	—
		Red Pine Canyon, June 7, 1995			
108	(D-2-3)1aab		18.4	—	—
109	(D-2-3)1aab	Inflow	7.27	—	—
110	(D-1-4)31cad	Outflow	1.77	—	—
111	(D-1-4)31dbc		20.4	—	—
		Red Pine Canyon, June 30, 1995			
106	(D-2-3)2bab		3.11	—	—
107	(D-2-3)2cab		10.7	—	—
109	(D-2-3)1aab	Inflow	7.96	—	—
110	(D-1-4)31cad	Outflow	1.43	—	—
112	(D-1-4)31dba		16.7	—	—
		Willow Draw, March 8, 1995			
117	(D-1-3)36daa		.45	—	—
118	(D-1-4)31bdc	Outflow	.09	—	—
119	(D-1-4)31bdc		.50	—	—
120	(D-1-4)31bad		.21	—	—
		Willow Draw, May 21, 1995			
115	(D-1-3)36cad		11.9	—	—
116	(D-1-3)36dad		14.5	—	—
118	(D-1-4)31bdc	Outflow	1.86	—	—
119	(D-1-4)31bdc		14.0	—	—
120	(D-1-4)31bad		13.8	—	—
120a	(D-1-4)31bad	Outflow	2.78	—	—
		Twomile Canyon, July 26, 1995			
121	(D-1-3)14bdc		.17	—	—
122	(D-1-3)11dac		.40	—	—
70	(D-1-3)12cba		.43	—	—

Table 7. Measurements of discharge, temperature, and specific conductance of water from selected streams, springs, drains, and canals in Synderville Basin, Park City, and adjacent areas, Utah, during seepage studies—Continued

Number of measurement site	Location of measurement site	Description of site	Discharge (ft^3/s)	Temperature (°C)	Specific conductance (µS/cm)
		Toll Canyon, September 26, 1994			
123	(D-1-3)22dcb		0.02	7.5	310
124	(D-1-3)22bda		.06	8.0	850
125	(D-1-3)15bdd		.11	12.0	435
127	(D-1-3)10caa		.04	10.0	690
128	(D-1-3)10acd		.01	—	—
71	(D-1-3)12bba		.05	11.5	1,870
		Toll Canyon, July 26, 1995			
125	(D-1-3)15bdd		.50	—	—
126	(D-1-3)15baa		.90	—	—
127	(D-1-3)10caa		1.07	—	—
		Toll Canyon, October 6, 1995			
125	(D-1-3)15bdd		.21	—	—
126	(D-1-3)15baa		.30	—	—
127	(D-1-3)10caa		.33	—	—
71	(D-1-3)12bba		1.06	—	—

[1]Estimated from records provided by Snyderville Basin Sewer Improvement District.
[2]Estimated.
[3]Includes inflow from unnamed ditch.

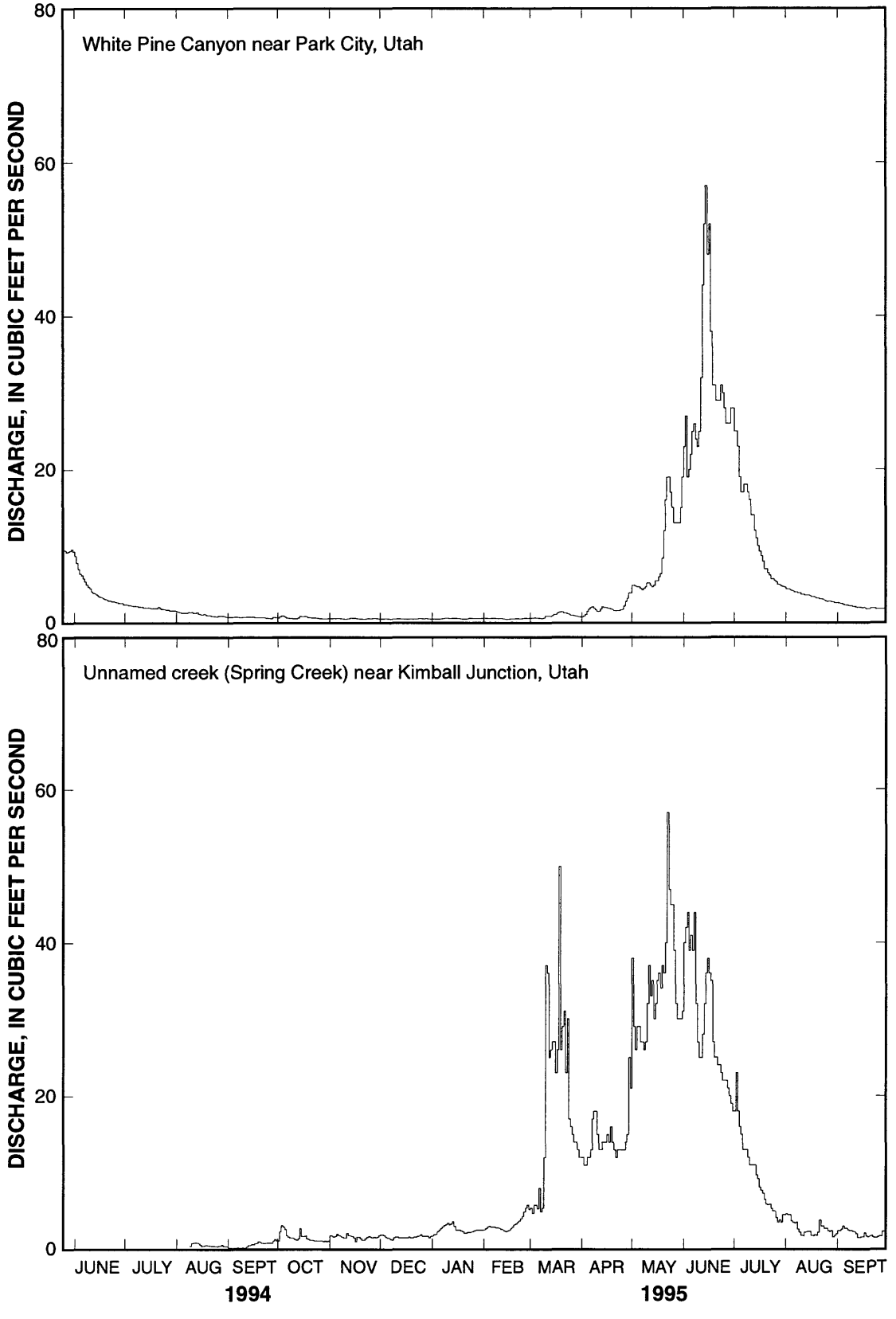

Figure 6. Daily mean discharge of selected streams, Snyderville Basin, Utah.

Table 8. Daily mean discharge of unnamed creek (Spring Creek) near Kimball Junction, Utah, August 1994 to September 1995

[Gaging station is located at (D-1-4)18ddc (fig. 1) and is site number 67 in figure 5. At this location, the drainage area is 5.43 square miles. Values in cubic feet per second; e, estimated; —, no data available]

Day	1994					1995								
	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	—	0.37	1.1	1.1	1.8 e	1.7 e	2.5 e	5.2 e	12	21	31	18	4.5	2.0
2	—	.23	1.1	1.8	1.9 e	1.8 e	2.6 e	5.4 e	12	38	40	18	4.6	2.4
3	—	.23	2.3	1.7	1.9 e	1.9 e	2.7 e	4.7	11	29	42	23	4.5	2.4
4	—	.17	3.1	1.6	1.8 e	2.0 e	2.9 e	5.8	11	26	44	18	4.5	2.6
5	—	.16	2.9	1.7	1.6 e	2.3 e	3.0 e	5.8	12	29	39	16	3.7	3.0
6	—	.17	2.6	2.0	1.5 e	2.5 e	2.9 e	5.3	12	29	41	15	3.5	2.7
7	—	.19	1.8	1.8	1.4 e	2.7 e	2.9 e	8.0	13	27	39	13	3.4	2.7
8	—	.18	1.6	1.7	1.3 e	2.9 e	2.9 e	4.9	17	27	44	13	3.5	2.5
9	—	.18	1.5	1.6	1.2 e	3.1 e	2.8 e	5.4	18	26	32	13	2.6	2.4
10	.45 e	.19	1.5	1.5	1.5 e	3.2 e	2.8 e	12	18	27	27	12	2.2	2.4
11	.81	.18	1.4	1.5	1.6 e	3.4 e	2.7 e	37	15	32	25	11	1.8	2.3
12	.86	.21	1.3	2.1	1.6 e	3.2 e	2.6 e	36	13	37	25	11	1.7	2.2
13	.86	.34	1.2	1.8	1.5 e	3.3 e	2.5 e	25	13	33	28	11	2.2	2.0
14	.84	.51	1.4	1.7	1.5 e	3.6 e	2.4 e	26	14	35	32	11	2.3	1.5
15	.74	.56	2.7	1.7	1.5 e	3.0 e	2.3 e	27	14	30	36	9.7	2.3	1.5
16	.60	.64	1.7	1.5	1.5 e	2.5 e	2.4 e	27	14	32	38	9.2	2.3	1.6
17	.44	.65	1.7	.99	1.5 e	2.5 e	2.5 e	23	15	35	36	8.1	1.8	1.6
18	.50	.75	1.8	1.6 e	1.5 e	2.5 e	2.7 e	26 e	14	36	35	7.7	1.7	2.1
19	.56	.82	1.4	1.6 e	1.6 e	2.4 e	2.9 e	50 e	16	34	27	7.3	1.9	1.7
20	.51	.99	1.3	1.4 e	1.5 e	2.3 e	3.2 e	26 e	14	37	25	6.5	1.8	1.6
21	.49	.90	1.2	1.2 e	1.5 e	2.1 e	3.3 e	29 e	13	36	25	5.9	2.2	1.7
22	.42	.79	1.2	1.2 e	1.6 e	2.1 e	3.5 e	31 e	12	40	24	5.8	3.8	1.8
23	.43	.78	1.1	1.4 e	1.6 e	2.2 e	3.7 e	23 e	13	57	24	5.9	3.0	1.6
24	.42	.82	1.1	1.6 e	1.7 e	2.2 e	4.0 e	30 e	13	47	23	5.3	3.0	1.5
25	.39	.82	1.1	1.7 e	1.8 e	2.3 e	4.3 e	17	13	45	22	5.0	2.7	1.5
26	.37	.85	1.1	1.6 e	1.9 e	2.3 e	4.9 e	16	13	45	22	4.9	2.7	1.6
27	.45	.84	1.1	1.5 e	1.7 e	2.4 e	5.4 e	15	13	39	22	4.1	2.4	1.7
28	.46	.84	1.1	1.6 e	1.7 e	2.5 e	5.8 e	14	14	32	21	3.5	2.3	1.7
29	.59	1.1	1.0	1.5 e	1.7 e	2.5 e	—	14	15	30	20	3.8	2.4	2.3
30	.43	1.3	1.1	1.6 e	1.7 e	2.5 e	—	13	25	30	19	3.5	1.6	2.3
31	.41	—	1.0	—	1.5 e	2.5 e	—	12	—	30	—	4.5	1.8	—
Monthly mean, in cubic feet per second	—	.56	1.53	1.58	1.60	2.53	3.18	18.7	14.1	33.9	30.3	9.80	2.73	2.03
Monthly total, in acre-feet	—	33	94	94	98	156	177	1,150	837	2,080	1,800	602	168	121

Table 9. Daily mean discharge of White Pine Canyon near Park City, Utah, May 1994 to September 1995

[Gaging station is located at (D-2-3)1aad (fig. 1) and is site number 105 in figure 5. At this location, the drainage area is 4.65 square miles. Values in cubic feet per second; e, estimated; —, no data available]

	1994								1995								
Day	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
1	—	9.3	2.4	1.6	0.77	0.68	0.56	0.52 e	0.49 e	0.63 e	0.60 e	0.76	3.9	19	28	4.6	2.6
2	—	8.7	2.4	1.5	.77	.63	.58	.53 e	.49 e	.62 e	.62 e	.79	4.9	23	25	4.4	2.6
3	—	7.8	2.4	1.4	.75	.79	.55	.54 e	.48 e	.60 e	.64 e	.90	4.9	27	25	4.4	2.5
4	—	7.0	2.3	1.4	.77	.94	.59	.56 e	.49 e	.59 e	.66 e	1.1	4.8	19	23	4.3	2.5
5	—	6.4	2.3	1.3	.76	.91	.56	.56 e	.50 e	.57 e	.64 e	1.5	4.7	20	19	4.2	2.4
6	—	6.2	2.2	1.3	.77	.80	.59	.54 e	.52 e	.60 e	.62 e	1.8	4.7	22	17	4.1	2.3
7	—	5.8	2.2	1.3	.77	.66	.63	.52 e	.54 e	.63 e	.60 e	2.0	4.5	25	17	4.0	2.3
8	—	5.4	2.2	1.3	.74	.61	.57	.51 e	.58 e	.60 e	.58 e	2.1	4.3	26	18	4.0	2.2
9	—	5.0	2.2	1.4	.72	.60	.54	.50 e	.62 e	.58 e	.60 e	1.9	4.5	24	18	3.9	2.2
10	—	4.7	2.1	1.4	.73	.59	.51	.50 e	.64 e	.58 e	.67 e	1.7	4.7	23	17	3.9	2.2
11	—	4.5	2.1	1.4	.74	.56	.49	.53 e	.60 e	.57 e	.92 e	1.5	5.2	25	16	3.7	2.1
12	—	4.1	2.1	1.3	.77	.55	.57	.54 e	.58 e	.57 e	.90 e	1.5	5.2	32	14	3.7	2.1
13	—	3.9	2.0	1.3	.77	.55	.54	.53 e	.60 e	.56 e	.88 e	1.8	4.9	44	14	3.6	2.0
14	—	3.8	2.0	1.4	.78	.67	.62 e	.52 e	.62 e	.50 e	.82 e	2.1	4.7	52	12	3.6	2.0
15	—	3.7	2.0	1.2	.77	.92	.63 e	.50 e	.60 e	.47 e	.93 e	2.0	4.9	57	11	3.6	2.0
16	—	3.5	2.0	1.1	.76	.83	.64 e	.52 e	.59 e	.49 e	1.1 e	2.0	5.5	48	10	3.5	1.9
17	—	3.4	1.9	1.1	.75	.87	.58 e	.52 e	.58 e	.51 e	1.1	1.9	5.5	52	9.3	3.4	2.0
18	—	3.3	1.9	1.2	.71	.86	.55 e	.50 e	.56 e	.54 e	1.3	1.9	6.0	38	8.7	3.4	1.9
19	—	3.2	1.9	1.1	.69	.77	.54 e	.51 e	.51 e	.54 e	1.4 e	1.8	6.4	31	8.0	3.3	1.8
20	—	3.1	1.9	1.0	.710	.72	.54 e	.52 e	.51 e	.56 e	1.5	1.7	8.4	31	7.0	3.2	1.8
21	—	3.0	1.9	.99	.72	.69	.52 e	.48 e	.50 e	.55 e	1.4 e	1.6	12	29	7.0	3.2	1.8
22	—	2.9	2.1	.97	.71	.67	.50 e	.49 e	.50 e	.55 e	1.3 e	1.6	16	29	6.5	3.1	1.9
23	—	2.9	1.9	.89	.68	.66	.56 e	.52 e	.55 e	.54 e	1.3	1.6	19	29	6.2	3.1	1.9
24	—	2.8	1.8	.86	.64	.66	.57 e	.56 e	.60 e	.55 e	1.2 e	1.6	19	31	5.7	3.0	1.9
25	—	2.8	1.8	.83	.62	.63	.58 e	.56 e	.60 e	.56 e	1.1	1.7	17	30	5.7	2.9	1.8
26	9.5 e	2.7	1.7	.83	.61	.59	.58 e	.55 e	.58 e	.61 e	1.0	1.8	15	28	5.5	2.8	1.8
27	9.4	2.7	1.7	.94	.58	.57	.61 e	.53 e	.57 e	.60 e	.99	2.2	13	26	5.3	2.8	1.8
28	9.2	2.6	1.7	.93	.56	.53	.61 e	.55 e	.55 e	.61 e	.92	2.8	13	26	5.0	2.8	1.8
29	9.3	2.6	1.6	.96	.73	.54	.61 e	.55 e	.55 e	—	.88 e	3.2	13	26	4.9	2.7	1.8
30	9.4	2.6	1.6	.88	.72	.54	.56 e	.54 e	.57 e	—	.81	3.9	13	28	4.8	2.7	1.8
31	9.6	—	1.6	.80	—	.57	—	.52 e	.60 e	—	.77	—	15	—	4.7	2.6	—
Monthly mean, in cubic feet per second	—	4.35	2.00	1.16	.72	.68	.57	.53	.56	.57	.93	1.82	8.63	30.7	12.2	3.50	2.06
Monthly total, in acre-feet	—	259	123	71	43	42	34	32	34	31	57	109	531	1,820	750	215	122