

SELECTED HYDROLOGIC DATA FOR SOUTHERN UTAH AND GOSHEN VALLEYS, UTAH, 1890–1992

By Bernard J. Stolp, Marilyn Drumiler, and Lynette E. Brooks
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CONVERSION FACTORS, VERTICAL DATUM, AND ABBREVIATED WATER-QUALITY UNITS

Multiply	By	To obtain
acre	0.4047	hectare
	4,047	square meter
foot	0.3048	meter
cubic foot per second	0.02832	cubic meter per second
gallon per minute	0.06308	liter per second
inch	25.4	millimeter
	0.0254	meter
mile	1.609	kilometer
square mile	2.59	square kilometer

Water temperature is given in degrees Celsius ($^{\circ}\text{C}$), which can be converted to degrees Fahrenheit ($^{\circ}\text{F}$) by the following equation:

$$^{\circ}\text{F} = 1.8 (^{\circ}\text{C}) + 32.$$

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.

Specific conductance and water temperature are given in metric units. Specific conductance is given in microsiemens per centimeter ($\mu\text{S}/\text{cm}$) at 25 degrees Celsius. Chemical concentration is given in milligrams per liter (mg/L) or micrograms per liter ($\mu\text{g}/\text{L}$). Milligrams per liter is a unit expressing the solute per unit volume (liter) of water. For concentrations less than 7000 milligrams per liter, the numerical value is about the same as concentration in parts per million. One thousand micrograms per liter is equivalent to 1 milligram per liter.

SELECTED HYDROLOGIC DATA FOR SOUTHERN UTAH AND GOSHEN VALLEYS, UTAH, 1890–1992

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INTRODUCTION

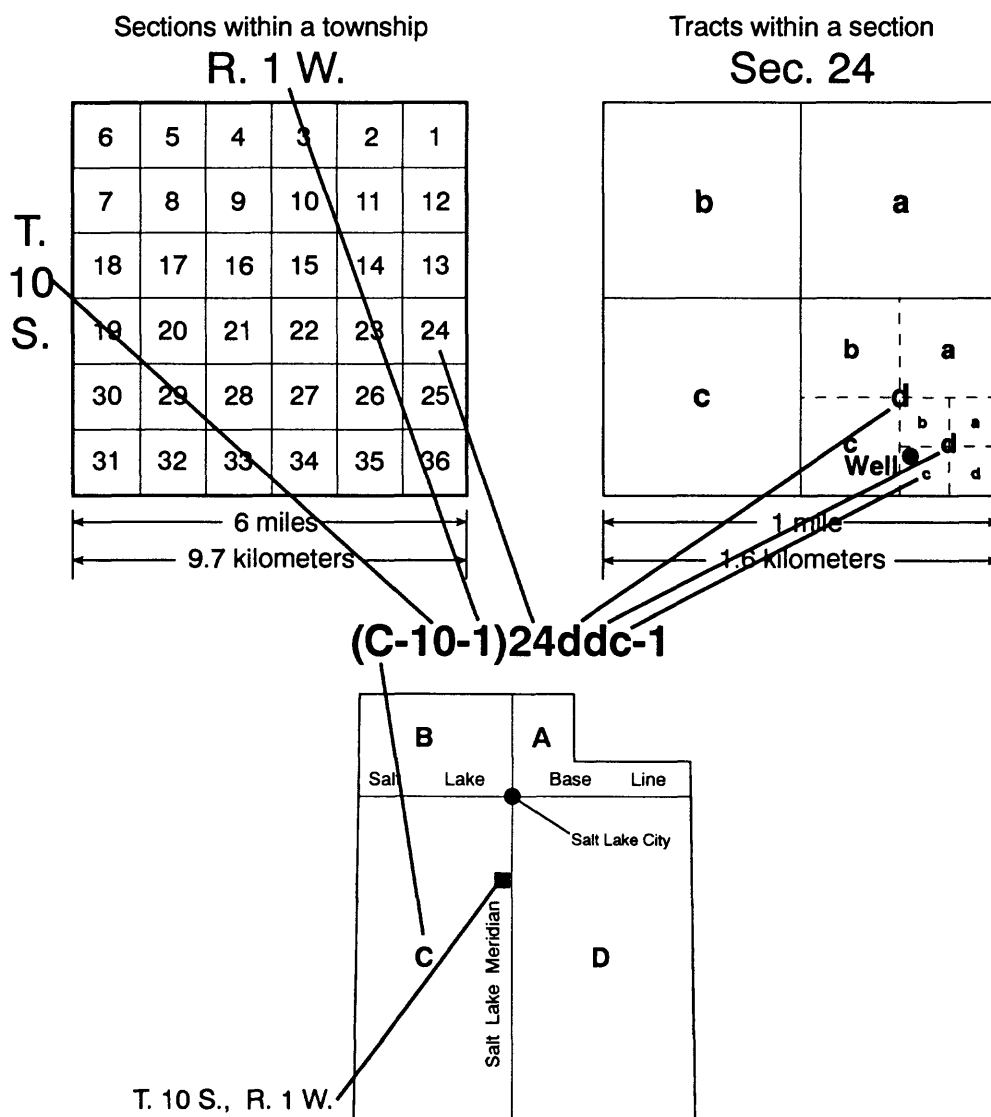
This report contains hydrologic data collected in southern Utah and Goshen Valleys from 1890 to 1992. Southern Utah and Goshen Valleys are south of Salt Lake City in Utah County, north-central Utah. The area is bounded on the east and south by the Wasatch Range, on the south by Long Ridge, on the west by the East Tintic Mountains and the Mosida Hills, and on the north by a line through about the middle of T. 7 S. Southern Utah Valley and Goshen Valley are divided by the northern tip of Long Ridge, West Mountain, and Utah Lake (Cordova, 1970). The area is in the Basin and Range physiographic province described by Fenneman (1931), and includes about 390 square miles.

Most of the data in this report were collected by the U.S. Geological Survey in cooperation with the Utah Department of Natural Resources, Division of Water Rights. Some of the earlier data were published previously by Cordova (1969 and 1970).

The purpose of this report is to provide hydrologic data for use by the general public and by officials managing the area's water resources, and to document data collected during a 4-year study of the ground-water resources in southern Utah and Goshen Valleys. Tables 1 to 8 contain selected ground- and surface-water data. Select data, including well depth and water level, is given for over 400 wells, and chemical analyses are given of samples from about 90 wells. The numbering system used in Utah for hydrologic-data sites is illustrated in figure 1. Hydrologic-data sites are shown on plate 1.

These data could not have been collected without the cooperation of local residents and officials of irrigation companies and municipalities, who permitted access to their wells and property.

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 northeastern, northwestern, southwestern, and southeastern 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 acres¹. The lowercase letters, a, b, c, and d indicate, respectively, the northeastern, northwestern, southwestern, and southeastern 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. Thus, (C-10-1)24ddc-1 designates the first well constructed or visited in the southwest 1/4, southeast 1/4, southeast 1/4, section 24, T. 10 S., R. 1 W. A location number with no serial number designates a surface-water data-collection site.



¹ Although the basic land unit, the section, is theoretically 1 square mile, many sections are irregular. Such sections are subdivided into 10-acre tracts, generally beginning at the southeastern corner, and the shortage is taken up along the northern and western sides of the section.

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

REFERENCES CITED

- Cordova, R.M., 1969, Selected hydrologic data, southern Utah and Goshen Valleys, Utah: U.S. Geological Survey open-file report (duplicated as Utah Basic Data Release No. 16), 35 p.
- 1970, Ground-water conditions in southern Utah Valley and Goshen Valley, Utah: Utah Department of Natural Resources Technical Publication No. 28, 79 p.
- Fenneman, N.M., 1931, Physiography of the western United States: New York, McGraw-Hill, 534 p.

Table 1.—Records of

[—, no

Well number: See figure 1 for explanation of the numbering system for hydrologic-data sites.

Owner: Last known or reported owner.

Use of water: C, commercial; H, domestic or household; I, irrigation; K, mining; N, industrial; O,

Casing: Diameter: Diameter of the production string of casing; Reported from the driller's log or measured reported, only top of perforated interval is known; R, wire wound; S, screened; X, open hole.

Elevation of land surface is given in feet above sea level. Elevations are reported to the nearest 0.01 foot

Water level is given in feet and decimal fractions. Measured except where noted R, reported.

Other data available: L, driller's log (table 2); W, water-level measurements (table 3); D, discharge

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(C-7-1)26cdd-1	Smith, Doyle	1979	S	116
(C-8-1)20cdb-2	Bateman	1967	S	345
(C-8-1)20cdb-3	Harold Howlett & Sons	1972	I	400
(C-8-1)20cdb-4	Unknown	—	I	225
(C-8-1)29dda-1	Bateman	1973	I	625
(C-8-1)34bcc-1	LDS Church	1970	H	412
(C-8-1)35dcb-1	Dixson, S.	1945	S	212
(C-8-2)25dac-1	Steadman, Bill	1972	S	600
(C-9-1)3ddb-1	LDS Church	1964	I	575
(C-9-1)4ccc-1	LDS Church	1970	I	756
(C-9-1)4ddc-1	LDS Church (No. 9)	—	I	690
(C-9-1)5ddc-1	Steadman, Bill	1970	I	776
(C-9-1)17abb-1	South Utah Valley Solid Waste District	1989	O	70
(C-9-1)17abb-2	South Utah Valley Solid Waste District	1989	O	210
(C-9-1)17ada-1	South Utah Valley Solid Waste District	1989	O	166
(C-9-1)17bba-1	South Utah Valley Solid Waste District	1989	O	269
(C-9-1)17bbc-1	South Utah Valley Solid Waste District	1989	O	301
(C-9-1)17bbd-1	South Utah Valley Solid Waste District	1989	O	70
(C-9-1)17bbd-2	South Utah Valley Solid Waste District	1989	O	300
(C-9-1)17cdd-1	South Utah Valley Solid Waste District	1989	O	195
(C-9-1)18add-1	South Utah Valley Solid Waste District	1986	P	502
¹ (C-9-1)20cdd-1	LDS Church	1964	I	532
(C-9-1)20ddd-1	LDS Church (No.7)	1963	I	788
(C-9-1)26bda-3	Burraston, B.	1915	S	56

selected wells

data available]

observation; P, public supply; Q, aquaculture; S, stock; U, unused; Z, other.

in the field. Finish: O, open end; P, perforated, where single depth is

Upper or lower limits of perforations or screen are given in feet below land surface.
when the well has been surveyed.

(table 4); C, chemical analysis (table 5).

Casing			Elevation of land surface (feet)	Water level		Date	Other data available
Diameter (inches)	Finish (feet)			Above (-) or below land surface			
8	O		4,495	22	R	03-05-79	
16	X	227-345	4,620	120.2	R	04-04-67	C
—	O		4,620	128	R	10-10-72	C
—	—		4,620	—		—	C
12	P	100-235	4,595	89.34		03-02-87	C
	P	307-595					
6	P	402	4,535	43.94		03-04-91	
4	O		4,489	-3.0	R	06-15-64	C
8	P	300-390	4,770	276	R	05-24-72	
18	P	190-205	4,510.36	17.08		03-04-91	L,W,C
	P	225-338					
	P	365-565					
16	P	240-405	4,620	128.76		03-14-91	W,C
	P	565-750					
18	P	200-683	4,570	81.01		03-04-91	L,W,C
16	P	280-390	4,640	163	R	03-30-70	C
	P	545-740					
4.5	S	49-70	4,670	69.18		03-07-91	
4.5	S	189-210	4,665	175.19		03-07-91	
4.5	S	145-166	4,635	136		03-07-91	
4.5	S	228-269	4,730	232.72		03-07-91	
4.5	S	260-301	4,745	241.19		03-07-91	
4.5	R	49-70	4,740	69.35		03-07-91	
4.5	R	280-300	4,740	243		03-07-91	
4.5	R	175-195	4,670	171.7		03-07-91	L
12	P	350-445	4,775	264	R	09-09-86	
	P	450-500					
20	P	275-521	4,701.40	200.34		03-04-91	L,W,C
18	P	300-490	4,640	137.98		03-05-91	L,W,C
	P	490-775					
1.5	O		4,496	-7.0		05-09-90	W,C

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(C-9-1)26dcd-1	Woodard, J.E.	1956	S	37
(C-9-1)28ccb-1	LDS Church	1962	I	802
(C-9-1)29acc-1	LDS Church	1963	I	700
(C-9-1)29bcc-1	LDS Church	1963	H	800
(C-9-1)29cdc-1	Town of Elberta	1977	P	400
(C-9-1)29cdc-2	Town of Elberta	1989	P	387
(C-9-1)34ccc-1	LDS Church	1951	I	650
² (C-9-1)34acd-1	Miller, H.	1961	S	265
(C-9-1)34ddc-1	Miller, A.	1964	H	256
(C-10-1)2bcd-1	Green, Duane	1981	S	100
(C-10-1)3ddb-1	White, G.T.	—	H	495
(C-10-1)4bbb-1	LDS Church (No. 2)	1962	I	882
(C-10-1)4cbb-1	LDS Church	1962	I	870
(C-10-1)9ccc-1	Wright, Bill	1961	I	474
(C-10-1)10ddc-3	Green, Duane	1979	H	162
(C-10-1)11ccd-1	Burraston, Carma	1980	—	160
³ (C-10-1)15cca-1	Morgan, H.	1951	U	168
(C-10-1)17aaa-1	Town Of Elberta	1955	U	376
(C-10-1)17bba-1	Sunshine Mining Company	—	U	860
(C-10-1)17bba-2	Sunshine Mining Company	1986	U	320
(C-10-1)18ccc-1	Levering, Dean and Betty	—	U	450
(C-10-1)24ddc-1	Lunceford, Scott	1965	U	533
⁴ (C-10-1)25abd-1	Lunceford, Scott	1951	I	645

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
2	O	4,505	-1.33	03-07-91	
20	—	4,643	127.65	03-04-91	L,W,C
18	P 280-380	4,719	214.28	03-04-91	L,W,C
	P 380-405				
	P 426-700				
18	P 300-350	4,792	300.10	04-02-90	L,W,C
	P 350-675				
	P 700-775				
8	P 315-385	4,760	288	05-23-88	
10	P 270-340	4,760	256.55	06-29-89	
8	P 70-580	4,551	17.85	12-13-74	C
	P 587-650				
1.25	O	4,508	-6.90	03-07-91	C
2	O	4,517	-5.50	03-07-91	L,C
6	O	4,515	9.18	03-07-91	
6	—	4,555	18.86	04-24-67	C
18	P 525-880	4,672	147.04	03-05-91	L,W,C
12	S 406-550	4,664	135.86	03-04-91	L,W,C
	S 640-680				
	S 700-740				
	S 750-850				
16	P 255-346	4,681	131.68	03-08-77	C
	P 360-420				
	P 427-474				
6	O	4,555	6 R	03-07-91	C
6	P 150-157	4,550	4.37	03-05-91	
12.5	—	4,600	28.29	03-07-91	W,C
6	O	4,711	170.37	12-30-71	C
4	S 750-860	4,810	266.71	03-04-91	W
6	P 300-320	4,810.4	266.56	03-04-91	W
8	O	4,918	353.46	03-05-91	W
20	P 366-391	4,750	212.54	03-05-91	W
	P 422-428				
	P 462-482				
12	P 372-450	4,778	245.15	03-05-91	W,C
	P 461-492				
	P 507-550				
	P 568-575				
	P 585-600				

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(C-10-1)28ada-2	LDS Church	1979	H	775
(C-10-1)29cdd-1	LDS Church	1961	I	842
(C-10-1)29dcd-1	LDS Church	1954	H	460
(C-10-1)29ddd-1	LDS Church	1962	I	700
(C-10-1)30baa-1	Unknown	—	S	—
(C-10-1)31cdd-1	LDS Church	1963	I	603
(C-10-1)32ccc-1	LDS Church	1961	I	507
(C-10-1)33cbb-1	LDS Church	1961	U	567
(C-10-1)34bbb-1	Critchfield, Ross	1949	H	342
(C-10-2)13bcc-1	Bronson, Jonathan	—	—	300
(C-11-1)6abc-1	LDS Church	1963	I	679
(C-11-1)6bdd-1	LDS Church	1964	I	762
(C-11-1)6cab-1	LDS Church	1981	I	825
(D-7-2)32dad-1	Batty, Roy	1978	H	550
⁵ (D-7-2)33dcc-1	Banks, A.	—	S	400
(D-7-2)34dcd-1	Christofferson, B.	1959	S	194
(D-7-2)35ccd-1	Hales, G.	1900	I	300

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
8	P 746-760	4,670	135 R	04-06-79	
16	P 185-189	4,680	151.3	03-29-66	C
	P 205-275				
	P 280-574				
	P 595-685				
	P 696-762				
	P 770-815				
6	O	4,670	129.06	03-07-91	
16	P 162-195	4,660	100.50	03-04-80	C
	P 228-246				
	P 408-411				
	P 420-428				
	P 532-695				
—	—	4,778	228.67	06-05-90	W
20	P 290-603	4,760	210.69	03-14-91	L,C
16	P 210-220	4,743	204.1	03-29-66	C
	P 263-324				
	P 352-356				
	P 367-398				
	P 420-505				
16	P 155-567	4,680	115.54	03-07-91	
—	O	4,660	89.39	03-07-91	W
6	P 180-220	5,140	172.24	03-05-91	W
18	P 315-322	4,770	229.99	12-11-75	L,C
	P 330-335				
	P 390-488				
	P 495-532				
	P 545-675				
18	P 425-500	4,780.9	234.39	04-06-90	L,W,C
	P 533-541				
	P 556-577				
	P 584-659				
	P 672-745				
20	P 474-807	4,795	262 R	09-18-81	
8	P 350-353	4,493	-22.7	03-04-91	L,W,D
	P 450-453				
2.5	P 370-400	4,495	—	—	D
2	O	4,505	-6.60	03-05-91	W,C
2	O	4,507.1	-7.4	03-23-61	D

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-7-2)35ccd-2	Hales, A.	1961	H	420
(D-7-2)36bbb-1	Money, W.	1943	S	147
(D-7-2)36ccb-1	Money, W.	1961	I	504
(D-7-2)36dad-1	Huntingdon, B.	—	S	100
(D-7-2)36dcc-2	Crandall, Condie	—	U	186
(D-7-3)18dcc-1	LDS Church	1962	H	322
(D-7-3)19aac-1	John Kuhni and Sons Animal By-Product Plant	1938	N	268
(D-7-3)20adb-1	Brigham Young University	1970	U	353
(D-7-3)20bcd-1	Pacific States Cast Iron Pipe	1926	N	308
(D-7-3)20bcd-3	Pacific States Cast Iron Pipe	1927	N	635
(D-7-3)28bdb-1	Utah Division of Wildlife Resources	1963	U	338
(D-7-3)28cab-1	Park Ro-She Corp. (H.J. Robbins, Pres.)	1961	U	285
(D-7-3)28dbb-1	Utah Division of Wildlife Resources	1988	U	37
(D-7-3)29bdb-1	Fibertek	1986	N	148
⁶ (D-7-3)29dcc-1	Sumsion, Howard C.	1953	I	136
(D-7-3)29ddd-1	Springville City	1986	U	413
(D-7-3)30aaa-1	Perry, Robert	1977	I	277
(D-7-3)30aac-3	Condie, A.	1953	S	125
(D-7-3)31cac-2	Childs, Neil	1964	S	135
(D-7-3)32bcc-1	Wood Springs Irrigation Company	1934	I	414
(D-7-3)32bcc-2	Metcalf, Harold	1972	H	164
(D-7-3)32bcd-1	Jensen, Clarence L.	1977	S	151
(D-7-3)33baa-6	Champerlain	1900	H	138
(D-7-3)33ccc-5	Vane, J.E.	—	U	140
(D-7-3)33ccc-6	Matson Springs Irrigation Company	1966	I	533
(D-7-3)34bcb-1	Springville City	1961	P	485
(D-7-3)34cdb-1	Springville City	1960	P	445
(D-8-1)2ccd-1	Hirst, Harold	—	H	55
(D-8-1)3dda-1	Unknown	1967	U	72
(D-8-1)10bcb-1	South Shore Fruit Farms	—	U	240
(D-8-1)10bcb-2	South Shore Fruit Farms	—	U	135
(D-8-1)11bac-1	Utah County	1981	P	300
(D-8-1)13aaa-1	Schaffer, S. B.	1906	H	358
(D-8-1)13bdd-1	Atwood, G.	1950	S	119
(D-8-1)13daa-3	Mecham, Darrell F.	1949	I	345
(D-8-1)14dad-1	C. B. Turkey, Inc.	1966	I	350
(D-8-1)20abb-1	Hi-Country Fruit Farms (Phil Belnap)	—	H	205

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
4	O	4,507	-17	05-12-64	D
3	O	4,490	—	—	D
3	P 496-504	4,500	-35 R	10-01-61	D
—	—	4,500	-5.9	03-04-91	
2	O	4,503.1	-11.40	03-04-91	W,D
4	P 115-121	4,495	-18.9	03-05-91	L,W
3	O	4,493	-26.1	04-28-47	
16	P 115-350	4,520	-1 R	03-11-70	
4	O	4,495	-25.0	10-15-64	
4	O	4,494	-42.5	10-15-64	
16	P 270-330	4,520	-22.4	09-11-87	C
2	P 280-285	4,527	-14.8	03-04-91	L,W
2	O	4,550	8.43	04-18-89	
8	O	4,502	—	—	
2	O	4,515	-25 R	03-11-53	D
16	S 349-413	4,525	-28 R	01-15-87	
6	O	4,495	-40.9	03-09-82	C
2	O	4,496	-15.4	03-04-91	
4	P 130-135	4,503	-14.3	09-13-89	W,D
—	—	4,511	-5.4	03-04-91	
6	P 152-159	4,511	-14.5	03-26-81	L
6	O	4,518	-13.2	03-04-91	W
2	O	4,560	-4.7	03-04-91	W,D,C
2	O	4,567	-5.2	03-04-91	W,D
16	P 230-533	4,565	-14.3	03-08-91	W
16	P 410-475	4,580	2.0	04-22-64	
16	P 158-230	4,650	45.9	07-01-65	L,C
	P 284-395				
	P 402-442				
8	O	4,495	6.87	03-05-91	W
—	—	4,520	32.32	02-15-91	C
6	O	4,520	17.01	03-05-91	W,C
—	—	4,520	43.34	03-05-91	W
8	P 200-251	4,495	-7.7	03-04-91	C
4	O	4,499	-11.3	03-04-91	W,D
2	O	4,496	-1.5	03-05-91	W
8	P 285-328	4,499	-13.9	06-25-65	D
6	O	4,492	—	—	D
6	O	4,505	15.68	03-05-91	W

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-8-1)23bdd-1	Binning, Lester and Agnes	—	S	120
(D-8-1)25aad-1	Hansen, J.	1953	S	104
(D-8-1)25aba-1	Ludlow, W.	1944	I	173
(D-8-1)25cbb-1	Kelsey, C.	1964	S	300
(D-8-1)26bdd-1	Vannosdol, George	1977	S	126
(D-8-1)35cac-1	Hanson, Charles K.	1975	H	440
(D-8-1)35cac-2	Hanson, Charles K.	1962	I	351
(D-8-1)36bcc-1	Ercanbrack, L.	1963	S	231
(D-8-2)1baa-1	Finch, J.	1963	S	182
⁷ (D-8-2)2aac-1	Banks, L.	1961	I	336
(D-8-2)2caa-1	Thomas, G.	1951	S	338
(D-8-2)2cda-1	Roach, T.	1900	H	140
(D-8-2)2daa-1	Williams, R.D.	1948	S	346
(D-8-2)3aad-1	Monk, B.	1963	I	417
(D-8-2)3ccd-1	Banks, L.	1961	S	420
(D-8-2)4abb-1	Banks, L.M.	1900	S	150
(D-8-2)4abb-2	Sorensen, James Jr.	1895	H	—
(D-8-2)4abc-1	Sorenson, W.	1950	S	230
⁸ (D-8-2)4bab-1	Banks, L.	1963	H	324
(D-8-2)4cba-2	Sharp, Jeff	1909	I	330
⁹ (D-8-2)4cbb-1	Lakeside Irrigation Company	1934	I	500
(D-8-2)4cdc-1	Olsen, Chet	1908	H	80
(D-8-2)4cdc-4	Olsen, Chet	1945	H	143
(D-8-2)4dad-1	Sorensen, W.	1963	I	607
(D-8-2)7cab-1	Brooks, H. L.	1947	I	263
(D-8-2)7cbd-1	Nelson, Justin R.	1962	H	355
(D-8-2)7dda-1	Hall, M.	1956	S	276
(D-8-2)7ddd-1	Hall, M.	1913	H	520
(D-8-2)9aad-1	Banks, A.	1964	H	385
(D-8-2)10adb-1	Ottesen, H.	1966	H	588
(D-8-2)10bdd-1	Sorenson, F.	1955	H	411
(D-8-2)12ddc-1	Diamond, Harold	—	S	172
(D-8-2)12ddc-2	Diamond, Harold	1961	S	372
(D-8-2)13abc-1	Johns, K.	1961	I	378
(D-8-2)13bdd-1	Pace, R.	1962	H	378
(D-8-2)14cad-1	Elson, G.	1953	S	376
(D-8-2)14dcc-1	Johns, W.	1939	H	377
(D-8-2)16caa-1	Lewis, R.C.	1895	H	570

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
2	O	4,500	-8.0	03-05-91	W,D
2	O	4,497	-9.9	03-05-91	D
2	X 163-173	4,498	-6.5	03-05-91	W
1.5	X 205-300	4,504	-11.8	03-04-91	W
6	O	4,620	77.86	03-06-91	
6	O	4,575	52.96	03-05-91	
8	P 100-345	4,578	60.7	06-29-65	C
4	—	4,518	-10.9	03-07-91	W
6	P 167-182	4,505	-10.3	08-08-89	W,D
2	O	4,511	-22.8 R	08-06-64	D
2	O	4,518	-11.6	09-21-89	W,D
2	O	4,524.4	-4.7	03-04-91	W,D
2.5	O	4,514.9	-25.7	04-02-90	W,D,C
2.5	P 412-417	4,512	-15.8	09-15-89	W,D
2.5	O	4,512	-8 R	11-01-61	D
1.25	O	4,494.1	-14.1	03-05-91	W,D
—	O	4,498.2	-6.0	09-12-89	D
2	O	4,496	-11.3	09-12-89	W,D
3	P 316-324	4,495	-4.4	09-12-89	W,D
2	O	4,501	-17.6	03-01-91	W,D,C
8	O	4,499	-6.1	09-15-89	W,D
2	O	4,500	-12.2	03-04-91	
2	O	4,500	-13.0	03-04-91	W
3	P 593-607	4,502	-13.4	09-28-89	W,D
2	O	4,493	-7.5	08-20-64	D
4	O	4,492	—	—	D
3	O	4,498	-4.9	03-04-91	W
1.25	O	4,498	-9.3	03-01-91	W
3	O	4,511	-8.7	03-05-91	D
3	O	4,520	-19.7	03-01-91	W,D
2.5	O	4,518	-4.0	09-28-89	D
2	O	4,540	-2.6	08-13-76	D,C
3	P 364-372	4,541	-48.6	09-10-84	D,C
3	P 368-378	4,548	-18.4	09-28-89	W,D,C
3	P 368-378	4,555	-28 R	04-02-64	D
2.5	O	4,547	-3.5	03-05-91	W
2	O	4,553	-14.2	07-09-65	D
3	O	4,525	-27.2	09-05-90	W,D,C

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-8-2)16dbb-2	Huff, J.	1962	H	168
(D-8-2)17ada-1	Hansen, B.	1964	H	466
(D-8-2)17add-5	Huff, E.	1962	H	105
(D-8-2)17add-6	Huff	1950	H	80
(D-8-2)17ccc-2	Clayson, Mrs. Allen	1959	H	363
(D-8-2)17dab-2	Beckstrom, J. L.	1959	H	100
(D-8-2)17dad-1	Evans, James S.	1975	H	110
(D-8-2)17ddd-1	Simmons, Steve	1944	H	94
(D-8-2)19add-1	Beckstrom, A.	1916	H	480
(D-8-2)20cad-2	Hawkins, C.	1900	H	420
(D-8-2)21aaa-1	Anderson, Mrs. John	—	H	498
(D-8-2)21bbb-2	Lee, Eddie	1956	H	110
(D-8-2)21ddd-1	Anderson, Bernell	1936	H	347
(D-8-2)22cdc-1	Salt Lake By-Products	1935	N	620
(D-8-2)22cdc-2	Salt Lake By-Products	1957	N	385
(D-8-2)23dbd-1	Ferto Corporation	1920	N	390
(D-8-2)23dbd-2	Ferto Corporation	1916	N	390
(D-8-2)23dbd-3	Ferto Corporation	—	H	—
(D-8-2)23dca-2	Ferto Corporation	1940	I	569
(D-8-2)24bdc-2	Thomas, R.	1963	H	352
(D-8-2)25bca-1	Valley Asphalt, Inc.	1978	N	246
(D-8-2)25dac-3	Spanish Fork City	1961	U	620
(D-8-2)26aad-3	Creer, R.	1961	H	223
(D-8-2)26aad-4	Leland Milling Company	1987	N	360
(D-8-2)26abb-3	Ludlow, A.	1946	H	371
(D-8-2)26adc-1	Unknown	1971	S	—
(D-8-2)27acd-1	Thomas, I.	1948	S	180
(D-8-2)28cbd-3	Hone, Melva	1944	H	92
(D-8-2)28cca-2	Thorton, S.	1951	S	200
(D-8-2)28daa-1	Larson, D.	1939	H	120
(D-8-2)29aaa-7	Hickman, Rex L.	1957	H	390
(D-8-2)29aab-5	Steele, Alice	1956	H	176
(D-8-2)29add-1	Reynolds, Reed	1935	H	222
(D-8-2)29bcb-1	Argyle, Bert	1966	H	165
(D-8-2)29bcd-2	Zieman, Jacob	1952	H	166
(D-8-2)29cab-1	Hansen, Arthur	1947	H	168

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
2	—	4,522	-4.2	03-04-91	W
2	X 452-466	4,514	-5.4	03-01-91	W,L
2	P 84-105	4,517	7.74	03-17-70	D
2	O	4,515	8 R	06-07-50	D
2	O	4,509	-8.5	08-17-89	W,D
2	O	4,514	9.11	09-03-64	D
4	O	4,518	9.16	03-04-91	
2	X 83-94	4,522	8 R	07-13-44	D
2	—	4,514	-12.6	03-01-91	W
2	—	4,522	-2.7	03-01-91	W
3	O	4,536	-6.85	08-28-89	W
2	O	4,522	10 R	06-26-56	D
2	O	4,541	-12.5	10-02-89	W,D
2	O	4,545	-15.4	03-04-91	W,D
4	—	4,545	-10.9	03-04-91	W,D
3	P 380-390	4,565.1	-19.6	12-17-47	
4	P 380-390	4,561	-15.6	06-23-65	
2	—	4,560	-1.1	09-15-64	D
8	P 475-500	4,562	-18.2	10-05-73	C
3	P 327-352	4,570	-1.5	08-17-89	W,D
8	O	4,610	27 R	12-30-78	
16	P 505-508	4,622	38.42	03-05-91	W
	P 512-545				
	P 547-564				
	P 600-605				
4	O	4,595	35.45	03-06-91	W
6	O	4,595	8 R	09-25-87	
2.5	O	4,579	-3.9	03-04-91	W
8	O	4,550	-4.5 R	02-16-71	
2	O	4,546	-5.2	03-05-91	W
2	O	4,525	-6.6	07-31-89	W,D,C
3	O	4,525	-4.1	03-01-91	W
2	O	4,535	-2.6 R	09-25-64	D
2.5	O	4,530	-6.9	03-05-91	W
2.5	O	4,525	-4.6	03-01-91	
3.5	O	4,526	-3.8	08-10-77	C
4	O	4,508	-10.5	08-17-89	D
2.5	O	4,512	-19.6	08-17-89	W,D
2.5	O	4,513	-26.4	03-04-91	W,D

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-8-2)30bad-1	Stewart, I.	1944	I	32
(D-8-2)31bcd-1	Tanner, Art	1890	S	60
(D-8-2)31cbb-1	Schaerrer, Grant	1945	S	96
(D-8-2)31cda-1	Schearrer, Grant	—	I	450
(D-8-2)31cdb-1	Schearrer, Grant	1920	S	90
(D-8-2)31cdb-2	Schearrer, Grant	1963	I	435
(D-8-2)32aad-1	Young, K.	1934	H	117
(D-8-2)32daa-1	Benjamin Cemetery	1949	I	247
(D-8-2)33bcc-1	Mackey, Boley	—	I	—
(D-8-2)34acd-1	Ludlow, N.	1946	S	80
(D-8-2)34dda-1	Bearnson, Gill	1946	S	130
(D-8-2)36dbd-2	Gardner, L.	1952	H	260
(D-8-2)36dbd-3	Cloward, B.	1961	H	38
(D-8-3)2dcd-1	Mapleton City	1954	P	533
(D-8-3)2dcd-2	Dawn, Richard	1977	H	200
(D-8-3)3bca-1	Springville City	1990	P	428
(D-8-3)3cca-1	Snyder, Robert	1975	H	232
(D-8-3)3dcb-1	Fullmer, Richard	1978	H	305
(D-8-3)3dcd-1	Seal, Z.	1961	I	387
(D-8-3)4caa-2	Eddington Canning Company	1945	H	117
(D-8-3)4caa-3	Eddington Canning Company	1952	I	153
(D-8-3)4caa-4	Spanish Fork City	1965	U	—
(D-8-3)4cad-1	Eddington Canning Company	1935	—	231
(D-8-3)4daa-1	Springville City	1961	P	371
(D-8-3)5bca-1	Phillips, J.L.	1890	H	150
(D-8-3)6ddd-1	Unknown	—	U	—
(D-8-3)6ddd-2	Unknown	—	I	357
(D-8-3)6ddd-3	Unknown	1934	I	149
(D-8-3)6ddd-4	Unknown	1934	I	284
(D-8-3)6ddd-5	Springville Irrigation Company	1934	I	160
(D-8-3)7aad-1	Schwartz, Glade	1948	S	148
(D-8-3)7abc-1	Leftwich, Jack	1972	C	156
(D-8-3)7aca-2	Williams, Keith	1948	I	147
(D-8-3)8abd-1	Miner, F. Lee	1959	U	300
(D-8-3)10cba-1	Hjorth Brothers	1961	I	520
(D-8-3)10dac-1	Johnson, Kelly	1977	H	62

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
2	O	4,500	-7.3	09-28-64	D
2	O	4,503.2	—	—	D
3	O	4,504	-14.8	08-28-89	W,D,C
12	P 150-450	4,510	—	—	D,C
22	O	4,510	-15.0	03-07-91	W,D,C
12	P 210-325	4,510	-30.2	03-07-91	W,D,C
	P 375-430				
2.5	O	4,520	-2.5 R	09-28-64	
5	O	4,545	11	11-10-49	C
—	—	4,525	—	—	
2	O	4,531	-7.4	03-05-91	W,D,C
2	O	4,528	-11.0	03-09-90	W,C
4	O	4,640	51.12	03-06-91	
6	—	4,640	9.13	03-06-91	W,C
10	P 238-243	4,805	221.70	03-19-65	
	P 246-533				
6	O	4,800	171.12	03-08-91	
16	P 280-420	4,640	70.23	03-05-91	L
6	P 200-232	4,702	114.17	03-05-91	L
6	P 285-305	4,725	148.69	03-05-91	
16	P 215-385	4,736	164	04-22-64	
4	O	4,560	-20 R	06-08-45	D
8	P 112	4,560	—	—	D
8	O	4,560	-25 R	07-19-65	D
4	O	4,580	-18.1	07-02-65	D
16	P 145-255	4,629	46.2	07-01-65	L
	P 280-370				
2	O	4,522.2	-9.7	03-04-91	WD
—	—	4,520	—	—	D
3	—	4,620	—	—	D
3	O	4,518	-2.7 R	11-04-64	
3	—	4,518	—	—	
3	—	4,518	—	—	
3	O	4,525	-25.1 R	03-31-64	D
8	P 132-156	4,519	-23.5	03-04-91	W,D
2.5	O	4,525	-25 R	07-14-48	D
4	O	4,560	6.14	03-04-91	L,W
8	P 395-520	4,714	127.6	06-30-65	L
6	O	4,725	34.44	03-05-91	L

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-8-3)10ddb-2	Porter, Rich D. & Lois G.	1977	H	203
(D-8-3)11abb-1	Edmonds, Paul K.	1986	I	242
(D-8-3)11caa-1	Perry, Fay L.	1983	I	215
(D-8-3)11ccc-1	Mapleton City	1961	P	500
(D-8-3)11ccc-2	Johnson, Frank	1977	H	70
(D-8-3)14acc-1	Orton, G.B.	1963	U	675
(D-8-3)14bab-1	Trojan Powder Corporation	1989	U	376
(D-8-3)14dab-1	Shurtleff, F.L.	1972	I	363
(D-8-3)14dca-1	Broadbent, J.	1965	I	395
(D-8-3)16aaa-1	Kimber and Johnson	1973	S	70
(D-8-3)16aaa-2	Rostron, Melvin	1977	H	275
(D-8-3)17ada-1	Garner, R.	1950	S	65
(D-8-3)17bad-1	Orton, G.B.	—	I	—
(D-8-3)17cdc-1	Pierce, L.	1960	H	127
(D-8-3)17cdc-2	Smith, F.	1960	H	295
(D-8-3)18aaa-3	Hanson, R.	1960	I	171
(D-8-3)18bdc-1	Spanish Fork City	1963	I	350
(D-8-3)19bbb-1	Spanish Fork City	1968	P	1,000
(D-8-3)19ccb-1	Spanish Fork City	1969	I	275
(D-8-3)19ccd-1	Christianson, H.	1890	H	25
(D-8-3)19cda-1	Spanish Fork City	1975	P	393
(D-8-3)19dca-1	Spanish Fork City	1970	P	603
(D-8-3)21bbd-1	Snyder, Paul	1977	H	358
(D-8-3)21cac-1	Storrs, Jan	1976	H	275
(D-8-3)22bab-1	Crandall, Condie	1972	H	26
¹⁰ (D-8-3)22cbd-3	Mapleton City	1961	P	541
(D-8-3)23baa-1	Dr. Orton	—	I	—
(D-8-3)23ccd-1	Biesinger, N.	1961	I	265
(D-8-3)23cdd-1	Whiting, R.W.	1973	H	381

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
6	O	4,722	141.47	03-05-91	
8	P 210-215	4,790	200 R	04-01-86	C
8	O	4,770	185.60	03-05-91	W
12	P 383-405	4,730	140	03-06-91	W
	P 409-494				
6	P 65-67	4,735	46.16	03-07-91	W
8	P 189-200	4,775	177.05	03-05-91	W
	P 372-395				
	P 507-675				
4	R 351-371	4,729.1	144.85	12-22-89	W
8	P 200-363	4,800	210 R	02-25-72	
12.5	P 210-215	4,800	195 R	07-20-65	
	P 233-252				
	P 315-378				
6	P 55-65	4,710	14.68	03-05-91	L
6	O	4,705	123.43	03-05-91	L
4	O	4,700	24.53	03-07-91	W
—	—	4,600	—	—	
4	O	4,705	9.79	03-05-91	
4	O	4,710	142.22	03-05-91	W
4	O	4,550	-2.1	03-07-91	W
6	P 330-350	4,554	-23.9	06-22-65	
16	P 780-811	4,675	—	—	
	P 820-833				
	P 890-920				
	P 948-955				
12	P 170-250	4,585	10.7 R	10-19-69	
1.5	O	4,590	-6.4	03-04-91	W
12	P 160-179	4,660	88	11-05-75	
	P 303-332				
16	P 461-50	4,690	—	—	
6	X 330-358	4,719	135.24	03-06-91	
6	P 265-275	4,735	133.12	03-06-91	
4	P 15	4,720	11.32	03-06-91	
16	P 485-535	4,760	179.88	03-06-91	L,W
—	—	4,770	—	—	
8	O	4,960	220 R	09-29-61	L
6	P 360	4,980	182.96	03-07-91	

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-8-3)26bcd-1	Trojan Powder Corporation	1989	U	236
(D-8-3)26cbd-1	Trojan Powder Corporation	1989	U	302
(D-8-3)26cbd-2	Trojan Powder Corporation	1989	U	43
(D-8-3)26cca-2	Trojan Powder Corporation	1989	U	35
(D-8-3)26ccb-1	Trojan Powder Corporation	1940	N	399
(D-8-3)27adc-1	Trojan Powder Corporation	1989	U	188
(D-8-3)27adc-2	Trojan Powder Corporation	1989	U	395
(D-8-3)27bad-1	Trojan Powder Corporation	1989	U	276
(D-8-3)27bad-2	Trojan Powder Corporation	1989	U	468
(D-8-3)27cdc-1	Spanish Fork City	1963	P	630
(D-8-3)28abc-1	Jensen, J.	1961	I	470
(D-8-3)28bcd-1	Spanish Fork City	1961	P	410
(D-8-3)28bdc-1	Anderson, G.	1961	I	395
(D-8-3)29aaa-1	Farnsworth, Richard C.	1974	H	289
(D-8-3)30dba-1	Haderlie, P.	1970	U	285
(D-8-3)31ccd-1	Hendacka, H.	1970	H	246
(D-8-3)32add-1	Southeast Irrigation Company	—	I	—
(D-8-3)32baa-1	Vincent, W.	1960	H	276
(D-8-3)33aca-1	Spanish Fork City	1971	H	328
(D-8-3)33acb-1	Strawberry Water Users' Association	1910	H	50
(D-8-3)33cac-1	Hunter, W.	1958	H	100
(D-8-3)33cac-2	Shepherd, Lee	1973	H	693
(D-8-3)34aca-1	Trojan Powder Corporation	1940	N	261
(D-8-3)34bab-1	Spanish Fork City	—	U	470
(D-8-3)34bbb-1	Hurst, Harold	1973	S	151
(D-9-1)1bac-1	Powell, Lynn, and Young, Dallas	1976	I	600
(D-9-1)1bcb-2	Powell, L.M.	1973	H	416
(D-9-1)2ada-2	Farr, L.	1948	H	610
(D-9-1)2cab-1	Hi-Country Fruit Farm	1973	H	210
(D-9-1)2ccd-1	Critchfield, Gale	1980	—	280
(D-9-1)2ddd-1	Stewart, M.	1945	H	60
(D-9-1)11acc-1	Liddle, G.	1974	H	253
(D-9-1)11acc-2	Liddle, Parley	1981	S	85
(D-9-1)11baa-1	Bezzant, Clifford	1971	I	168

selected wells—Continued

Casing			Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)			Above (-) or below land surface	Date	
4.5	S	216-236	4,965.6	189.04	03-08-91	W
—	—		5,012.6	231.16	03-08-91	W
—	—		4,991.1	36.13	03-08-91	W
—	—		4,983.9	21.86	03-08-91	W
8	P	365-399	5,000	266.1	03-23-65	
4	R	163-183	4,820.5	96.57	03-08-91	L,W
4.5	S	375-395	4,820.6	165.40	03-08-91	W
4	R	256-276	4,778.5	149.39	03-08-91	W
5	R	443-463	4,772.4	185.36	03-08-91	L,W
12	P	220-254	4,780	168.9	06-30-65	L
	P	377-432				
	P	515-520				
	P	541-546				
	P	583-589				
12	P	264-284	4,745	154.1	06-30-65	L
	P	425-465				
12.5	—		4,749	—	—	L
12	P	240-285	4,746	178.50	04-22-64	L
8	O		4,735	160 R	10-01-75	L
6	P	265-285	4,711	113.73	03-06-91	L,W
4	O		4,655	67.12	03-04-91	L
—	—		4,660	—	—	
5	O		4,720	164 R	03-03-65	
6	P	320	4,678	-40.6	03-04-91	
—	O		4,664	—	—	C
4	O		4,760	62.41	03-07-91	W
6	P	353-693	4,800	-13.5	03-08-91	
10	P	240-261	4,844	101.16	03-24-67	
16	—		4,797	142.75	03-06-91	W
8	P	135-146	4,720	70.87	03-06-91	W
6	—		4,520	-26.5	08-09-89	D
6	X	316-416	4,530	-6.4	03-05-91	
3	O		4,532	-3.1	03-05-91	
8	O		4,720	182.51	06-26-89	
8	O		4,730	205 R	06-22-80	
2	—		4,555	5.49	03-06-91	
6	P	175	4,610	73 R	07-01-74	
8	O		4,615	77.79	03-06-91	W
8	P	118-165	4,598	62.10	03-06-91	W

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-9-1)11bad-1	Bird, Terry	1971	H	160
(D-9-1)11ddc-1	Simpson, Leonard	1971	H	135
(D-9-1)12bbc-1	Bishop, A.	1947	H	70
(D-9-1)13bdb-1	McBeth, Clyde	1912	I	340
(D-9-1)13bdb-2	McBeth, Clyde	1920	I	340
(D-9-1)14aad-1	Wayman, Reid L.	1961	I	360
(D-9-1)14aad-2	Wayman, Craig	1971	I	300
(D-9-1)14ada-1	Stewart, D.	1945	H	55
(D-9-1)14ada-2	LDS Church	1961	I	363
(D-9-1)14ddd-1	Nay, C.	1950	H	125
(D-9-1)23acc-2	Payson Fruit Growers	1977	N	363
(D-9-1)23ada-1	Hi-Country Fruit Farm	1959	I	323
¹¹ (D-9-1)23adb-1	Rowley Brothers	1959	H	290
(D-9-1)23daa-1	Meredity, V.	1963	H	86
(D-9-1)23dcb-1	Rowley Brothers	1970	H	201
¹² (D-9-1)24acb-1	Daveport, L.	1962	H	100
(D-9-1)25aac-1	Spring Creek Irrigation Company	1934	I	34
(D-9-1)25aad-1	Holladay Field	1934	I	79
(D-9-1)25aad-2	Spring Creek Irrigation Company	1934	I	75
(D-9-1)25aca-1	Unknown	1934	I	160
(D-9-1)25ada-1	Spring Creek Irrigation Company	1934	I	124
(D-9-1)25ada-2	Unknown	—	I	—
(D-9-1)25ada-3	Holladay Field	—	I	90
(D-9-1)25ada-4	Unknown	—	—	—
(D-9-1)25ada-5	Unknown	—	I	—
(D-9-1)26aaa-1	McMullin, Dave	1973	I	380
(D-9-1)26aab-1	Rowley Brothers	1959	U	340
(D-9-1)26add-1	McMullin, Dave	1984	I	200
¹³ (D-9-1)26dda-1	McMullin, Dave	1961	I	307
(D-9-1)27aca-1	Keigley Quarry	—	K	310
(D-9-1)27aca-2	Keigley Quarry	1949	N	365
(D-9-1)32bbd-1	Oberg, Martin	—	U	80
¹⁴ (D-9-1)35abb-1	Strawberry Highline Canal Company	1963	I	435
(D-9-1)35bcd-1	Rowley	1957	S	190
(D-9-1)35bcd-2	Thompson, F.	1963	I	278

selected wells—Continued

Casing			Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)			Above (-) or below land surface	Date	
8	P	126-160	4,615	80 R	07-20-71	
8	O		4,608	64.81	03-07-91	
4	O		4,562	3.63	03-06-91	
6	O		4,605.8	—	—	
12	O		4,605.8	-7 R	11-04-64	D
12	P	90-360	4,619	57.57	03-06-91	L,W
8	P	97-100	4,605	28.70	01-23-91	L,W,C
	P	190-300				
4	O		4,620	15 R	01-27-45	C
12	P	110-360	4,620	42.10	03-25-67	C
4	O		4,649	30.60	03-06-91	W
10	P	120-170	4,770	243 R	05-15-77	
	P	220-355				
12	P	44-308	4,667	23.04	03-06-91	W,C
12	—		4,695	50.09	03-06-91	
6	—		4,687	39.71	03-06-91	W
8	P	126-198	4,760	114 R	10-22-70	
6	O		4,659	3.41	03-08-91	W
4	O		4,695	-1.6 R	10-14-64	D
4	O		4,682	-3.1 R	05-28-64	D
4	O		4,680	-5.0	03-07-91	D
3	O		4,705	-2.6	08-30-89	D
4	O		4,680	-7.6	03-07-91	W,D
—	—		4,680	-12.5	07-20-89	D
—	—		4,680	-12.8	07-20-89	W,D
—	—		4,680	-9.4	07-20-89	D
—	—		4,680	—	—	D
10	P	100-380	4,705	53 R	06-26-73	C
12	P	70-340	4,715	61.92	03-06-91	W,C
10	P	100-200	4,735	45 R	07-31-84	C
14	P	90-300	4,741	51.4	06-29-65	
8.25	O		4,765	226.96	10-25-89	W
8.5	P	220-365	4,760	224 R	01-01-50	
3	—		4,530	15.95	03-05-91	W
16	P	145-430	4,800	103 R	03-29-67	C
6	O		4,822	151.23	03-06-91	
6	P	160-210	4,822	160	10-14-64	C
	P	218-275				

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-9-1)36acb-1	Ferguson, Bill	1975	I	415
(D-9-1)36bbc-1	Strawberry Highline Canal Company	1961	I	386
(D-9-1)36cdb-1	Miller, M.	1962	H	185
(D-9-1)36cdd-1	Shaw, W.E.	1955	I	325
(D-9-2)1bcb-1	LDS Church	1966	I	733
(D-9-2)2add-1	Davis, Frank	1936	H	188
(D-9-2)2dad-1	Culmer, E.	1967	I	196
(D-9-2)2dad-2	Culmer, E.	1956	I	227
(D-9-2)3aba-4	Taylor, R.	1964	S	138
(D-9-2)4cdc-1	Island Ranch Company	1943	H	310
(D-9-2)5acc-1	Jones, H. Max	—	I	165
(D-9-2)5acc-2	Jones, H. Max	—	I	—
(D-9-2)5acc-3	Jones, H. Max	—	H	—
(D-9-2)5bcc-1	Depew, Max	1953	H	133
(D-9-2)5bcc-2	Depew, Max	1956	I	142
(D-9-2)5bcd-1	Depew, Max	1967	H	146
(D-9-2)5bcd-2	Maurin, Charles	1970	I	156
(D-9-2)5bdd-1	Jones, H. Max	1915	I	60
(D-9-2)5bdd-2	Jones, H.	1915	I	162
(D-9-2)5bdd-3	Depew, Max	—	I	—
(D-9-2)5bdd-4	Jones, H.M.	—	I	363
(D-9-2)5cbb-3	Stickney, Donna	1961	I	121
(D-9-2)5ccc-1	Wilson, Sherol	1900	I	160
(D-9-2)5ccd-2	Unknown	1990	U	32.5
(D-9-2)5dcd-3	Payson City	1934	—	166
(D-9-2)5ddb-1	Brown, Wayne L.	1974	H	40
(D-9-2)5ddc-2	Payson City	1934	U	170
(D-9-2)5ddd-1	Unknown	1990	U	32.5
(D-9-2)6add-4	Christiansen, G.	1961	H	112
(D-9-2)6add-5	Walker, James	1962	H	310
(D-9-2)6ddb-1	Wilson, Shirley	1970	I	158
¹⁵ (D-9-2)6ddb-2	Wilson, C.	1964	I	302

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
10	P 200-265	4,820	102.41	03-06-91	W,C
	P 365-415				
16	P 80-370	4,807	102.2	03-06-91	W,C
4	O	4,862	167.64	03-08-91	W
12	P 192-325	4,890	187.52	03-06-91	W,C
16	P 540-618	4,580	-7.2	03-05-91	W,D
	P 645-730				
2.5	O	4,570	-1.6	08-17-89	W,D
4	O	4,570	-.6	03-05-91	W
2	O	4,570	-9.6	03-04-91	W,D
4	O	4,528	-15.4	03-04-91	W
8.4	O	4,582	13	03-06-91	W
2	—	4,536	-32.3	03-06-91	W,D
—	—	4,542	—	—	
—	—	4,542	—	—	
4	O	4,537	-20 R	04-26-53	D
4	O	4,537	-14.2	08-09-89	W,D
6	P 136-146	4,537	-8.1	08-09-89	W,D
4	P 147-156	4,537	—	—	D
2	O	4,541.6	-13.1 R	09-23-64	
2	O	4,542	-27.9 R	09-23-64	D
—	—	4,540	—	—	
6	P 67-75	4,541	-40.0	01-02-69	D
	P 170-180				
	P 192-355				
4	O	4,541	-21.1	03-06-91	W,D
2	O	4,560.8	-8.3	12-04-64	D
1	O	4,562	3.44	07-02-90	W
3	O	4,576.8	-12.4	10-10-66	
—	O	4,565	-5.3	06-22-89	D,C
3	O	4,576.99	-15.2	03-11-74	D
1	O	4,576	5.96	03-06-91	W
6	O	4,534	-23.3	07-19-89	W,D
8	P 177	4,535	-31.2	07-19-89	W,D
8	P 85-90	4,546	-18.0	03-07-91	W,D,C
	P 100-105				
	P 121-126				
	P 146-152				
8	O	4,552	-17.9	03-07-91	W

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-9-2)7bdd-1	Peart, M.	1963	S	66
¹⁶ (D-9-2)7cda-2	Cornaby, B.	1962	S	16
(D-9-2)7dcc-1	Spencer, S.	1956	H	310
(D-9-2)8ccb-1	Unknown	1990	U	46.5
(D-9-2)9bac-1	LDS Church	1961	I	445
(D-9-2)10cad-2	Woodhouse, Ralph	1936	H	400
(D-9-2)10cad-4	Woodhouse, Mike	—	H	49
(D-9-2)10dac-1	Christensen, Don H.	1966	H	360
(D-9-2)11aaa-1	Wilson	1933	I	320
(D-9-2)11aca-3	Cole, Don	1958	H	285
(D-9-2)11adc-1	Salem City	1932	P	150
(D-9-2)13dbc-1	Johnson, Hal C.	1976	I	445
(D-9-2)13dca-1	Unknown	—	H	—
(D-9-2)14baa-1	Turpin, W.T.	1971	H	186
(D-9-2)14bdd-1	Vachea, Dan	1970	H	133
(D-9-2)15adb-1	Gasser, P.	1960	H	130
(D-9-2)15bbb-1	Payson City	1961	P	195
(D-9-2)15bcc-1	Reynaud, A.L.	1971	H	100
(D-9-2)15cda-1	Allred, Rey	1970	I	218
(D-9-2)16cbb-1	Payson City	1970	P	500
¹⁷ (D-9-2)17aaa-1	Payson City	1961	P	195
(D-9-2)17ada-1	Brimhall, Reed	—	U	165
(D-9-2)17bbb-1	Unknown	1990	U	31.5
(D-9-2)17cbc-1	Payson City	—	P	600
(D-9-2)17daa-1	Payson City	1954	P	225
(D-9-2)18aab-1	Unknown	1990	U	31.5
(D-9-2)18aca-1	Unknown	1934	H	278
(D-9-2)18dad-1	Haitt, W.	1949	H	92
(D-9-2)19aca-1	Emerald Turf Farm	1977	I	343

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
6	O	4,594	20.16	03-06-91	W
—	P 13-16	4,600	8.02	03-06-91	W
6	O	4,603	7.94	03-06-91	W
1	O	4,606	5.5	07-02-90	
16	P 50-169	4,608	37.47	03-06-91	W,C
	P 202-252				
	P 288-337				
	P 377-427				
	O	4,585	-16.1	03-04-91	
—	—	4,585	3.63	03-04-91	
6	O	4,598	-20.9	03-04-91	W,D
3	P 175-185	4,584.63	-28.8	03-04-91	W,C
	P 310-320				
4	O	4,595	-22.3	03-04-91	W,D
3	O	4,596.9	-8.4 R	12-04-64	
6	P 347-445	4,960	346 R	07-17-76	
—	—	5,020	404.96	10-25-89	
4	O	4,690	72.20	03-06-91	
6	O	4,750	128.25	03-06-91	
4	O	4,695	77.48	03-06-91	
16	—	4,611	21.41	03-06-91	
6	O	4,665	64.84	03-06-91	
8	P 25-180	4,750	104 R	05-11-70	C
12	P 250-500	4,760	156 R	04-04-71	
16	P 100-195	4,682	74.9	06-28-65	
6	O	4,720	117.42	03-06-91	W
	O	4,623	14.2	07-02-90	
16	P 235-300	4,650	40 R	04-24-89	
	P 380-415				
	P 450-518				
12	P 160-220	4,764	158.50	01-18-67	
1	O	4,613	6.16	07-02-90	
3	O	4,620	17.15	03-06-91	W
4	O	4,645	37.01	03-07-91	
16	P 160-300	4,650	40.46	03-05-91	C
	P 323-343				

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-9-2)19acb-1	Emerald Turf Farm	1976	I	311
(D-9-2)20baa-1	Hardman, H.T.	1971	I	175
(D-9-2)20bbc-2	Mount Loafer Irrigation Company	1961	I	275
(D-9-2)20bdc-1	Revel, James M.	1974	I	445
(D-9-2)20cca-1	Peay, G.	1946	H	60
(D-9-2)20ccc-1	Spring Lake Water Works Company	1962	P	145
(D-9-2)22add-1	Haskel, F.E.	1972	H	272
(D-9-2)22bad-1	Allred, Rey	1957	Z	855
(D-9-2)22cad-1	Brunson, Reed A.	1976	I	220
(D-9-2)22dac-1	Goosenest Water Company	1970	P	500
(D-9-2)23abb-1	Elk Ridge Corporation	1979	P	957
(D-9-2)24aca-1	Hanks, Ted	1971	I	450
(D-9-2)24bda-1	Hanks, Ted	—	U	300
(D-9-2)25bbb-1	Elk Ridge Corporation	1970	P	340
(D-9-2)25bbc-1	Elk Ridge Corporation	1969	P	132
(D-9-2)26add-1	Elk Ridge Corporation	—	P	500
(D-9-2)26baa-1	Elk Ridge Corporation	1971	P	530
(D-9-2)29acd-1	Judd, Steve	1950	Q	70
(D-9-2)29acd-2	Judd, Steve	—	Q	—
(D-9-2)29acd-3	Judd, Steve	—	Q	—
(D-9-2)29acd-4	Judd, Steve	—	Q	—
(D-9-2)29bba-1	Mountain View Dairy	1972	S	250
(D-9-2)29cda-1	Spring Lake Water Works Company	1961	P	116
(D-9-2)29dbd-2	Spring Lake Water Works Company	1989	P	183
(D-9-2)30bcb-2	Unknown	—	I	—
(D-9-2)30cbb-2	Helm, Andrew	1957	H	95
(D-9-2)31cda-2	Thorvaldson, A.	1962	H	167
(D-9-2)32bac-1	Ashton, C.	1953	I	367
(D-9-2)32bbb-1	Jarvis, Marvin	1970	I	505
(D-9-2)36acd-1	Loafer Water Users' Association	1980	S	340

selected wells—Continued

Casing			Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)			Above (-) or below land surface	Date	
12	P	157-309	4,645	35.61	03-05-91	C
—	X	175	4,740	136.81	03-05-91	
16	P	85-265	4,670	55.90	03-29-67	
8	P	190-440	4,740	120 R	09-27-74	
4	O		4,725	4.99	03-06-91	
12	P	95-110	4,716	20.40	03-05-91	L,W
	P	120-135				
8	P	262-272	4,960	248 R	09-01-72	
6	P	235	4,840	185 R	04-19-58	
8	P	160-200	5,020	140.26	03-06-91	W
12	P	185-415	5,035	190.60	04-28-89	
8	S	250-330	4,900	255 R	09-27-79	
	S	380-400				
	S	425-465				
	S	530-605				
	S	690-730				
	S	810-840				
	S	845-955				
8	P	305	5,140	266 R	11-01-71	L
4	O		5,100	286.90	03-04-91	W
6	P	150-340	5,290	158 R	04-20-70	
8	P	70-87	5,340	80.03	03-06-91	W
	P	100-130				
10	P	295-495	5,470	265 R	10-23-70	L
10	P	335-530	5,190	335 R	07-31-71	
4	O		4,780	-12.6	08-09-89	W,D
—	—		4,780	-11.8	08-09-89	
—	—		4,780	-11.1	08-09-89	
—	—		4,780	—	—	
8	X	155-250	4,730	67 R	10-01-72	
10	O		4,780	36.43	03-07-91	L
8	P	105-120	4,850	63.0	03-07-91	L
	P	140-150				
—	—		4,680	-8.6	08-03-89	D
4	O		4,705	7.74	08-03-89	W,D
6	O		4,832	140.1	06-28-65	
10	P	255-307	5,200	252.9	06-28-65	
10	P	127-500	4,800	87 R	12-01-70	
8	X	130-340	6,120	119	05-11-89	C

Table 1.—Records of

Well number	Owner	Year drilled	Use of water	Well depth (feet)
(D-9-3)5bbb-2	Brigham Young University	1959	H	276
(D-9-3)5bbd-1	Brigham Young University	1962	I	601
(D-9-3)5cdc-1	Koyle, J.	1946	H	105
(D-9-3)6abb-1	Cloward, R.	1904	S	14
(D-9-3)6cbc-1	Guss, P.	1965	S	280
(D-9-3)7aab-1	Tanner, Paul	1973	H	190
(D-9-3)18bbb-1	Salem City	1971	P	584
(D-9-3)19bba-1	Woodland Hills	—	P	—
(D-9-3)19bba-2	Woodland Hills	—	—	—
(D-10-1)1acd-2	East Santaquin Irrigation Company	1965	I	650
(D-10-1)1cbb-1	Santaquin City	1956	P	456
(D-10-1)2adb-1	Summit Creek Irrigation Company	1961	I	580
(D-10-1)2bba-1	Genola	1960	P	527
(D-10-1)2ddd-1	Summit Creek Irrigation Company	1969	I	694
(D-10-1)4ddc-1	Ekins, Shirl	1976	H	400
(D-10-1)10aab-1	Beardall, Norman	1974	H	333
(D-10-1)11bbd-1	Rowley, Claude	1964	H	475
(D-10-1)17cca-1	D.S. Powelson & Sons	1955	U	102
(D-10-1)19bad-1	Unknown	—	—	—
(D-10-1)19bdc-1	Ekins, Shirl	1970	I	455
(D-10-1)30bac-1	Lunceford, Scott	1983	I	600

¹ Previously reported as (C-9-1)20dcc-1 (Cordova, 1969, table 1).

² Previously reported as (C-9-1)34dba-1 (Cordova, 1969, table 1).

³ Previously reported as (C-10-1)15cdd-1 (Cordova, 1969, table 1).

⁴ Previously reported as (C-10-1)25aab-1 (Cordova, 1969, table 1).

⁵ Previously reported as (D-8-2)4aab-1 (Cordova, 1969, table 1).

⁶ Previously reported as (D-7-3)29dcb-1 (Cordova, 1969, table 1).

⁷ Previously reported as (D-8-2)2abd-1 (Cordova, 1969, table 1).

⁸ Previously reported as (D-8-2)4baa-1 (Cordova, 1969, table 1).

⁹ Previously reported as (D-8-2)4bcb-1 (Cordova, 1969, table 1).

selected wells—Continued

Casing		Elevation of land surface (feet)	Water level		Other data available
Diameter (inches)	Finish (feet)		Above (-) or below land surface	Date	
8	—	4,675	94.9 R	09-01-64	
12	P 300-340	4,684	91.10	03-08-73	L,C
	P 515-586				
6	O	4,820	40.74	03-04-91	W
20	X 1-20	4,661	9.60	03-04-91	W
6	—	4,675	86.23	03-05-91	W
6	P 175	4,705	91.50	03-04-91	W
16	P 406-566	4,870	256.66	02-15-91	
—	—	5,160	—	—	
—	—	5,160	—	—	
16	P 190-643	4,920	229.85	08-09-65	C
16	P 280-454	4,973	270.14	03-07-91	W
12	P 259-548	4,938	234.90	02-15-67	C
12	P 189-520	4,880	144.70	03-14-73	
12	P 212-496	5,015	313 R	02-14-70	C
	P 506-694				
8	X 120-400	5,040	—	—	
8	P 233-245	4,960	186 R	03-22-74	
	P 273-300				
6	P 335-470	5,020	311	11-04-64	
12	—	4,563	31.22	03-05-91	W
—	—	4,580	—	—	C
16	P 200-420	4,650	125 R	08-31-70	C
	X 431-455				
12	P 300-400	4,840	257.30	03-19-90	C
	P 482-501				
	P 520-538				
	P 556-572				

¹⁰ Previously reported as (D-8-3)22cac-1 (Cordova, 1969, table 1).

¹¹ Previously reported as (D-9-1)23aac-1 (Cordova, 1969, table 1).

¹² Previously reported as (D-9-1)24acc-1 (Cordova, 1969, table 1).

¹³ Previously reported as (D-9-1)26daa-1 (Cordova, 1969, table 1).

¹⁴ Previously reported as (D-9-1)35aba-1 (Cordova, 1969, table 1).

¹⁵ Previously reported as (D-9-2)6ddc-1 (Cordova, 1969, table 1).

¹⁶ Previously reported as (D-9-2)7dbc-1 (Cordova, 1969, table 1).

¹⁷ Previously reported as (D-9-2)16bbb-1 (Cordova, 1969, table 1).

Table 2.—Drillers' logs of selected wells

Well number: See figure 1 for explanation of the numbering system for hydrologic-data sites.

Thickness: In feet.

Depth: Depth to bottom of interval, in feet below land surface. Total depth may be deeper than well depth reported in table 1.

Material	Thickness	Depth	Material	Thickness	Depth
(C-9-1)3ddb-1			(C-9-1)20ddd-1—Continued		
Log by Robinson Drilling Company			Gravel (water).....	8	158
Clay, sand, and gravel	98	98	Clay and gravel	32	190
Clay, yellow	17	115	Gravel	59	249
Clay and gravel.....	30	145	Clay and gravel	229	478
Clay and sand.....	35	180	Conglomerate	24	502
Clay, yellow	10	190	Clay and gravel	225	727
Sand and gravel	15	205	Conglomerate	2	729
Clay, yellow	10	215	Clay and gravel (red).....	69	798
Sand and gravel	55	270			
Clay and gravel.....	60	330	(C-9-1)28ccb-1		
Clay, yellow	10	340	Log by Robinson Drilling Company		
Clay, sand, and gravel	213	553	Clay and sand	16	16
Clay, yellow	22	575	Gravel and boulders	2	18
			Clay, sand, and gravel	57	75
(C-9-1)4ddc-1			Boulders	4	79
Log by Robinson Drilling Company			Clay and gravel	46	125
Clay and sand.....	80	80	Sand and gravel (water)	47	172
Sand and gravel (water)	32	112	Clay, sand, and gravel	65	237
Clay and sand.....	78	190	Sand and gravel	26	263
Clay and gravel.....	170	360	Clay, gravel, and boulders.....	35	298
Clay and gravel.....	120	480	Sand and gravel	80	378
Clay, sand, and gravel	128	608	Conglomerate	6	384
Sand and gravel	82	690	Clay and gravel	204	588
			Sand and gravel	32	620
(C-9-1)17cdd-1			Clay and gravel	92	712
Log by Dave's Drilling Company			Conglomerate	18	730
Sand, gravel, and cobbles	75	75	Clay and gravel	72	802
Sand, gravel, and boulders.....	75	150			
Sand and gravel	45	195	(C-9-1)29acc-1		
			Log by Robinson Drilling Company		
¹(C-9-1)20cdd-1			Silt	2	2
Log by Robinson Drilling Company			Clay and boulders	13	15
Silt and sand.....	14	14	Clay, sand, and gravel	39	54
Clay and gravel.....	124	138	Clay, gravel, and boulders.....	31	85
Clay and sand.....	20	158	Sand and gravel	30	115
Clay and gravel (water).....	52	210	Sand, gravel, and boulders	68	183
Clay and sand.....	35	245	Clay and gravel	27	210
Sand and gravel	11	256	Sand and gravel (water)	22	232
Clay, tan	4	260	Sand, gravel, and boulders	20	252
Sand and gravel	30	290	Sand and gravel	102	354
Conglomerate	30	320	Clay and gravel (yellow)	62	416
Clay, sand, and gravel	230	550	Sand	8	424
Clay, red	25	575	Clay and gravel	208	632
			Clay and sand	68	700
(C-9-1)20ddd-1					
Log by Robinson Drilling Company					
Gravel and boulders	23	23			
Clay, sand, and gravel	127	150			

Table 2.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth	Material	Thickness	Depth
(C-9-1)29bcc-1			(C-10-1)4cbb-1—Continued		
Log by Robinson Drilling Company			Shale and rybite	50	579
Silt	1	1	Clay, sand, and gravel	608	1,187
Clay, sand, and boulders	39	40	Gravel and hard rock	13	1,200
Clay, gravel, and boulders	127	167	Shale	18	1,218
Sand	20	187			
Clay, sand, and gravel	100	287	(C-10-1)31cdd-1		
Gravel and cobbles	43	330	Log by Robinson Drilling Company		
Clay, sand, and gravel	36	366	Clay and silt	10	10
Clay and silt	8	374	Sand and gravel	20	30
Sand	13	387	Clay, sand, and gravel	180	210
Clay	59	446	Clay and volcanic ash		
Gravel	2	448	(water)	45	255
Clay, sand, and gravel	314	762	Sand and gravel	38	293
Sand and gravel	25	787	Clay, brown	19	312
Clay and sand	13	800	Volcanic cinders	6	318
			Clay, sand, and gravel	132	450
(C-9-1)34ddc-1			Conglomerate	55	505
Log by Angus Hales			Clay and sand	5	510
Clay and silt	100	100	Sand and gravel	18	528
Gravel	1	101	Volcanic ash	8	536
Silt and sand	56	157	Clay, conglomerate, and		
Gravel	1	158	volcanic ash	9	545
Silt and sand	38	196	Clay and volcanic cinders	3	548
Clay	12	208	Clay, sand, and gravel	55	603
Silt and sand	57	265			
			(C-11-1)6abc-1		
(C-10-1)4bbb-1			Log by Eldon Comer		
Log by Robinson Drilling Company			Clay, sand, and gravel	21	21
Clay and sand	45	45	Clay and cobbles	109	130
Clay, sand, and gravel	330	375	Gravel and boulders	8	138
Conglomerate	20	395	Clay, sand, and gravel		
Clay, gravel, and boulders	5	400	(water)	248	386
Conglomerate	23	423	Sand, gravel, and cobbles		
Clay, sand, and gravel	50	473	(water)	74	460
Conglomerate	5	478	Clay, sand, and gravel	36	496
Clay, sand, and gravel	46	524	Sand and gravel (water)	36	532
Clay and gravel	238	762	Clay, sand, and gravel	103	635
Clay, sand, and gravel	118	880	Sand and gravel (water)	42	677
Unknown	2	882	Clay and gravel	11	688
(C-10-1)4cbb-1			(C-11-1)6bdd-1		
Log by Layne-Texas Company			Log by Eldon Comer		
Clay, sand, and gravel	90	90	Clay, sand, and gravel	23	23
Sand and gravel	54	144	Gravel and boulders	19	42
Gravel and boulders	22	166	Clay, tan	6	48
Sand and gravel	88	254	Clay, gravel, and boulders	17	65
Clay and gravel	40	294	Clay, sand, and gravel	213	278
Gravel and shale	8	302	Sand, gravel, and cobbles		
Shale	8	310	(water)	26	304
Gravel	30	340	Clay, sand, and gravel	20	324
Sand and gravel	69	409	Sand, gravel, and cobbles	60	384
Gravel	120	529			

Table 2.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(C-11-1)6bdd-1—Continued		
Clay, sand, and gravel		
(water)	288	672
Sand, gravel, and boulders		
(water)	68	740
Clay, sand, and gravel	35	775

(D-7-2)32dad-1

Log by Jensen Construction and Drilling Company

Clay and sand.....	190	190
Clay	160	350
Sand (water)	10	360
Clay, sand, and gravel		
(water)	190	550

(D-7-3)18dcc-1

Log by Eldon Comer

Sand	26	26
Clay, blue	89	115
Gravel	6	121
Clay, tan	37	158
Sand	70	228
Clay	50	278
Gravel	4	282
Clay	7	289
Sand	33	322

(D-7-3)28cab-1

Log by Technical Services Inc.

Silt, sand, and gravel	20	20
Clay (gray)	17	37
Sand (water)	4	41
Clay	33	74
Silt, sand, and gravel	93	167
Clay and gravel.....	16	183
Hardpan.....	4	187
Silt, sand, and gravel	21	208
Boulders	1	209
Sand and gravel	41	250
Gravel and hardpan	35	285
Boulders	5	290

(D-7-3)32bcc-2

Log by Jensen Construction and Drilling Company

Clay	25	25
Silt and sand.....	8	33
Clay	72	105
Sand	3	108
Clay	36	144
Sand, gravel, and cobbles (water)	18	162
Clay	2	164

Material	Thickness	Depth
(D-7-3)34cdb-1		
Log by J.S. Lee and Sons		
Gravel and boulders	9	9
Sand	14	23
Clay and gravel (water)	29	52
Sand and gravel	28	80
Clay and sand	60	140
Sand and gravel	115	255
Clay and gravel	190	445

(D-8-2)17ada-1

Log by Christopherson and Simmons

Soil	10	10
Sand	26	36
Clay	41	77
Clay (red) and sand	132	209
Clay, blue	6	215
Clay (red) and sand.....	23	238
Clay, blue	38	276
Clay (white) and sand	93	369
Clay, blue	9	378
Clay (red) and sand.....	23	401
Clay (white) and sand	33	434
Clay (blue) and sand	32	466

(D-8-3)3bca-1

Log by Lee Drilling inc.

Fill	3	3
Gravel, cobbles, and		
boulders.....	15	18
Clay, sand, and gravel	5	23
Sand	45	68
Clay, gray	70	138
Gravel (water).....	75	213
Sand and gravel	32	245
Clay	28	273
Sand and gravel (water)	12	285
Conglomerate	18	303
Gravel (water).....	125	428

(D-8-3)3cca-1

Log by Jensen Construction and Drilling Company

Top soil	5	5
Sand and boulders	5	10
Hardpan.....	3	13
Clay and sand	186	199
Gravel (water).....	33	232

(D-8-3)4daa-1

Log by J.S. Lee and Sons

Clay, sand, and boulders	40	40
Clay and sand	103	143

Table 2.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth	Material	Thickness	Depth
(D-8-3)4daa-1—Continued			(D-8-3)16aaa-2—Continued		
Gravel	112	255	Sand	27	271
Clay, blue	19	274	Gravel (water).....	4	275
Gravel	94	368			
Clay and sand.....	3	371	¹(D-8-3)22cbd-3		
(D-8-3)8abd-1			Log by Eldon Comer		
Log by Woodhouse Drilling			Clay	250	250
Top soil	2	2	Clay and sand	40	290
Clay and gravel.....	58	60	Sand, gravel, and cobbles	21	311
Sand (water)	20	80	Clay	134	445
Clay, blue	40	120	Clay and sand	37	482
Sand and gravel	93	213	Gravel and cobbles	59	541
Sand (water)	57	270			
Clay, red	15	285	(D-8-3)23ccd-1		
Sand and gravel	10	295	Log by Woodhouse Drilling		
Sand	5	300	Top soil	3	3
			Clay, brown	17	20
(D-8-3)10cba-1			Clay and sand	110	130
Log by J.S. Lee and Sons			Clay and gravel	30	160
Sand and gravel	17	17	Sand	101	261
Sand	118	135	Gravel (water).....	4	265
Clay and sand.....	45	180			
Clay, blue	52	232	(D-8-3)27adc-1		
Gravel	78	310	Log by Dave's Drilling		
Clay, brown.....	2	312	Sand and silt.....	40	40
Unknown.....	208	520	Sand and gravel	15	55
			Sand and silt.....	20	75
(D-8-3)10dac-1			Sand	15	90
Log by Basin and Range Drilling Company			Sand and silt.....	10	100
Silt and sand	4	4	Sand (water)	20	120
Sand	7	11	Sand and gravel (water)	15	135
Gravel and cobbles	17	28	Silt and sand.....	12	147
Sand and gravel	18	46	Shale	8	155
Gravel and cobbles (water).....	16	62	Sand and gravel	30	185
			Sand and silt.....	15	200
(D-8-3)16aaa-1			Sand	22	222
Log by Jensen Construction and Drilling Company					
Top soil	6	6	(D-8-3)27bad-2		
Gravel	9	15	Log by Engineering Science, Inc.		
Clay and silt	35	50	Sand	10	10
Gravel (water)	20	70	Clay and sand	15	25
			Gravel	5	30
(D-8-3)16aaa-2			Sand	20	50
Log by Basin and Range Drilling Company			Clay and sand	15	65
Silt	2	2	Silt and sand.....	5	70
Gravel	6	8	Clay and sand	35	105
Sand (water)	24	32	Silt and sand.....	30	135
Clay, brown.....	17	49	Clay, silt, and sand (water)	115	250
Sand and gravel	13	62	Silt, sand, and gravel	15	265
Silt, sand, and gravel	22	84	Gravel	20	285
Silt and sand	53	137	Sand and gravel	10	295
Clay and sand.....	107	244	Clay, silt, and sand	139	434

Table 2.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-8-3)27bad-2 —Continued		
Sand and gravel	16	450
Gravel	10	460
Sand and gravel	5	465
Gravel	10	475
(D-8-3)27cdc-1		
Log by Eldon Comer		
Gravel and cobbles	18	18
Clay and sand	151	169
Sand	25	194
Clay, sand, and gravel	17	211
Sand, gravel, and cobbles (water)	35	246
Clay, sand, and gravel	127	373
Sand, gravel, and cobbles (water)	62	435
Clay, gravel, and boulders	16	451
Clay	14	465
Clay, gravel, and cobbles	7	472
Clay	42	514
Sand and gravel	6	520
Clay	20	540
Sand and gravel (water)	6	546
Clay and sand	36	582
Sand, gravel, and cobbles	2	584
Clay and sand	56	640
(D-8-3)28abc-1		
Log by Eldon Comer		
Gravel	19	19
Clay	183	202
Sand and gravel (water)	82	284
Clay and sand	137	421
Sand and gravel (water)	49	470
(D-8-3)28bcd-1		
Log by Woodhouse Drilling		
Gravel and boulders	30	30
Clay, blue	139	169
Sand (water)	85	254
Gravel (water)	37	291
Sand and clay	49	340
Conglomerate	40	380
Sand (water)	30	410
(D-8-3)28bdc-1		
Log by Woodhouse Drilling		
Gravel	25	25
Clay	175	200
Sand	35	235
Gravel	50	285

Material	Thickness	Depth
(D-8-3)28bdc-1—Continued		
Clay	93	378
Gravel	4	382
Sand and gravel (water)	13	395
(D-8-3)29aaa-1		
Log by Burt Drilling Company		
Clay, silt, and sand	22	22
Sand and gravel	45	67
Clay	203	270
Gravel (water)	19	289
(D-8-3)30dba-1		
Log by Jensen Drilling Company		
Clay, brown	7	7
Gravel and boulders	5	12
Clay and gravel	15	27
Clay and sand (water)	91	118
Clay, blue	11	129
Clay and sand	4	133
Clay, blue	24	157
Clay and sand	58	215
Clay, sand, and hardpan	6	221
Clay and sand	42	263
Gravel (water)	22	285
(D-8-3)31ccd-1		
Log by Basin and Range Drilling		
Sand and gravel (water)	35	35
Silt and sand (water)	30	65
Clay, gray	22	87
Silt and sand	18	105
Clay and sand (water)	60	165
Sand and hardpan	7	172
Clay and sand (water)	46	218
Sand and gravel (water)	5	223
Clay, silt, and sand	22	245
Hardpan	5	250
Sand, gravel, and cobbles (water)	25	275
Silt, sand, and gravel	12	287
Clay, silt, and gravel	28	315
Silt and sand (water)	2	317
(D-8-3)32baa-1		
Log by Reda Pump Co.		
Clay	10	10
Gravel	10	20
Sand	22	42
Clay	98	140
Silt (water)	20	160
Sand	55	215

Table 2.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth	Material	Thickness	Depth
(D-8-3)32baa-1—Continued			(D-9-2)26add-1		
Clay	25	240	Log by Binning Drilling Company		
Silt	20	260	Clay	10	10
Hardpan.....	11	271	Clay and gravel	90	100
Sand and gravel (water)	5	276	Clay, gravel, and boulders.....	35	135
(D-9-1)14aad-1			Conglomerate	13	148
Log by Eldon Comer			Clay, gravel, and boulders.....	22	170
Clay	60	60	Conglomerate (water)	10	180
Clay and gravel (water).....	25	85	Clay, gravel, and boulders.....	50	230
Clay	40	125	Conglomerate (water)	8	238
Clay and gravel.....	235	360	Clay, cobbles, and boulders	27	265
(D-9-1)14aad-2			Clay	20	285
Log by Binning Drilling Company			Conglomerate	8	293
Top soil	6	6	Clay and gravel	172	465
Clay and gravel.....	91	97	Conglomerate	58	523
Gravel (water)	3	100	(D-9-2)29cda-1		
Clay, sand, and gravel	47	147	Log by Woodhouse Drilling		
Clay and gravel (water)	173	320	Boulders	20	20
(D-9-2)20ccc-1			Clay and gravel	20	40
Log by Reda Pump Company			Sand and gravel	38	78
Gravel and cobbles	55	55	Gravel (water).....	38	116
Clay and sand.....	35	90	(D-9-2)29dbd-2		
Gravel (water)	20	110	Log by Binning Drilling Company		
Clay and gravel.....	12	122	Silt and gravel.....	5	5
Gravel (water)	3	125	Hardpan.....	15	20
Clay and gravel.....	20	145	Clay, brown	20	40
(D-9-2)24aca-1			Clay and boulders	40	80
Log by Binning Drilling Company			Clay, brown	25	105
Top soil	8	8	Gravel (water).....	15	120
Clay, gravel, and cobbles	32	40	Sand	10	130
Clay, gravel, and boulders.....	40	80	Gravel (water).....	20	150
Clay, gravel, and cobbles	69	149	Clay	15	165
Solid rock	5	154	Boulders (water)	35	200
Clay, gravel, and cobbles	13	167	(D-9-3)5bbd-1		
Solid rock	10	177	Log by Eldon Comer		
Clay and gravel.....	63	240	Top soil	3	3
Clay, gravel, and boulders.....	20	260	Gravel and cobbles	12	15
Clay and gravel.....	13	273	Sand and gravel	18	33
Solid rock	4	277	Clay and sand	227	260
Clay, gravel, and cobbles	23	300	Clay, gravel, and hardpan	30	290
Clay and boulders.....	5	305	Sand, gravel, and cobbles (water).....	50	340
Gravel (water)	10	315	Clay, tan	8	348
Clay and gravel.....	34	349	Clay and gravel	4	352
Solid rock	7	356	Clay	81	433
Clay, gravel, and boulders.....	44	400	Clay and sand	64	497
Clay and cobbles	37	437	Clay and gravel	3	500
Clay and gravel.....	5	442	Sand, gravel, and cobbles	89	589
Solid rock	8	450	Clay, tan	31	620
Clay, brown.....	2	452			

¹Actual location is different from historic records. See footnote, table 1.

Table 3.—Water levels in selected wells

Well number: See figure 1 for explanation of the numbering system for hydrologic-data sites.

Water level: In feet above (-) or below land surface.

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(C-9-1)3ddb-1	07-01-1964	19.0	(C-9-1)4ddc-1	09-08-1964	82.20	(C-9-1)4ddc-1	10-18-1990	81.67
	10-01-1964	16.94	Continued	10-02-1964	82.80	Continued	11-20-1990	81.44
	11-02-1964	18.90		11-05-1964	81.10		12-18-1990	81.29
	12-07-1964	18.65		12-07-1964	80.81		01-22-1991	81.27
	11-02-1965	19.91		02-03-1965	83.94		03-04-1991	81.01
	12-02-1965	18.19		03-02-1965	80.37		03-11-1992	80.86
	11-05-1966	18.53		03-25-1966	81.94			
	12-19-1966	20.20		04-05-1966	81.76	¹ (C-9-1)20cdd-1	03-25-1964	195.1
	12-08-1967	19.28		12-19-1966	84.04		04-29-1964	193.3
	12-21-1968	19.92		03-08-1967	83.00		05-12-1964	194.0
	12-19-1969	21.09		04-05-1967	82.82		06-02-1964	194.2
	12-09-1970	22.00		03-21-1968	83.71		07-01-1964	195.1
	10-11-1971	22.87		03-19-1969	83.87		09-29-1964	203.2
	12-15-1971	20.59		03-20-1970	84.00		10-06-1964	202.3
	10-03-1972	21.13		03-15-1971	84.20		11-06-1964	200.5
	10-14-1973	21.10		03-03-1972	85.42		12-07-1964	199.77
	10-13-1974	21.39		03-14-1973	89.32		03-04-1965	198.40
	03-04-1991	17.08		03-13-1974	85.69		05-18-1965	199.71
				03-11-1975	86.29		06-03-1965	199.1
				03-09-1976	87.34		03-10-1967	207.33
(C-9-1)4ccc-1	03-03-1974	135.00		03-10-1977	86.65		04-05-1967	207.01
	03-11-1975	136.52		03-10-1978	86.32		04-02-1990	199.82
	03-09-1976	137.39		03-12-1979	86.1		03-04-1991	200.34
	03-10-1977	136.67		03-03-1980	86.55			
	03-10-1978	136.74		03-04-1981	86.93	(C-9-1)20ddd-1	02-07-1964	135.60
	03-12-1979	138.79		03-01-1982	87.03		03-11-1964	134.90
	03-03-1980	138.61		03-02-1983	85.24		04-29-1964	134.40
	03-04-1981	138.62		03-10-1984	82.60		05-12-1964	134.40
	09-17-1981	148.26		03-04-1985	81.19		06-02-1964	134.80
	03-01-1982	138.13		03-11-1986	81.54		07-01-1964	135.90
	09-20-1982	139.90		03-02-1987	82.73		08-18-1964	138.20
	03-02-1983	136.04		03-01-1988	81.57		09-04-1964	138.50
	09-21-1983	135.74		12-15-1988	82.26		10-06-1964	139.90
	03-10-1984	133.17		01-23-1989	81.82		11-05-1964	139.20
	09-11-1984	133.24		02-27-1989	81.59		12-07-1964	139.45
	03-04-1985	131.29		03-09-1989	80.90		01-06-1965	139.63
	03-11-1986	131.30		06-22-1989	88.70		02-03-1965	138.81
	09-08-1986	135.05		07-18-1989	84.72		03-02-1965	138.52
	03-02-1987	132.67		08-15-1989	83.16		04-07-1965	138.21
	09-15-1987	133.84		09-15-1989	82.66		05-04-1965	140.79
(C-9-1)4ddc-1	03-01-1988	130.43		10-23-1989	82.27		06-09-1965	140.68
	09-14-1988	135.80		11-17-1989	82.15		07-01-1965	141.39
	03-01-1989	131.09		12-20-1989	81.94		10-15-1965	143.50
	09-15-1989	131.72		02-15-1990	81.53		12-30-1965	145.30
	03-08-1990	129.86		03-08-1990	81.37		03-25-1966	141.73
	03-14-1991	128.76		04-02-1990	81.34		04-05-1966	141.73
	09-10-1991	138.60		05-09-1990	81.13		08-11-1966	147.93
	03-11-1992	130.68		07-05-1990	85.11		12-19-1966	146.73
				08-03-1990	82.82		03-08-1967	145.28
				09-07-1990	82.88			

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(C-9-1)20ddd-1	04-05-1967	144.76	(C-9-1)26bda-3	06-22-1989	-7.0	(C-9-1)28ccb-1	03-02-1987	130.98
Continued	03-21-1968	146.92	Continued	07-18-1989	-6.2	Continued	03-01-1988	133.53
	03-19-1969	152.32		08-15-1989	-5.7		03-03-1989	128.43
	03-20-1970	151.30		09-15-1989	-5.7		03-08-1990	127.79
	09-09-1970	161.48		10-23-1989	-5.7		03-04-1991	127.65
	03-15-1971	157.20		12-20-1989	-5.5		03-11-1992	127.62
	10-06-1971	159.19		04-09-1990	-9.3			
	03-03-1972	155.29		05-09-1990	-7.0	(C-9-1)29acc-1	04-03-1963	205.50
	09-27-1972	161.55					05-10-1963	205.70
	03-14-1973	160.22	(C-9-1)28ccb-1	01-10-1963	126.60		06-10-1963	216.70
	03-13-1974	159.05		02-13-1963	126.50		09-11-1963	214.50
	03-11-1975	159.48		03-14-1963	126.50		10-28-1963	211.20
	03-09-1976	159.45		06-10-1963	129.00		11-14-1963	210.80
	03-10-1977	160.45		10-29-1963	133.00		12-19-1963	210.30
	03-10-1978	161.23		11-14-1963	132.40		01-16-1964	209.90
	03-12-1979	158.70		12-19-1963	131.80		02-24-1964	209.50
	03-04-1980	163.25		01-17-1964	131.10		03-25-1964	209.70
	03-04-1981	149.10		02-24-1964	130.10		04-29-1964	209.20
	03-01-1982	149.72		03-23-1964	130.60		05-12-1964	209.20
	03-02-1983	148.18		04-28-1964	130.20		06-05-1964	213.60
	03-10-1984	143.80		05-11-1964	130.20		09-04-1964	216.60
	03-04-1985	141.72		09-29-1964	136.40		11-06-1964	216.20
	03-11-1986	142.71		10-06-1964	136.20		12-07-1964	217.29
	03-02-1987	140.96		12-07-1964	137.29		03-04-1965	215.40
	03-01-1988	139.75		01-06-1965	135.59		03-29-1966	221.20
	03-09-1989	138.66		02-03-1965	135.34		03-10-1967	222.30
	05-12-1989	138.39		03-02-1965	135.05		04-05-1967	221.86
	06-22-1989	138.74		04-07-1965	134.42		03-21-1968	227.00
	07-18-1989	139.21		06-09-1965	137.55		03-19-1969	228.40
	08-15-1989	139.50		10-15-1965	141.50		03-20-1970	230.34
	10-23-1989	139.76		12-30-1965	148.20		03-15-1971	231.10
	12-20-1989	138.90		03-25-1966	138.13		03-03-1972	235.02
	01-30-1990	138.20		12-19-1966	143.13		03-14-1973	227.95
	03-08-1990	137.94		03-08-1967	142.05		03-13-1974	226.85
	04-02-1990	137.80		04-05-1967	140.60		03-11-1975	228.52
	04-06-1990	137.73		03-21-1968	142.53		03-09-1976	228.16
	06-05-1990	138.32		03-19-1969	142.69		03-10-1977	227.64
	08-03-1990	139.25		03-20-1970	148.32		03-10-1978	227.19
	09-07-1990	139.70		03-14-1973	150.56		03-12-1979	226.59
	10-18-1990	139.64		03-13-1974	139.50		03-04-1980	227.00
	12-18-1990	138.74		03-11-1975	139.25		03-04-1981	227.98
	03-05-1991	137.98		03-09-1976	138.25		03-01-1982	228.37
	09-10-1991	139.42		03-10-1977	138.30		03-02-1983	225.17
	03-11-1992	137.57		03-10-1978	136.30		03-10-1984	220.78
				03-12-1979	135.91		03-04-1985	218.53
				03-04-1980	137.13		03-11-1986	219.59
				03-04-1981	138.67		03-02-1987	217.57
				03-01-1982	139.30		03-01-1988	216.40
				03-02-1983	137.22		03-09-1989	214.97
				03-10-1984	133.94		03-08-1990	214.50
				03-04-1985	132.09		04-02-1990	214.26
				03-11-1986	132.91		03-04-1991	214.28
							03-11-1992	213.37
(C-9-1)26bda-3	04-09-1964	-4.5						
	05-26-1964	-5.0						
	10-09-1964	-5.3						
	03-17-1965	-3.9						
	06-28-1965	-5.3						
	12-13-1988	-7.0						
	05-15-1989	-6.2						

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	WellDate number	Water level
(C-9-1)29bcc-1	05-10-1963	287.0	(C-10-1)4bbb-1	03-19-1969	169.58	(C-10-1)4cbb-1	03-04-1980 138.53
	06-10-1963	287.7	Continued	03-20-1970	161.62	Continued	03-04-1981 148.75
	07-11-1963	288.5		03-03-1972	161.96	03-01-1982 150.06	
	08-12-1963	289.9		03-14-1973	152.24	03-02-1983 149.91	
	09-11-1963	290.7		03-13-1974	149.29	03-10-1984 147.45	
	10-29-1963	292.0		03-11-1975	151.45	03-04-1985 141.20	
	11-14-1963	291.9		03-30-1977	147.16	03-11-1986 141.44	
	12-19-1963	292.0		03-12-1979	148.08	03-02-1987 139.01	
	01-16-1964	291.9		03-04-1980	151.44	03-01-1988 138.41	
	02-24-1964	291.4		03-04-1981	153.57	03-03-1989 138.16	
	03-25-1964	292.0		03-01-1982	155.87	05-12-1989 135.40	
	04-29-1964	291.1		03-02-1983	154.89	03-08-1990 135.28	
	05-12-1964	291.1		03-10-1984	152.22	03-04-1991 135.86	
	06-02-1964	291.13		03-04-1985	150.66	03-11-1992 136.06	
	03-04-1965	296.6		03-11-1986	151.80		
	03-10-1967	304.6		03-02-1987	150.06	¹ (C-10-1)15cca-1	10-30-1964 31.80
	04-06-1967	304.6		03-01-1988	151.13		02-14-1991 28.47
	03-20-1970	309.6		12-15-1988	147.61		03-07-1991 28.29
	03-21-1990	298.64		02-23-1989	147.17		
	04-02-1990	300.10		03-03-1989	147.35	(C-10-1)17bba-1	04-21-1989 265.56
(C-10-1)4bbb-1	07-23-1962	168.30	05-12-1989	146.95		05-16-1989 265.83	
	08-16-1962	172.50	06-22-1989	146.74		06-22-1989 265.93	
	09-14-1962	151.00	07-18-1989	146.93		07-17-1989 266.24	
	10-15-1962	151.50	08-18-1989	146.89		08-16-1989 266.31	
	12-03-1962	150.30	09-15-1989	146.97		09-18-1989 266.41	
	01-10-1963	149.90	11-17-1989	147.17		10-23-1989 266.19	
	02-13-1963	149.80	01-30-1990	146.71		12-18-1989 266.02	
	03-11-1963	150.20	03-08-1990	146.76		01-30-1990 265.69	
	10-28-1963	159.70	05-09-1990	146.70		03-07-1990 265.71	
	11-14-1963	155.60	07-05-1990	147.42		05-09-1990 265.81	
	12-19-1963	154.30	09-07-1990	147.25		07-05-1990 266.42	
	01-17-1964	153.60	11-20-1990	147.18		08-08-1990 266.64	
	02-24-1964	152.90	01-22-1991	147.13		09-07-1990 266.75	
	03-23-1964	152.70	03-05-1991	147.04		10-18-1990 266.93	
	04-28-1964	152.30	03-11-1992	147.15		11-20-1990 266.82	
	05-11-1964	152.40	(C-10-1)4cbb-1			12-18-1990 266.85	
	06-01-1964	152.90		04-10-1962	143.78	01-22-1991 266.99	
	09-04-1964	162.20		03-08-1967	149.82	03-04-1991 266.71	
	10-06-1964	161.20		04-05-1967	151.88	09-10-1991 267.71	
	12-07-1964	165.51		03-21-1968	150.52	03-11-1992 268.04	
	01-06-1965	161.75		03-19-1969	157.17		
	02-03-1965	157.72		03-20-1970	154.38	(C-10-1)17bba-2	02-23-1989 271.90
	03-02-1965	156.01		03-15-1971	153.45		05-16-1989 272.66
	07-01-1965	162.95		03-03-1972	143.52		06-22-1989 265.68
	12-30-1965	163.59		03-14-1973	140.78		07-17-1989 266.03
	03-24-1966	158.51		03-13-1974	142.39		08-16-1989 266.08
	12-19-1966	163.85		03-11-1975	140.06		09-18-1989 266.23
	03-08-1967	161.00		03-09-1976	135.05		10-23-1989 266.00
	04-05-1967	160.46		03-10-1977	134.28		12-18-1989 265.87
	03-21-1968	163.02		03-10-1978	131.78		01-30-1990 265.47
				03-12-1979	134.05		03-07-1990 265.46

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(C-10-1)17bba-2	05-09-1990	265.54	(C-10-1)24ddc-1	12-05-1968	220.78	(C-10-1)24ddc-1	11-20-1990	214.89
Continued	08-08-1990	266.41	Continued	03-19-1969	216.30	Continued	12-18-1990	214.04
	09-07-1990	266.52		03-20-1970	222.70		01-22-1991	213.30
	10-18-1990	266.74		03-15-1971	214.34		03-05-1991	212.54
	11-20-1990	266.65		03-12-1974	212.30		09-10-1991	222.32
	12-18-1990	266.63		03-10-1975	212.60		09-13-1991	223.16
	01-22-1991	266.75		03-08-1976	212.51			
	03-04-1991	266.56		03-09-1977	210.66	¹ (C-10-1)25abd-1	02-04-1964	259.8
	09-10-1991	267.71		08-12-1977	231.63		07-01-1964	263.4
	03-11-1992	267.75		03-10-1978	212.64		08-19-1964	266.8
				08-25-1978	220.10		05-18-1965	295.8
(C-10-1)18ccc-1	01-20-1989	352.16		03-12-1979	212.67		06-10-1965	280.8
	02-23-1989	352.01		09-17-1979	212.70		03-30-1966	252.5
	04-21-1989	351.83		03-03-1980	211.32		03-21-1990	242.82
	05-16-1989	351.91		09-03-1980	217.59		03-05-1991	245.15
	06-22-1989	351.89		03-04-1981	211.09			
	07-17-1989	352.08		09-17-1981	218.80	(C-10-1)30baa-1	09-18-1989	226.10
	09-18-1989	351.99		03-01-1982	212.26		11-17-1989	225.96
	11-17-1989	352.17		09-20-1982	217.27		01-24-1990	225.93
	01-24-1990	352.37		03-02-1983	210.54		02-15-1990	225.71
	03-07-1990	352.27		09-21-1983	211.35		03-07-1990	225.58
	04-05-1990	352.06		03-10-1984	206.60		05-09-1990	225.74
	06-05-1990	352.13		09-11-1984	210.37		06-05-1990	228.67
	08-08-1990	352.49		03-04-1985	205.18			
	09-07-1990	352.69		09-10-1985	212.92	(C-10-1)34bbb-1	03-24-1964	96.1
	10-18-1990	352.97		03-11-1986	206.60		05-14-1964	96.5
	11-19-1990	352.73		09-08-1986	215.02		06-10-1964	96.5
	01-22-1991	353.58		03-02-1987	208.14		07-02-1964	97.4
	03-05-1991	353.46		09-11-1987	218.29		08-19-1964	96.8
	03-11-1992	355.42		03-01-1988	209.65		09-04-1964	96.8
				09-14-1988	219.21		10-09-1964	97.0
(C-10-1)24ddc-1	12-20-1966	217.8		12-12-1988	212.59		12-07-1964	96.70
	01-05-1967	217.28		01-20-1989	211.37		01-06-1965	96.56
	02-05-1967	217.06		03-09-1989	210.59		02-03-1965	96.79
	03-05-1967	216.54		04-21-1989	212.52		03-02-1965	96.82
	04-05-1967	216.29		05-12-1989	217.62		04-07-1965	96.88
	05-05-1967	216.61		06-22-1989	220.28		05-04-1965	97.01
	07-10-1967	219.59		07-17-1989	220.40		06-09-1965	97.33
	08-05-1967	223.15		08-16-1989	220.12		07-01-1965	99.15
	09-05-1967	224.55		09-18-1989	219.98		10-15-1965	95.60
	10-05-1967	222.73		10-23-1989	217.18		03-25-1966	99.58
	11-05-1967	219.22		11-17-1989	214.92		08-29-1966	96.76
	12-05-1967	217.57		12-18-1989	214.25		12-19-1966	99.15
	03-21-1968	215.90		01-24-1990	212.84		03-08-1967	97.47
	04-05-1968	215.3		02-15-1990	212.16		12-08-1967	97.47
	05-05-1968	214.92		03-07-1990	211.93		12-21-1968	97.60
	06-05-1968	216.47		05-09-1990	213.94		12-19-1969	97.53
	07-05-1968	217.31		06-05-1990	215.54		12-20-1970	95.86
	08-05-1968	217.88		07-02-1990	223.73		03-03-1972	90.59
	09-05-1968	222.59		08-08-1990	224.36		12-03-1972	94.59
	10-05-1968	226.26		09-07-1990	222.00		03-09-1973	94.29
	11-05-1968	225.29		10-18-1990	217.98		12-09-1973	98.29

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(C-10-1)34bbb-1	03-12-1974	87.03	(C-11-1)6bdd-1	03-10-1975	259.40	(D-7-2)36dcc-2	12-11-1941	-13.8
Continued	12-12-1974	91.03	Continued	03-09-1976	256.60	Continued	03-27-1942	-15.4
	03-07-1991	89.39		03-10-1977	249.31		06-27-1942	-13.9
				03-19-1990	232.96		12-26-1942	-15.2
(C-10-2)13bcc-1	01-20-1989	161.62		04-06-1990	234.39		03-29-1943	-17.0
	02-24-1989	162.37					12-29-1943	-14.7
	04-21-1989	163.52	(D-7-2)32dad-1	12-12-1980	-32.4		03-24-1944	-15.3
	05-15-1989	164.19		02-26-1981	-32.7		12-27-1944	-14.0
	06-22-1989	164.74		03-09-1982	-33.3		03-30-1945	-15.2
	07-17-1989	165.32		03-04-1991	-22.7		12-17-1945	-16.4
	08-16-1989	165.74					03-07-1946	-17.0
	09-18-1989	166.29	(D-7-2)34dcd-1	09-21-1959	-9.8		12-17-1946	-18.4
	10-23-1989	166.88		04-02-1964	-8.9		04-07-1947	-18.0
	11-17-1989	167.15		05-13-1964	-8.0		12-17-1947	-17.2
	12-18-1989	166.99		08-03-1964	-7.3		03-30-1948	-17.9
	01-24-1990	168.27		10-20-1964	-6.2		12-23-1948	-15.7
	03-07-1990	168.71		03-05-1965	-8.3		03-17-1949	-17.2
	04-05-1990	168.93		06-23-1965	-7.6		12-16-1949	-17.1
	06-05-1990	169.60		03-11-1969	-9.2		03-23-1950	-17.1
	07-05-1990	170.00		03-17-1970	-9.8		12-19-1950	-16.7
	08-08-1990	170.35		03-24-1970	-9.6		04-04-1951	-18.5
	10-18-1990	171.24		03-17-1971	-9.7		12-26-1951	-18.3
	11-20-1990	171.21		03-09-1972	-10.2		04-08-1952	-18.1
	01-22-1991	172.02		03-07-1973	-9.9		12-11-1952	-18.2
	03-05-1991	172.24		03-26-1981	-8.4		04-21-1953	-18.8
				03-12-1982	-9.4		12-08-1953	-15.1
(C-11-1)6bdd-1	04-15-1964	244.68		03-01-1983	-10.4		03-24-1954	-17.4
	05-15-1964	246.50		03-09-1984	-11.0		12-29-1954	-14.5
	06-05-1964	247.10		03-04-1985	-10.9		04-22-1955	-15.3
	07-02-1964	247.60		03-10-1986	-11.3		12-22-1955	-13.8
	08-19-1964	253.00		03-04-1987	-11.0		03-30-1956	-16.9
	09-28-1964	249.70		03-02-1988	-8.8		12-19-1956	-14.9
	10-08-1964	253.60		03-09-1989	-7.1		04-01-1957	-17.2
	11-03-1964	249.40		03-05-1990	-8.7		12-06-1957	-16.5
	12-07-1964	248.63		03-05-1991	-6.6		03-18-1958	-18.1
	03-02-1965	247.68		03-13-1992	-9.1		12-04-1958	-15.3
	05-04-1965	249.73					03-18-1959	-16.3
	06-09-1965	281.53	(D-7-2)36dcc-2	09-07-1938	-13.0		12-24-1959	-14.5
	07-01-1965	277.10		12-12-1938	-13.4		03-23-1960	-15.6
	10-15-1965	267.00		01-30-1939	-14.2		12-09-1960	-14.1
	11-03-1965	257.48		03-17-1939	-15.0		03-23-1961	-15.9
	03-25-1966	250.71		04-13-1939	-15.3		01-05-1962	-14.2
	03-11-1967	256.20		06-13-1939	-15.0		03-06-1962	-14.6
	04-05-1967	255.77		08-03-1939	-11.9		12-06-1962	-15.6
	03-21-1968	258.00		10-17-1939	-12.3		03-12-1963	-16.9
	03-19-1969	258.42		01-04-1940	-15.0		08-27-1963	-10.4
	03-20-1970	257.10		02-28-1940	-16.2		12-16-1963	-15.0
	09-09-1970	271.64		04-13-1940	-16.1		03-11-1964	-15.9
	03-16-1971	254.60		05-02-1940	-17.0		04-09-1964	-14.6
	10-06-1971	261.44		06-17-1940	-13.6		06-01-1964	-15.1
	03-03-1972	254.34		01-21-1941	-14.3		07-09-1964	-13.6
	03-13-1974	249.74		03-18-1941	-15.6		08-03-1964	-12.7

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-7-2)36dcc-2	09-01-1964	-8.6	(D-7-3)28cab-1	03-01-1961	-15.0	(D-7-3)33baa-6	03-24-1944	-8.4
Continued	12-03-1964	-12.1		03-30-1964	-16.4	Continued	12-27-1944	-10.7
	03-01-1965	-15.9		05-12-1964	-17.0		03-29-1945	-9.8
	10-06-1965	-14.4		09-15-1964	-18.5		12-17-1945	-11.7
	12-28-1965	-6.5		06-19-1989	-17.8		03-07-1946	-10.7
	03-24-1966	-6.2		07-19-1989	-17.6		12-17-1946	-11.5
	08-17-1966	-3.4		08-24-1989	-12.4		04-07-1947	-10.6
	12-20-1966	-3.4		09-20-1989	-16.6		12-17-1947	-11.3
	03-27-1967	-6.2		10-26-1989	-16.5		03-30-1948	-10.0
	10-02-1968	-10.9		12-19-1989	-16.1		12-23-1948	-10.9
	03-26-1981	-12.8		01-23-1990	-15.5		03-17-1949	-9.6
	03-11-1982	-13.3		02-13-1990	-15.9		12-16-1949	-11.1
	03-01-1983	-14.8		03-05-1990	-15.7		03-22-1950	-9.9
	03-09-1984	-15.9		04-09-1990	-15.3		12-19-1950	-11.3
	03-04-1985	-16.0		05-10-1990	-15.3		04-04-1951	-9.7
	03-10-1986	-16.3		06-04-1990	-16.2		12-28-1951	-11.3
	03-04-1987	-15.9		07-03-1990	-14.9		04-08-1952	-10.5
	03-03-1988	-14.2		08-02-1990	-15.9		12-11-1952	-17.3
	12-13-1988	-13.0		09-05-1990	-15.5		04-21-1953	-14.0
	01-27-1989	-11.6		10-16-1990	-15.4		12-08-1953	-12.5
	03-01-1989	-12.6		11-19-1990	-15.3		03-24-1954	-11.7
	04-19-1989	-9.8		12-17-1990	-15.3		12-29-1954	-10.0
	05-12-1989	-10.0		01-24-1991	-15.2		04-22-1955	-9.6
	06-20-1989	-10.3		03-04-1991	-14.8		12-22-1955	-9.6
	07-18-1989	-9.0					03-30-1956	-9.2
	08-15-1989	-9.2	(D-7-3)31cac-2	11-02-1964	-11.2		12-19-1956	-9.5
	08-24-1989	-7.9		09-13-1989	-14.3		04-01-1957	-9.9
	09-15-1989	-9.7					12-06-1957	-11.6
	10-23-1989	-10.3	(D-7-3)32bcd-1	12-04-1980	-12.8		03-18-1958	-11.0
	11-14-1989	-11.0		03-26-1981	-11.8		12-04-1958	-13.8
	12-19-1989	-12.2		03-09-1982	-13.5		03-18-1959	-11.9
	01-23-1990	-13.1		02-06-1991	-13.1		12-24-1959	-8.9
	02-12-1990	-12.5		03-04-1991	-13.2		03-23-1960	-8.6
	03-05-1990	-14.1					12-09-1960	-8.7
	04-09-1990	-14.2	(D-7-3)33baa-6	08-31-1935	-6.8		03-23-1961	-7.1
	05-08-1990	-13.8		03-02-1936	-6.4		01-05-1962	-6.8
	06-04-1990	-13.8		10-03-1936	-8.7		03-06-1962	-7.1
	07-03-1990	-10.1		03-03-1937	-7.2		12-06-1962	-9.7
	08-02-1990	-11.9		09-23-1937	-9.0		03-07-1963	-8.9
	09-05-1990	-11.1		05-17-1938	-8.6		08-27-1963	-5.6
	10-18-1990	-12.1		09-14-1938	-9.6		12-16-1963	-7.7
	11-19-1990	-12.3		03-24-1939	-8.0		04-09-1964	-6.2
	12-17-1990	-12.2		09-21-1939	-8.1		05-28-1964	-7.2
	01-24-1991	-12.5		03-16-1940	-8.1		07-09-1964	-7.3
	03-04-1991	-11.4		09-24-1940	-8.2		08-03-1964	-7.4
	03-13-1992	-13.5		03-18-1941	-8.2		09-01-1964	-6.4
				12-10-1941	-10.6		10-05-1964	-7.0
				03-27-1942	-8.8		11-02-1964	-7.7
				06-27-1942	-12.4		12-03-1964	-7.9
				12-26-1942	-11.3		01-05-1965	-8.0
				03-29-1943	-9.7		02-01-1965	-8.3
				12-29-1943	-9.0		03-01-1965	-7.9
(D-7-3)18dcc-1	12-11-1980	-35.5						
	03-26-1981	-33.6						
	03-09-1982	-31.9						
	02-04-1991	-18.8						
	03-05-1991	-18.9						

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-7-3)33baa-6	04-05-1965	-7.7	(D-7-3)33baa-6	09-19-1989	-5.5	(D-7-3)33ccc-5	12-13-1988	-8.5
Continued	05-03-1965	-7.9	Continued	10-24-1989	-5.6	Continued	01-26-1989	-9.9
	06-07-1965	-10.1		11-13-1989	-5.5		03-01-1989	-9.9
	07-02-1965	-11.3		12-19-1989	-6.0		04-18-1989	-8.2
	10-06-1965	-12.0		03-05-1990	-7.0		05-15-1989	-8.7
	12-28-1965	-10.3		03-04-1991	-4.7		06-19-1989	-6.4
	03-24-1966	-8.8		09-12-1991	-4.9		07-19-1989	-5.7
	08-17-1966	-5.3		03-13-1992	-6.2		08-24-1989	-5.3
	10-02-1968	-11.3					09-19-1989	-5.7
	03-11-1969	-10.4	(D-7-3)33ccc-5	03-15-1938	-3.6		10-26-1989	-6.7
	09-03-1969	-11.4		09-25-1938	-8.7		11-14-1989	-6.6
	03-17-1970	-10.7		03-24-1939	-7.2		12-19-1989	-7.6
	09-08-1970	-9.1		09-21-1939	-7.3		01-23-1990	-8.0
	03-17-1971	-9.4		02-29-1940	-7.7		02-13-1990	-8.0
	10-06-1971	-11.7		10-01-1940	-7.1		03-05-1990	-8.3
	03-09-1972	-9.9		06-07-1964	-9.5		04-09-1990	-7.8
	09-26-1972	-7.4		09-01-1964	-5.5		05-10-1990	-5.9
	03-07-1973	-8.9		10-05-1964	-5.9		06-04-1990	-6.4
	09-05-1973	-11.5		03-01-1965	-8.0		07-03-1990	-2.2
	03-07-1974	-11.1		04-05-1965	-8.3		08-02-1990	-2.5
	03-06-1975	-9.8		05-03-1965	-7.9		09-05-1990	-1.8
	08-18-1975	-14.4		06-07-1965	-9.5		10-16-1990	-3.5
	03-04-1976	-11.6		07-02-1965	-10.7		11-19-1990	-4.6
	08-12-1976	-6.2		10-05-1965	-13.8		12-17-1990	-4.7
	03-07-1977	-8.9		12-28-1965	-12.0		01-24-1991	-4.7
	08-10-1977	-3.2		03-24-1966	-10.5		03-04-1991	-5.2
	03-08-1978	-5.5		08-13-1966	-4.2		03-13-1992	-7.1
	08-22-1978	-7.9		12-20-1966	-7.9			
	03-15-1979	-8.3		01-21-1967	-7.6	(D-7-3)33ccc-6	01-21-1967	-21.8
	09-18-1979	-9.7		02-21-1967	-6.2		03-08-1991	-14.3
	03-06-1980	-8.3		03-27-1967	-7.1			
	09-03-1980	-10.6		03-19-1968	-8.1	(D-8-1)2ccd-1	11-01-1988	5.94
	03-02-1981	-9.2		03-11-1969	-11.3		12-12-1988	5.95
	09-03-1981	-6.8		03-24-1970	-12.1		01-23-1989	5.90
	03-02-1982	-9.0		03-17-1971	-10.9		02-24-1989	5.76
	09-20-1982	-14.5		03-09-1972	-10.9		04-19-1989	5.52
	03-01-1983	-12.1		03-12-1973	-10.5		05-12-1989	5.66
	09-21-1983	-17		03-07-1974	-12.2		06-20-1989	5.92
	03-09-1984	-15.4		03-07-1975	-11.7		08-15-1989	6.34
	09-10-1984	-19.4		03-04-1976	-13.4		12-20-1989	6.48
	03-04-1985	-16.5		03-07-1977	-10.2		02-12-1990	6.49
	09-10-1985	-16.4		03-08-1978	-3.5		03-06-1990	6.26
	03-10-1986	-14.2		03-15-1979	-9.1		04-02-1990	6.32
	09-08-1986	-16.5		03-06-1980	-9.2		05-08-1990	6.36
	03-04-1987	-13.9		03-02-1981	-10.6		07-05-1990	6.70
	09-11-1987	-9.9		03-02-1982	-10.2		09-06-1990	7.00
	03-02-1988	-7.3		03-01-1983	-14.1		11-18-1990	7.11
	09-14-1988	-5.8		03-09-1984	-18.0		12-17-1990	7.07
	03-10-1989	-8.6		03-04-1985	-19.0		01-24-1991	7.01
	06-19-1989	-7.3		03-10-1986	-16.3		02-15-1991	7.10
	07-19-1989	-5.0		03-04-1987	-15.9		03-05-1991	6.87
	08-24-1989	-5.0		03-03-1988	-9.8		04-05-1991	6.99

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-1)2ccd-1	05-08-1991	6.92	(D-8-1)10bcb-2	01-23-1990	42.78	(D-8-1)13aaa-1	09-01-1964	-6.6
Continued	06-14-1991	6.80	Continued	02-12-1990	42.60	Continued	10-05-1964	-9.5
	08-12-1991	7.04		03-06-1990	42.30		11-02-1964	-10.9
	09-30-1991	7.01		04-02-1990	42.10		12-03-1964	-11.9
	01-15-1992	6.96		05-08-1990	42.27		09-20-1989	-10.8
	03-13-1992	6.76		06-05-1990	42.80		03-04-1991	-11.3
				07-05-1990	43.02			
(D-8-1)10bcb-1	11-22-1988	14.11		08-03-1990	43.33	(D-8-1)13bdd-1	07-07-1964	-2.0
	12-12-1988	14.28		09-06-1990	43.34		03-05-1991	-1.5
	01-23-1989	14.38		10-18-1990	43.24			
	02-24-1989	14.50		11-19-1990	43.30	(D-8-1)20abb-1	11-01-1988	12.64
	04-19-1989	14.62		12-17-1990	43.31		12-12-1988	12.92
	05-12-1989	14.63		01-24-1991	43.17		01-23-1989	12.88
	06-20-1989	14.68		03-05-1991	43.34		02-24-1989	12.83
	07-18-1989	14.85		07-03-1991	43.47		04-19-1989	11.50
	08-15-1989	14.86		08-21-1991	43.53		05-12-1989	12.65
	09-15-1989	14.99		10-01-1991	43.42		06-20-1989	13.19
	10-23-1989	15.00		01-15-1992	43.35		07-18-1989	13.71
	11-14-1989	15.18					08-15-1989	14.10
	12-20-1989	15.49	(D-8-1)13aaa-1	05-02-1936	-13.4		09-15-1989	14.50
	01-23-1990	15.62		12-01-1936	-13.8		10-23-1989	14.68
	02-12-1990	15.65		03-03-1937	-14.7		11-14-1989	14.67
	03-06-1990	15.78		09-23-1937	-13.0		12-20-1989	14.68
	04-02-1990	15.93		04-06-1938	-18.0		01-23-1990	14.51
	05-08-1990	16.08		09-12-1938	-13.2		02-12-1990	14.41
	06-05-1990	16.14		03-24-1939	-17.3		03-06-1990	14.22
	07-03-1990	16.20		09-21-1939	-15.4		04-02-1990	14.15
	08-03-1990	16.34		03-19-1940	-17.5		05-08-1990	14.17
	09-06-1990	16.50		09-20-1940	-14.0		07-05-1990	14.80
	10-18-1990	16.70		03-18-1941	-16.7		08-03-1990	15.20
	11-19-1990	16.83		11-27-1941	-15.2		09-06-1990	15.67
	12-17-1990	17.00		03-27-1942	-16.2		10-18-1990	16.02
	01-24-1991	17.06		12-26-1942	-14.0		11-19-1990	15.98
	03-05-1991	17.01		03-29-1943	-15.0		01-24-1991	15.75
	07-03-1991	17.07		12-29-1943	-15.8		03-05-1991	15.68
	08-21-1991	17.06		03-24-1944	-16.1			
	10-01-1991	17.02		12-27-1944	-14.6	(D-8-1)23bdd-1	06-09-1937	-7.3
	01-15-1992	17.15		03-30-1945	-14.6		12-13-1988	-11.9
				12-17-1945	-16.3		01-26-1989	-11.9
(D-8-1)10bcb-2	11-22-1988	42.58		03-07-1946	-16.7		03-01-1989	-12.0
	12-12-1988	42.39		12-17-1946	-17.0		04-19-1989	-10.3
	01-23-1989	41.92		04-07-1947	-16.7		05-12-1989	-10.2
	02-24-1989	41.45		12-17-1947	-15.0		06-20-1989	-10.6
	04-19-1989	40.65		03-30-1948	-16.4		07-18-1989	-11.0
	05-12-1989	40.88		12-23-1948	-15.3		08-15-1989	-10.8
	06-20-1989	41.63		03-17-1949	-16.3		08-24-1989	-10.8
	07-18-1989	42.31		12-16-1949	-15.9		09-15-1989	-11.1
	08-18-1989	42.88		03-22-1950	-14.9		10-26-1989	-10.7
	09-15-1989	43.25		12-19-1950	-15.3		11-14-1989	-10.2
	10-23-1989	43.26		04-04-1951	-15.8		12-20-1989	-9.6
	11-14-1989	43.20		12-26-1951	-15.6		01-23-1990	-9.4
	12-20-1989	43.07		12-08-1953	-15.5		02-12-1990	-9.5

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-1)23bdd-1	03-06-1990	-10.1	(D-8-2)3aad-1	05-01-1964	-10.0	(D-8-2)4cba-2	04-22-1955	-34.7
Continued	04-02-1990	-9.1		09-15-1989	-15.8	Continued	12-22-1955	-33.4
	05-08-1990	-9.1					03-30-1956	-33.4
	06-05-1990	-9.2	(D-8-2)4abb-1	08-20-1964	-8.8		12-19-1956	-34.2
	07-03-1990	-9.3		09-12-1989	-12.4		04-01-1957	-35.6
	08-03-1990	-9.1		03-05-1991	-14.1		12-06-1957	-35.8
	09-05-1990	-7.9					03-18-1958	-36.7
	10-18-1990	-9.3	(D-8-2)4abc-1	04-06-1964	-12.5		12-04-1958	-35.5
	11-19-1990	-9.3		05-12-1964	-12.7		03-18-1959	-36.5
	12-17-1990	-8.6		08-04-1964	-12.2		12-24-1959	-32.9
	01-24-1991	-9.0		03-05-1965	-12.5		03-23-1960	-35.1
	03-05-1991	-8.0		06-23-1965	-12.7		12-09-1960	-32.6
				09-12-1989	-11.3		03-23-1961	-35.1
(D-8-1)25aba-1	03-24-1967	-12.9					01-05-1962	-28.1
	02-20-1991	-6.6	¹ (D-8-2)4bab-1	03-25-1963	-22.0		03-06-1962	-29.9
	03-05-1991	-6.5		08-20-1964	-15.2		12-06-1962	-28.4
				09-12-1989	-4.4		03-07-1963	-26.3
(D-8-1)25cbb-1	07-21-1964	-15.2					08-27-1963	-17.6
	02-20-1991	-11.0	(D-8-2)4cba-2	03-03-1937	-26.1		12-16-1963	-20.2
	03-04-1991	-11.8		09-23-1937	-24.8		03-11-1964	-21.3
				03-14-1938	-28.1		04-09-1964	-20.6
(D-8-1)36bcc-1	07-21-1964	-15.9		09-27-1938	-24.8		05-28-1964	-19.3
	03-07-1991	-10.9		03-24-1939	-29.4		07-09-1964	-18.9
				09-21-1939	-26.8		08-03-1964	-18.2
(D-8-2)1baa-1	04-08-1964	-11.0		04-12-1940	-29.5		09-01-1964	-17.0
	08-06-1964	-14.6		09-20-1940	-25.8		10-05-1964	-18.4
	08-08-1989	-10.3		03-18-1941	-29.8		11-02-1964	-19.6
				12-29-1941	-27.9		12-03-1964	-19.8
(D-8-2)2caa-1	11-12-1951	-16		03-27-1942	-27.6		01-05-1965	-20.8
	08-06-1964	-16.7		12-26-1942	-29.7		02-02-1965	-21.7
	09-21-1989	-11.6		03-29-1943	-29.9		03-01-1965	-21.7
				12-29-1943	-29.5		04-05-1965	-22.3
(D-8-2)2cda-1	08-06-1964	-6.2		03-24-1944	-30.8		05-03-1965	-19.6
	09-21-1989	-5.5		12-27-1944	-30.7		06-07-1965	-19.8
	03-04-1991	-4.7		03-30-1945	-32.1		07-02-1965	-19.9
				12-17-1945	-31.6		10-21-1965	-20.8
(D-8-2)2daa-1	08-06-1964	-25.8		03-07-1946	-32.5		12-28-1965	-22.1
	04-19-1989	-26.7		12-17-1946	-31.6		03-25-1966	-20.2
	05-16-1989	-24.4		04-07-1947	-34.1		08-23-1966	-18.0
	06-22-1989	-23.6		12-17-1947	-33.3		12-30-1966	-19.7
	07-18-1989	-24.0		03-30-1948	-35.2		01-27-1967	-20.9
	08-15-1989	-22.8		03-17-1949	-34.5		02-10-1967	-20.0
	08-24-1989	-22.5		12-16-1949	-35.1		03-01-1967	-21.0
	09-15-1989	-22.9		03-23-1950	-36.8		03-16-1967	-21.0
	10-23-1989	-23.2		12-19-1950	-35.8		04-13-1967	-21.0
	11-14-1989	-24.6		04-04-1951	-35.0		04-27-1967	-20.6
	12-20-1989	-24.5		12-26-1951	-34.4		03-19-1968	-21.8
	01-23-1990	-24.8		04-09-1952	-35.0		10-02-1968	-20.5
	02-12-1990	-25.1		12-16-1952	-38.1		03-11-1969	-23.4
	03-05-1990	-25.5		04-21-1953	-37.8		09-04-1969	-19.4
	04-02-1990	-25.7		03-24-1954	-37.4		03-24-1970	-22.4
				12-29-1954	-35.1		09-08-1970	-21.1

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-2)4cba-2	03-17-1971	-22.7	(D-8-2)4cba-2	07-03-1990	-11.9	(D-8-2)16caa-1	01-21-1941	-39.8
Continued	10-06-1971	-21.2	Continued	08-03-1990	-13.3	Continued	09-02-1964	-33.5
	03-09-1972	-22.4		09-05-1990	-14.7		10-05-1964	-33.4
	09-26-1972	-20.3		10-18-1990	-14.8		11-02-1964	-34.7
	03-07-1973	-22.5		11-19-1990	-16.6		12-03-1964	-35.8
	09-05-1973	-21.5		03-01-1991	-17.6		01-05-1965	-36.0
	03-08-1974	-25.8		09-10-1991	-14.6		02-02-1965	-36.8
	03-07-1975	-24.6		03-13-1992	-16.3		03-01-1965	-37.4
	03-05-1976	-25.6					04-05-1965	-37.6
	08-13-1976	-16.4	¹ (D-8-2)4cbb-1	04-28-1964	-39.0		05-03-1965	-37.6
	03-08-1977	-22.6		09-15-1989	-6.1		06-07-1965	-37.7
	08-10-1977	-21.2					07-02-1965	-36.7
	03-09-1978	-19.2	(D-8-2)4cdc-4	08-20-1964	-12.7		10-21-1965	-39.6
	08-28-1978	-14.6		03-04-1991	-13.0		12-29-1965	-38.8
	03-15-1979	-23.2					03-25-1966	-38.6
	09-18-1979	-18.8	(D-8-2)4dad-1	04-03-1964	-43.8		08-23-1966	-35.4
	03-05-1980	-21.1		05-19-1964	-43.7		12-20-1966	-36.1
	09-04-1980	-20.9		08-04-1964	-43.7		01-20-1967	-36.4
	03-02-1981	-23.9		10-08-1964	-42.7		02-20-1967	-36.9
	09-03-1981	-19.6		03-08-1965	-45.4		03-27-1967	-37.5
	03-02-1982	-22.1		06-23-1965	-45.2		03-19-1968	-38.4
	09-20-1982	-20.5		09-28-1989	-13.4		10-02-1968	-37.5
	03-01-1983	-23.6					03-11-1969	-41.6
	09-21-1983	-21.0	(D-8-2)7dda-1	03-30-1965	-7.7		09-03-1969	-39.5
	03-09-1984	-23.7		03-04-1991	-4.9		03-15-1970	-42.7
	09-10-1984	-14.2					09-08-1970	-38.7
	03-04-1985	-24.8	(D-8-2)7ddd-1	12-16-1963	-10.9		03-17-1971	-40.7
	09-10-1985	-20.9		03-01-1991	-9.3		10-06-1971	-38.4
	03-10-1986	-24.2					03-10-1972	-40.4
	09-08-1986	-19.1	(D-8-2)10adb-1	09-28-1989	-20.1		09-26-1972	-36.6
	03-04-1987	-23.0		03-01-1991	-19.7		03-08-1973	-40.6
	09-11-1987	-19.5					09-05-1973	-37.8
	03-02-1988	-19.5	(D-8-2)13abc-1	08-30-1961	-22.0		03-08-1974	-42.2
	09-14-1988	-17.9		04-02-1964	-28.1		03-07-1975	-41.4
	12-13-1988	-18.7		05-13-1964	-28.5		03-05-1976	-43.0
	01-26-1989	-20.3		08-25-1964	-18.7		08-13-1976	-36.4
	03-01-1989	-20.3		10-07-1964	-22.5		03-08-1977	-39.5
	04-19-1989	-17.9		03-04-1965	-29.5		08-10-1977	-34.2
	05-12-1989	-17.6		06-22-1965	-26.6		03-09-1978	-37.4
	06-20-1989	-16.5		09-28-1989	-18.4		08-23-1978	-33.8
	07-18-1989	-15.8					03-15-1979	-38.9
	08-15-1989	-15.9	(D-8-2)14cad-1	09-02-1964	-4.5		09-17-1979	-35.1
	08-24-1989	-15.3		02-20-1990	-3.4		03-05-1980	-38.7
	09-15-1989	-15.5		03-05-1991	-3.5		09-04-1980	-36.3
	10-23-1989	-15.5					03-03-1981	-39.4
	11-14-1989	-16.1	(D-8-2)16caa-1	04-13-1937	-37.3		09-03-1981	-35.9
	12-19-1989	-16.2		09-23-1937	-32.4		03-02-1982	-37.8
	01-23-1990	-16.4		04-06-1938	-41.9		09-20-1982	-39.6
	03-05-1990	-17.0		09-13-1938	-36.0		03-03-1983	-42.3
	04-02-1990	-16.7		03-24-1939	-39.2		09-21-1983	-44
	05-08-1990	-14.7		10-13-1939	-35.7		03-09-1984	-47.4
	06-04-1990	-14.7		04-04-1940	-40.6		09-10-1984	-48.4

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-2)16caa-1	03-05-1985	-50.1	(D-8-2)21ddd-1	04-02-1964	-18.4	(D-8-2)25dac-3	06-20-1989	37.27
Continued	09-10-1985	-46.0		05-18-1964	-17.5	Continued	07-17-1989	40.07
	03-10-1986	-47.0		09-15-1964	-14.8		08-16-1989	41.51
	09-08-1986	-41.1		03-24-1965	-18.5		09-19-1989	40.18
	03-04-1987	-44.2		06-24-1965	-19.2		10-24-1989	39.10
	09-11-1987	-37.4		10-02-1989	-12.5		11-13-1989	37.20
	03-02-1988	-38.0					12-19-1989	35.89
	09-14-1988	-32.1	(D-8-2)22cdc-1	09-15-1964	-15.2		01-25-1990	35.60
	12-13-1988	-31.0		07-19-1989	-15.1		02-13-1990	35.32
	01-26-1989	-36.4		03-04-1991	-15.4		03-06-1990	35.44
	03-01-1989	-36.3					04-09-1990	36.38
	04-19-1989	-33.8	(D-8-2)22cdc-2	09-15-1964	-11.4		05-08-1990	38.29
	05-12-1989	-32.4		07-19-1989	-7.8		06-04-1990	38.79
	06-20-1989	-29.9		03-04-1991	-10.9		07-03-1990	41.87
	07-18-1989	-29.0					08-02-1990	43.70
	08-15-1989	-28.3	(D-8-2)24bdc-2	03-25-1963	-12.0		09-04-1990	43.56
	09-15-1989	-28.3		04-08-1964	-9.7		10-22-1990	40.45
	10-26-1989	-28.9		05-20-1964	-9.3		11-19-1990	39.15
	11-14-1989	-29.3		09-17-1964	-3.7		12-18-1990	38.65
	12-19-1989	-28.3		03-17-1965	-11.4		01-23-1991	38.88
	01-23-1990	-32.9		06-24-1965	-6.6		03-05-1991	38.42
	02-12-1990	-33.1		08-17-1989	-1.5		09-12-1991	43.76
	03-05-1990	-33.7					03-12-1992	37.47
	04-02-1990	-33.4	(D-8-2)25dac-3	08-15-1961	30.00			
	06-04-1990	-32.6		03-19-1970	28.17	(D-8-2)26aad-3	03-25-1964	38.1
	07-03-1990	-29.6		03-17-1971	29.88		05-22-1964	37.2
	08-03-1990	-27.7		10-12-1971	30.14		09-17-1964	43.9
	09-05-1990	-27.2		03-06-1972	31.02		10-14-1964	42.1
				03-08-1973	30.90		03-22-1965	39.9
(D-8-2)16dbb-2	09-02-1964	-5.0		03-11-1974	26.24		07-01-1965	39.8
	03-04-1991	-4.2		03-07-1975	26.80		01-31-1991	35.80
				03-05-1976	26.13		03-06-1991	35.45
(D-8-2)17ada-1	09-03-1964	-6.3		03-08-1977	29.54			
	03-01-1991	-5.4		03-09-1978	34.48	(D-8-2)26abb-3	09-23-1964	-2.9
				03-15-1979	32.06		03-04-1991	-3.9
(D-8-2)17ccc-2	04-03-1964	-20.6		03-05-1980	34.40			
	05-19-1964	-19.7		03-03-1981	30.20	(D-8-2)27acd-1	09-23-1964	-2.5
	07-23-1964	-17.3		03-02-1982	31.24		02-20-1991	-5.2
	09-03-1964	-15.4		03-03-1983	24.24		03-05-1991	-5.2
	10-08-1964	-18.9		03-12-1984	16.51			
	03-08-1965	-20.8		03-05-1985	14.38	(D-8-2)28cbd-3	11-04-1944	-4
	06-24-1965	-17.4		03-10-1986	19.95		09-25-1964	-5.7
	08-17-1989	-8.5		03-02-1987	22.74		07-31-1989	-6.6
				03-02-1988	28.72			
(D-8-2)19add-1	09-03-1964	-13.8		11-02-1988	35.15	(D-8-2)28cca-2	09-25-1964	-1.0
	03-01-1991	-12.6		12-14-1988	33.21		03-01-1991	-4.1
				01-17-1989	32.76			
(D-8-2)20cad-2	03-28-1967	-10.7		02-23-1989	33.85	(D-8-2)29aaa-7	09-27-1957	-12.0
	03-01-1991	-2.7		03-03-1989	33.51		09-25-1964	-11.9
				04-18-1989	35.13		11-02-1964	-12.7
(D-8-2)21aaa-1	03-03-1937	-25.6		05-15-1989	35.77		12-03-1964	-12.8
	09-14-1964	-20.0						
	08-28-1989	-6.8						

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-2)29aaa-7	01-05-1965	-13.1	(D-8-2)31cdb-1	08-04-1964	-6.3	(D-8-2)31cdb-2	01-23-1990	-29.7
Continued	02-02-1965	-13.8		09-01-1964	-5.8	Continued	03-06-1990	-29.9
	03-01-1965	-14.2		10-01-1964	-5.8		11-19-1990	-28.9
	04-05-1965	-14.1		11-02-1964	-6.5		12-17-1990	-28.9
	05-03-1965	-13.2		12-03-1964	-6.5		01-24-1991	-28.8
	06-07-1965	-12.0		01-05-1965	-7.2		03-07-1991	-30.2
	10-21-1965	-14.8		02-02-1965	-7.2		03-12-1992	-28.8
	12-30-1965	-16.2		03-01-1965	-7.7			
	03-25-1966	-14.2		04-05-1965	-7.8	(D-8-2)34acd-1	06-20-1946	-3.0
	04-13-1966	-14.5		05-03-1965	-8.0		09-28-1964	-3.7
	08-23-1966	-12.1		06-07-1965	-7.4		07-31-1989	-4.4
	03-24-1967	-14.9		07-02-1965	-7.9		03-05-1991	-7.4
	03-19-1968	-16.3		10-21-1965	-8.9			
	03-11-1969	-16.1		12-29-1965	-9.5	(D-8-2)34dda-1	09-29-1964	-12.4
	03-24-1970	-16.4		03-25-1966	-8.5		11-03-1964	-13.3
	03-18-1971	-16.1		08-24-1966	-6.8		12-04-1964	-13.9
	03-10-1972	-16.0		12-20-1966	-7.2		01-05-1965	-14.6
	03-07-1973	-14.0		03-24-1967	-8.8		02-02-1965	-14.5
	03-11-1974	-16.0		03-20-1968	-8.2		03-01-1965	-14.9
	03-07-1975	-14.0		03-21-1969	-8.4		04-05-1965	-14.7
	03-05-1976	-12.1		03-24-1970	-15.3		05-03-1965	-14.5
	03-08-1977	-11.6		08-18-1971	-13.3		06-07-1965	-14.2
	03-09-1978	-9.4		03-11-1972	-15.4		07-02-1965	-13.6
	03-15-1979	-11.2		03-08-1973	-14.6		10-20-1965	-15.0
	03-05-1980	-7.8		03-11-1974	-12.9		12-29-1965	-15.0
	03-03-1981	-9.1		03-10-1975	-10.9		03-25-1966	-14.3
	03-02-1982	-8.7		03-08-1976	-8.3		04-18-1966	-14.8
	03-03-1983	-11.0		08-09-1989	-5.6		08-23-1966	-10.9
	03-09-1984	-10.6		04-09-1990	-13.0		03-24-1967	-15.0
	03-05-1985	-10.8		05-08-1990	-7.2		03-20-1968	-15.8
	03-10-1986	-10.6		06-05-1990	-5.6		03-17-1969	-17.1
	03-04-1987	-9.2		07-03-1990	-5.6		03-24-1970	-18.7
	03-02-1988	-7.3		08-03-1990	-5.6		03-18-1971	-17.4
	03-10-1989	-7.9		09-05-1990	-5.0		03-10-1972	-17.3
	03-06-1990	-7.5		10-18-1990	-7.1		03-08-1973	-18.0
	03-05-1991	-6.9		11-19-1990	-14.3		03-11-1974	-18.0
	03-12-1992	-6.6		12-17-1990	-14.2		03-07-1975	-18.1
				01-24-1991	-14.3		03-05-1976	-16.8
(D-8-2)29bcd-2	04-06-1964	-24.0		03-07-1991	-15.0		03-08-1977	-13.8
	05-19-1964	-24.4		09-10-1991	-5.9		03-15-1979	-14.9
	09-25-1964	-22.7		03-12-1992	-14.8		03-05-1980	-13.7
	10-08-1964	-22.9					03-03-1981	-15.5
	03-08-1965	-24.4	(D-8-2)31cdb-2	09-27-1968	-18		03-02-1982	-15.7
	06-24-1965	-23.7		03-12-1970	-31.7		03-03-1983	-16.2
	08-17-1989	-19.6		03-18-1971	-31.3		03-12-1984	-17.6
				03-11-1972	-29.4		03-05-1985	-18.9
(D-8-2)29cab-1	09-25-1964	-25.3		03-08-1973	-28.4		03-10-1986	-17.7
	08-17-1989	-22.0		03-11-1974	-30.2		03-04-1987	-15.8
	03-04-1991	-26.4		03-10-1975	-29.8		12-13-1988	-9.8
				03-08-1976	-30.7		01-26-1989	-13.2
(D-8-2)31cbb-1	09-28-1964	-12.5		11-14-1989	-30.0		03-01-1989	-13.4
	08-01-1989	-14.4						
	08-28-1989	-14.8						

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-2)34dda-1	04-18-1989	-9.9	(D-8-3)8abd-1	05-15-1989	7.00	(D-8-3)14acc-1	10-20-1965	165.1
Continued	05-15-1989	-9.0	Continued	06-22-1989	12.59	Continued	12-28-1965	165.62
	06-20-1989	-8.3		07-17-1989	10.14		03-23-1966	168.00
	07-18-1989	-6.5		08-16-1989	12.97		04-13-1966	168.82
	08-16-1989	-5.9		09-19-1989	12.21		08-25-1966	175.52
	09-19-1989	-6.5		10-24-1989	11.25		02-21-1967	172.56
	10-26-1989	-6.5		11-13-1989	7.23		03-27-1967	172.34
	11-14-1989	-8.1		12-19-1989	5.23		12-15-1988	170.76
	12-19-1989	-8.4		01-23-1990	4.77		01-17-1989	169.82
	02-13-1990	-10.5		02-13-1990	4.46		02-23-1989	170.53
	03-09-1990	-11.0		03-06-1990	4.31		04-18-1989	171.48
				04-09-1990	5.37		05-15-1989	171.47
(D-8-2)36dbd-3	09-29-1964	6.9		05-08-1990	8.68		06-19-1989	172.27
	02-06-1991	9.6		06-04-1990	10.02		08-24-1989	175.46
	03-06-1991	9.1		07-02-1990	13.18		10-24-1989	174.41
				08-02-1990	14.05		01-23-1990	172.18
((D-8-3)5bca-1	11-04-1964	-14.5		09-04-1990	14.05		03-06-1990	172.39
	09-14-1989	-7.0		10-16-1990	8.96		04-09-1990	172.86
	03-04-1991	-9.7		11-19-1990	7.30		05-31-1990	175.23
				12-17-1990	6.73		08-02-1990	179.75
(D-8-3)7abc-1	08-03-1989	-16.0		01-23-1991	6.55		09-05-1990	180.70
	03-04-1991	-23.5		03-04-1991	6.14		10-22-1990	178.84
				03-13-1992	5.35		11-19-1990	177.49
(D-8-3)8abd-1	03-26-1964	6.41					01-23-1991	177.36
	05-13-1964	6.40	(D-8-3)11caa-1	06-19-1989	180.39		03-05-1991	177.05
	10-14-1964	10.5		07-19-1989	182.5		09-13-1991	178.60
	03-05-1965	6.3		09-19-1989	184.50		03-13-1992	175.37
	06-30-1965	8.6		11-13-1989	182.60	(D-8-3)14bab-1	10-09-1989	146.45
	03-19-1967	6.15		01-23-1990	181.19		10-31-1989	145.93
	03-19-1968	6.05		02-14-1990	181.39		11-24-1989	145.02
	03-08-1969	4.56		03-05-1990	181.67		12-22-1989	144.85
	03-19-1970	3.83		05-08-1990	182.65			
	03-07-1971	4.47		07-02-1990	185.08	(D-8-3)17ada-1	04-13-1965	23.60
	03-08-1973	2.95		10-22-1990	187.76		02-25-1991	24.11
	03-11-1974	2.95		12-17-1990	185.67		03-07-1991	24.43
	03-10-1975	5.43		03-05-1991	185.60			
	03-05-1976	3.39				(D-8-3)17cdc-2	03-23-1964	143.70
	03-09-1977	4.46	(D-8-3)11ccc-1	06-08-1965	138.13		03-05-1991	142.22
	03-09-1978	5.60		07-02-1965	136.42			
	03-15-1979	4.34		03-27-1967	143.50	(D-8-3)18aaa-3	03-07-1991	-2.1
	03-06-1980	4.45		02-04-1991	137.00			
	03-02-1981	3.17		03-06-1991	140.00	(D-8-3)19ccd-1	04-13-1965	-2.7
	03-02-1982	3.67					02-26-1991	-6.7
	03-03-1983	.65	(D-8-3)11ccc-2	01-30-1991	45.05		03-04-1991	-6.4
	03-09-1984	flowing		03-07-1991	46.16			
	03-04-1985	flowing	(D-8-3)14acc-1	08-19-1963	165.30	¹ (D-8-3)22cbd-3	01-08-1962	180
	03-10-1986	flowing		04-01-1964	171.0		02-13-1962	175.5
	03-04-1987	flowing		05-12-1964	171.4		03-14-1962	175.4
	03-02-1988	2.32		10-14-1964	171.1		04-11-1962	175.4
	03-02-1989	3.98		03-19-1965	169.7		04-03-1964	176.1
	04-19-1989	4.94		06-30-1965	167.0		05-12-1964	176.1

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-3)22cbd-3	10-14-1964	176.3	(D-8-3)27adc-2	07-31-1989	159.41	(D-8-3)34bab-1	10-05-1966	161.44
Continued	12-04-1964	175.7	Continued	08-30-1989	160.15	Continued	11-15-1966	159.44
	03-19-1965	173.9		09-29-1989	160.71		12-15-1966	158.52
	06-30-1965	172.1		10-31-1989	160.58		01-10-1967	158.48
	03-06-1991	179.88		11-24-1989	160.32		02-05-1967	158.11
				12-26-1989	160.17		03-05-1967	158.41
				03-08-1991	165.40		04-05-1967	158.01
(D-8-3)26bcd-1	03-30-1989	175.64					05-05-1967	158.28
	06-28-1989	177.89	(D-8-3)27bad-1	10-31-1989	151.52		07-10-1967	158.63
	07-31-1989	178.22		11-24-1989	149.61		08-05-1967	159.07
	06-30-1989	178.91		12-22-1989	148.76		09-05-1967	159.03
	09-29-1989	179.47		03-08-1991	149.39		10-05-1967	157.82
	10-31-1989	179.91					11-05-1967	156.91
	11-24-1989	180.54	(D-8-3)27bad-2	01-05-1990	180.29		12-05-1967	156.15
	12-22-1989	180.91		03-08-1991	185.36		01-05-1968	155.80
	03-08-1991	189.04					02-05-1968	155.85
(D-8-3)26cbd-1	07-31-1989	222.45	(D-8-3)30dba-1	05-24-1989	114.46		03-05-1968	155.48
	08-30-1989	223.02		03-06-1991	113.73		04-05-1968	155.60
	09-29-1989	223.68					05-05-1968	155.30
	10-31-1989	223.88	(D-8-3)33cac-1	10-15-1964	58.00		06-05-1968	154.67
	11-24-1989	224.29		03-07-1991	62.41		07-05-1968	157.65
	12-22-1989	224.77					08-05-1968	156.25
	03-08-1991	231.16	(D-8-3)34bab-1	11-13-1961	153.50		09-05-1968	154.85
				12-06-1961	153.50		10-05-1968	153.38
(D-8-3)26cbd-2	03-29-1989	34.72		01-22-1962	153.40		11-05-1968	152.72
	06-29-1989	36.69		02-14-1962	154.20		12-05-1968	151.89
	07-31-1989	36.96		03-14-1962	154.50		01-05-1969	151.51
	08-30-1989	37.22		04-11-1962	154.50		02-05-1969	151.10
	09-29-1989	37.46		03-27-1964	161.20		03-05-1969	151.01
	10-31-1989	37.36		04-22-1964	160.68		04-05-1969	150.64
	11-24-1989	37.02		05-21-1964	160.70		05-05-1969	150.02
	12-21-1989	36.58		07-23-1964	164.20		06-05-1969	149.80
	03-08-1991	36.13		10-14-1964	163.10		07-05-1969	148.80
				12-04-1964	161.29		08-05-1969	150.00
(D-8-3)26cca-2	03-29-1989	20.43		01-05-1965	160.36		09-05-1969	149.00
	06-29-1989	21.32		02-01-1965	160.09		10-05-1969	148.52
	07-31-1989	21.67		03-03-1965	159.44		11-05-1969	147.21
	08-30-1989	22.06		04-06-1965	159.05		12-20-1969	147.19
	09-28-1989	22.49		05-03-1965	158.81		01-05-1970	147.22
	10-31-1989	22.77		06-08-1965	157.86		02-05-1970	147.40
	11-24-1989	22.72		07-02-1965	158.08		03-05-1970	147.57
	12-21-1989	22.70		10-20-1965	155.82		04-05-1970	148.28
	03-08-1991	21.86		12-29-1965	154.05		05-05-1970	148.69
				01-25-1966	154.37		06-05-1970	149.30
(D-8-3)27adc-1	10-10-1989	90.13		02-15-1966	154.38		07-05-1970	149.19
	10-31-1989	90.62		03-10-1966	154.31		08-05-1970	150.38
	11-24-1989	91.05		04-05-1966	154.83		09-05-1970	155.05
	12-22-1989	91.34		05-05-1966	155.35		10-05-1970	150.50
	03-08-1991	96.57		06-05-1966	155.70		11-05-1970	150.06
				07-05-1966	163.48		12-05-1970	150.09
(D-8-3)27adc-2	03-30-1989	156.15		08-05-1966	161.58		01-05-1971	149.80
	06-28-1989	158.59		09-10-1966	162.35		02-05-1971	149.57

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-3)34bab-1	03-05-1971	149.57	(D-8-3)34bab-1	07-05-1975	144.45	(D-8-3)34bab-1	11-05-1979	147.85
Continued	04-05-1971	150.83	Continued	08-05-1975	144.65	Continued	12-05-1979	147.10
	05-15-1971	150.15		09-05-1975	145.42		01-05-1980	146.77
	06-05-1971	150.38		10-05-1975	143.30		02-05-1980	146.69
	07-05-1971	152.04		11-05-1975	142.37		03-05-1980	146.59
	08-05-1971	153.30		12-05-1975	141.11		04-05-1980	146.73
	09-05-1971	152.53		01-05-1976	141.94		05-05-1980	146.09
	10-05-1971	150.94		02-05-1976	141.69		06-05-1980	146.02
	11-05-1971	149.05		03-05-1976	142.31		07-05-1980	146.02
	12-05-1971	148.58		04-05-1976	142.25		08-05-1980	146.44
	01-05-1972	148.52		05-05-1976	142.59		09-05-1980	145.45
	02-05-1972	148.54		06-05-1976	145.20		10-05-1980	144.37
	03-05-1972	149.41		07-05-1976	146.62		11-05-1980	143.31
	04-05-1972	148.88		08-05-1976	148.12		12-05-1980	143.16
	05-05-1972	149.14		09-05-1976	149.93		01-05-1981	143.42
	06-05-1972	151.38		10-05-1976	148.15		02-05-1981	143.84
	07-05-1972	153.36		11-05-1976	146.60		03-05-1981	144.21
	08-05-1972	154.98		12-05-1976	145.90		04-05-1981	144.83
	09-05-1972	153.72		01-05-1977	145.90		05-05-1981	145.23
	10-05-1972	153.11		02-05-1977	145.91		06-05-1981	145.24
	11-05-1972	151.58		03-05-1977	146.18		07-05-1981	146.96
	12-05-1972	150.88		04-05-1977	145.74		08-05-1981	149.56
	01-05-1973	150.85		05-05-1977	147.30		09-05-1981	148.34
	02-05-1973	150.70		06-05-1977	148.41		10-05-1981	147.70
	03-05-1973	150.37		07-05-1977	154.47		11-05-1981	146.33
	04-05-1973	150.47		08-05-1977	152.67		12-05-1981	146.15
	05-05-1973	150.00		09-05-1977	152.91		01-05-1982	146.05
	06-05-1973	150.76		10-05-1977	153.01		02-05-1982	146.51
	07-05-1973	151.85		11-05-1977	151.45		03-05-1982	146.53
	08-05-1973	150.63		12-05-1977	151.00		04-05-1982	146.56
	09-05-1973	150.51		01-05-1978	150.73		05-05-1982	146.09
	10-05-1973	148.62		02-05-1978	150.48		06-05-1982	144.62
	11-05-1973	147.61		03-05-1978	150.34		07-05-1982	144.45
	12-05-1973	147.02		04-05-1978	150.77		08-05-1982	143.79
	01-05-1974	146.48		05-05-1978	150.21		09-05-1982	143.21
	02-05-1974	146.10		06-05-1978	150.08		03-10-1983	139.47
	03-05-1974	146.03		07-05-1978	152.68		03-04-1985	124.22
	04-05-1974	146.11		08-05-1978	152.83		03-10-1986	130.40
	05-05-1974	146.09		09-05-1978	152.42		03-02-1987	126.81
	06-05-1974	146.94		10-05-1978	149.70		03-02-1988	135.79
	07-05-1974	147.83		11-05-1978	148.51		11-02-1988	143.39
	08-05-1974	149.16		12-05-1978	147.77		12-14-1988	141.98
	09-05-1974	148.78		01-05-1979	147.85		01-17-1989	142.16
	10-05-1974	147.84		02-05-1979	147.77		02-23-1989	143.09
	11-05-1974	146.40		03-05-1979	148.05		03-03-1989	142.99
	12-05-1974	145.28		04-05-1979	147.98		04-18-1989	144.26
	01-05-1975	144.76		05-05-1979	147.93		05-15-1989	144.91
	02-05-1975	144.67		06-05-1979	149.00		06-19-1989	145.52
	03-05-1975	144.55		07-05-1979	150.87		07-19-1989	149.10
	04-05-1975	145.08		08-05-1979	151.28		08-16-1989	148.64
	05-05-1975	145.26		09-05-1979	149.43		09-19-1989	148.07
	06-05-1975	144.94		10-05-1979	149.07		10-24-1989	147.02

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-8-3)34bab-1	11-13-1989	145.84	(D-9-1)11baa-1	08-02-1990	59.77	(D-9-1)14aad-2	03-14-1990	26.40
Continued	12-19-1989	143.98	Continued	09-05-1990	58.59		03-21-1990	26.39
	01-25-1990	142.24		10-18-1990	58.83		10-18-1990	29.50
	02-14-1990	141.39		11-19-1990	59.68		11-19-1990	28.49
	03-06-1990	141.07		12-17-1990	60.48		12-17-1990	28.60
	04-09-1990	140.99		01-23-1991	61.31		01-23-1991	28.70
	07-02-1990	146.40		03-06-1991	62.10			
	08-03-1990	147.93				(D-9-1)14ddd-1	10-15-1964	34.70
	09-05-1990	147.11	(D-9-1)14aad-1	01-06-1965	60.02		01-31-1991	30.58
	10-22-1990	146.09		02-01-1965	59.77		03-06-1991	30.60
	11-19-1990	144.99		03-02-1965	59.48			
	12-17-1990	144.28		04-05-1965	59.37	(D-9-1)23ada-1	11-14-1961	24.20
	01-22-1991	143.44		05-03-1965	59.16		12-21-1961	24.50
	03-06-1991	142.75		06-08-1965	65.15		01-18-1962	24.70
	09-10-1991	147.47		07-01-1965	66.90		03-05-1962	24.80
	03-19-1992	144.98		10-21-1965	57.06		04-03-1962	24.80
				12-30-1965	56.00		05-15-1962	25.20
(D-8-3)34bbb-1	06-02-1989	72.52		03-23-1966	55.95		06-05-1962	24.90
	07-19-1989	75.13		04-11-1966	56.68		09-10-1962	27.30
	09-18-1989	74.93		12-19-1966	57.24		10-18-1962	25.40
	10-24-1989	74.07		03-30-1967	57.34		11-15-1962	24.20
	11-13-1989	73.12		03-20-1968	56.25		12-28-1962	23.10
	12-19-1989	71.73		03-20-1969	55.46		01-30-1963	22.50
	01-25-1990	70.32		03-19-1970	55.78		02-26-1963	22.10
	02-14-1990	69.66		03-16-1971	55.89		03-22-1963	22.50
	03-06-1990	69.41		03-06-1972	55.14		03-26-1964	27.25
	04-09-1990	69.25		03-09-1973	57.49		05-15-1964	26.90
	05-10-1990	69.98		03-12-1974	56.81		06-01-1964	27.2
	06-04-1990	70.73		03-10-1975	58.74		10-12-1964	28.30
	07-02-1990	72.81		03-08-1976	57.86		12-04-1964	26.77
	08-02-1990	74.18		03-09-1977	63.23		01-06-1965	25.97
	09-05-1990	74.38		03-09-1978	61.00		02-01-1965	25.56
	10-22-1990	73.52		03-21-1979	59.94		04-05-1965	24.68
	11-19-1990	72.55		03-05-1980	59.12		05-03-1965	24.45
	12-17-1990	72.01		03-03-1981	57.54		10-21-1965	22.05
	01-23-1991	71.42		03-01-1982	58.37		12-30-1965	20.27
	03-06-1991	70.87		03-02-1983	55.20		03-23-1966	19.49
	09-12-1991	74.43		03-12-1984	53.22		04-11-1966	19.34
	03-13-1992	72.38		03-04-1985	53.75		04-12-1966	19.57
				03-11-1986	54.87		08-24-1966	26.03
(D-9-1)11acc-2	06-20-1989	69.74		03-02-1987	55.40		12-19-1966	22.08
	03-06-1991	77.79		03-01-1988	57.49		03-25-1967	22.02
				03-03-1989	58.66		03-20-1968	16.77
(D-9-1)11baa-1	01-23-1989	59.93		03-06-1990	57.22		03-18-1969	12.20
	06-20-1989	58.98		10-18-1990	57.35		03-19-1970	11.85
	09-18-1989	57.05		11-19-1990	56.74		03-16-1971	12.30
	11-14-1989	58.17		12-17-1990	57.04		03-06-1972	11.87
	02-14-1990	60.33		01-23-1991	57.37		03-09-1973	18.12
	03-06-1990	60.72		03-06-1991	57.57		03-12-1974	9.28
	04-09-1990	61.28		09-10-1991	65.90		03-10-1975	15.09
	05-08-1990	61.77		03-12-1992	57.24		03-08-1976	11.45
	06-04-1990	61.89					03-09-1977	17.49

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-9-1)23ada-1	03-09-1978	24.39	(D-9-1)25ada-3	06-08-1965	-9.0	(D-9-1)26aab-1	03-08-1976	47.20
Continued	03-15-1979	17.58	Continued	07-01-1965	-10.7	Continued	03-09-1977	54.93
	03-05-1980	16.75		10-21-1965	-10.8		03-09-1978	63.60
	03-03-1981	10.78		12-30-1965	-12.3		03-15-1979	55.58
	03-01-1982	15.76		03-28-1966	-10.2		03-05-1980	54.70
	03-02-1983	5.88		08-24-1966	-7.7		03-03-1981	46.37
	03-12-1984	2.70		03-28-1967	-8.0		03-01-1982	53.49
	03-04-1985	3.59		03-20-1968	-10.6		03-02-1983	40.78
	03-11-1986	7.35		03-18-1969	-13.7		03-12-1984	33.38
	03-02-1987	6.63		03-24-1970	-14.4		03-04-1985	33.28
	03-01-1988	11.58		03-18-1971	-14.8		03-11-1986	40.39
	03-03-1989	15.53		03-11-1972	-15.0		03-02-1987	38.82
	03-06-1990	19.29		07-20-1989	-12.8		03-01-1988	47.45
	03-06-1991	23.04					11-22-1988	51.28
	03-12-1992	21.60	(D-9-1)26aab-1	11-14-1961	63.50		12-14-1988	51.42
				12-21-1961	63.90		01-23-1989	52.02
(D-9-1)23daa-1	10-14-1964	44.80		01-18-1962	63.70		02-24-1989	52.36
	03-06-1991	39.71		03-05-1962	64.20		03-03-1989	52.53
				04-03-1962	64.40		04-19-1989	52.82
¹ (D-9-1)24acb-1	10-14-1964	7.20		06-05-1962	65.60		05-16-1989	53.30
	03-08-1991	3.41		09-10-1962	67.30		06-20-1989	54.91
				10-18-1962	65.10		07-17-1989	56.22
(D-9-1)25ada-1	12-02-1937	-14.4		11-15-1962	64.00		08-18-1989	57.19
	12-21-1937	-13.6		12-28-1962	62.30		09-18-1989	58.46
	02-25-1938	-11.6		01-30-1963	61.70		10-25-1989	56.89
	04-06-1938	-10.9		02-26-1963	61.30		11-14-1989	56.93
	06-02-1938	-10.4		03-22-1963	61.50		12-18-1989	56.85
	08-26-1938	-13.7		05-15-1964	66.70		01-23-1990	57.06
	10-09-1938	-13.4		10-12-1964	68.70		02-14-1990	57.01
	12-23-1938	-14.3		12-04-1964	66.60		03-06-1990	57.21
	03-17-1939	-13.4		01-06-1965	65.49		04-06-1990	57.28
	04-14-1939	-12.8		02-01-1965	65.14		05-08-1990	58.41
	06-19-1939	-10.5		03-02-1965	64.53		06-04-1990	58.64
	08-25-1939	-10.5		04-05-1965	63.81		07-03-1990	59.92
	10-13-1939	-10.7		05-03-1965	63.77		08-03-1990	60.43
	01-04-1940	-10.8		07-01-1965	65.62		09-05-1990	61.41
	07-20-1989	-12.4		10-21-1965	61.21		10-17-1990	62.20
	03-07-1991	-7.6		12-30-1965	58.80		11-19-1990	61.84
				03-23-1966	57.86		12-17-1990	61.88
(D-9-1)25ada-3	04-14-1964	-5.7		04-11-1966	57.82		01-23-1991	61.88
	05-27-1964	-5.4		12-19-1966	61.95		03-06-1991	61.92
	07-09-1964	-6.5		01-18-1967	61.55		03-12-1992	60.28
	08-03-1964	-7.4		02-15-1967	61.33			
	08-31-1964	-6.4		03-18-1967	61.02	(D-9-1)27aca-1	02-14-1967	230.94
	10-01-1964	-5.7		03-20-1968	54.58		03-18-1967	231.14
	11-03-1964	-6.4		03-18-1969	49.00		03-20-1968	230.64
	12-04-1964	-7.0		03-19-1970	48.37		03-20-1969	229.61
	01-06-1965	-7.3		03-16-1971	48.80		03-19-1970	229.00
	02-01-1965	-8.0		03-06-1972	47.81		12-14-1988	228.29
	03-02-1965	-8.0		03-09-1973	56.45		01-23-1989	226.67
	04-05-1965	-7.9		03-12-1974	44.80		02-27-1989	230.87
	05-03-1965	-8.1		03-10-1975	52.02		04-21-1989	227.30

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-9-1)27aca-1	05-16-1989	227.12	(D-9-1)36bbc-1	08-05-1963	112.40	(D-9-1)36bbc-1	01-23-1991	102.55
Continued	06-20-1989	226.72	Continued	09-19-1963	113.80	Continued	03-06-1991	102.20
	07-17-1989	226.80		10-17-1963	110.80		09-12-1991	100.91
	08-24-1989	226.65		11-26-1963	108.20		03-12-1992	100.96
	10-25-1989	226.96		12-18-1963	107.70			
				01-24-1964	107.40	(D-9-1)36cdb-1	10-14-1964	170.10
(D-9-1)32bbd-1	12-12-1988	13.70		04-02-1964	106.50		03-08-1991	167.64
	01-23-1989	14.30		05-14-1964	107.70			
	02-24-1989	14.82		10-06-1964	111.90	(D-9-1)36cdd-1	03-02-1962	190.50
	04-19-1989	15.43		03-23-1965	102.20		04-03-1962	191.30
	05-12-1989	15.60		06-29-1965	125.40		05-14-1962	189.50
	06-20-1989	15.07		03-18-1967	103.69		06-04-1962	185.40
	07-18-1989	14.33		03-20-1968	96.80		07-24-1962	181.00
	08-15-1989	13.76		03-18-1969	93.24		10-17-1962	182.50
	09-15-1989	13.73		03-19-1970	92.57		11-14-1962	181.30
	10-23-1989	12.99		03-16-1971	90.35		12-17-1962	181.60
	11-17-1989	13.19		03-14-1972	91.30		01-29-1963	182.70
	12-20-1989	13.47		03-09-1973	97.51		02-25-1963	183.60
	01-23-1990	13.75		03-12-1974	87.77		03-22-1963	184.60
	02-14-1990	13.98		03-10-1975	92.73		05-03-1963	187.70
	03-06-1990	14.21		03-08-1976	90.09		06-14-1963	189.80
	04-09-1990	14.56		03-09-1977	95.93		08-05-1963	206.80
	05-08-1990	14.84		03-10-1978	104.27		09-19-1963	195.10
	06-05-1990	15.04		03-15-1979	96.02		10-18-1963	193.70
	07-03-1990	15.13		03-12-1980	96.60		11-22-1963	191.50
	08-03-1990	15.13		03-03-1981	89.88		12-18-1963	191.00
	09-06-1990	15.12		03-02-1982	96.04		01-03-1964	191.00
	10-18-1990	15.12		03-02-1983	84.29		01-22-1964	190.60
	12-17-1990	15.22		03-12-1984	76.68		03-24-1964	191.07
	03-05-1991	15.95		03-04-1985	76.32		05-15-1964	191.60
	03-12-1992	14.39		03-11-1986	84.99		10-08-1964	190.80
				03-02-1987	82.38		12-04-1964	186.87
(D-9-1)36acb-1	05-18-1989	97.41		03-01-1988	91.69		01-06-1965	189.19
	03-06-1991	102.41		03-10-1989	95.58		02-01-1965	189.30
				05-16-1989	96.31		03-02-1965	188.86
(D-9-1)36bbc-1	07-09-1961	104		06-22-1989	95.78		04-05-1965	187.42
	10-12-1961	106.00		07-17-1989	97.57		05-03-1965	187.13
	11-13-1961	106.70		08-18-1989	99.16		06-08-1965	199.40
	12-22-1961	106.80		09-18-1989	100.54		10-21-1965	179.00
	01-19-1962	107.10		10-25-1989	98.83		12-30-1965	180.09
	03-05-1962	107.30		11-14-1989	98.40		03-23-1966	182.52
	04-04-1962	107.50		01-25-1990	98.74		12-19-1966	186.99
	05-14-1962	106.30		02-14-1990	98.95		03-25-1967	187.87
	06-05-1962	102.40		03-07-1990	99.29		03-20-1968	181.14
	07-31-1962	105.60		04-06-1990	99.75		03-20-1969	176.89
	10-22-1962	100.00		05-08-1990	100.17		03-19-1970	176.35
	11-15-1962	99.10		06-04-1990	103.63		03-16-1971	174.48
	12-28-1962	98.90		08-08-1990	111.28		03-06-1972	173.52
	01-29-1963	99.90		09-05-1990	106.52		03-09-1973	183.65
	02-26-1963	100.50		10-17-1990	103.92		03-12-1974	173.23
	05-03-1963	106.00		11-19-1990	102.53		03-10-1975	183.87
	06-17-1963	112.20		12-18-1990	102.23		03-08-1976	172.65

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-9-1)36cdd-1	03-09-1977	178.93	(D-9-2)2dad-2	03-05-1985	-28.6	(D-9-2)5ddd-1	06-21-1990	5
Continued	03-09-1978	189.05	Continued	03-10-1986	-24.6		07-02-1990	5.27
	03-15-1979	179.96		03-02-1987	-22.9		02-06-1991	6.35
	03-05-1980	180.52		03-01-1988	-15.6		03-06-1991	5.96
	03-03-1981	172.83		03-01-1989	-14.4			
	03-01-1982	179.49		04-18-1989	-11.7	(D-9-2)6add-4	04-01-1964	-22.9
	03-02-1983	165.95		05-15-1989	-9.8		07-19-1989	-23.3
	03-12-1984	157.25		06-19-1989	-7.2			
	03-04-1985	156.19		07-19-1989	-3.0	(D-9-2)6add-5	04-10-1963	-15.0
	03-11-1986	166.42		09-19-1989	-6.0		07-19-1989	-31.2
	03-02-1987	153.49		11-13-1989	-9.2			
	03-01-1988	177.55		12-18-1989	-9.9	(D-9-2)6ddb-1	09-30-1964	-16.8
	11-01-1988	175.71		01-25-1990	-10.1		03-07-1991	-18.0
	12-22-1988	183.09		03-06-1990	-10.7			
	01-17-1989	185.19		04-09-1990	-10.6	(D-9-2)7bdd-1	10-05-1964	15.50
	02-23-1989	178.37		05-09-1990	-7.9		03-06-1991	20.16
	03-10-1989	185.19		06-04-1990	-6.6			
	05-18-1989	189.66		07-02-1990	-3.9	(D-9-2)7cda-2	10-05-1964	7.50
	03-07-1990	187.86		08-02-1990	-2.9		01-30-1991	8.66
	03-06-1991	187.52		09-04-1990	-3.2		03-06-1991	8.02
	03-12-1992	185.57		10-17-1990	-6.6			
				11-19-1990	-7.5	(D-9-2)7dcc-1	10-05-1964	12.30
(D-9-2)1bcb-1	10-10-1966	-6		12-17-1990	-8.5		02-22-1991	8.20
	04-04-1967	-9.5		01-23-1991	-8.8		03-06-1991	7.94
	03-05-1991	-7.2		03-04-1991	-9.6			
				03-12-1992	-10.2	(D-9-2)9bac-1	09-18-1961	43.00
(D-9-2)2add-1	09-30-1964	-12.0					10-12-1961	40.40
	08-17-1989	-1.6	(D-9-2)3aba-4	11-03-1964	-11.30		11-14-1961	39.70
				02-20-1991	-15.5		12-27-1961	39.60
(D-9-2)2dad-1	04-10-1967	-14.8		03-04-1991	-15.4		01-19-1962	39.70
	03-05-1991	-.6					03-06-1962	39.30
			(D-9-2)4cdc-1	02-10-1967	-11.70		04-04-1962	39.10
(D-9-2)2dad-2	11-29-1956	-16		02-22-1991	12.90		05-15-1962	37.50
	09-30-1964	-6.0		03-06-1991	13.00		06-11-1962	35.70
	03-20-1967	-15.2					07-02-1962	35.20
	03-20-1968	-15.1	(D-9-2)5acc-1	01-10-1967	-36.00		09-11-1962	41.00
	03-17-1969	-18.4		08-09-1989	-26.4		10-22-1962	36.80
	03-24-1970	-19.5		03-06-1991	-32.3		11-19-1962	36.50
	03-18-1971	-19.1					12-28-1962	36.10
	03-10-1972	-20.5	(D-9-2)5bcc-2	09-30-1964	-19.6		01-30-1963	35.20
	03-08-1973	-17.4		08-09-1989	-14.2		02-27-1963	37.50
	03-11-1974	-21.4					03-26-1963	38.70
	03-07-1975	-21.2	(D-9-2)5bcd-1	02-25-1967	-18		05-03-1963	40.00
	03-05-1976	-18.7		08-09-1989	-8.1		06-17-1963	40.20
	03-08-1977	-16.2					09-20-1963	40.10
	03-09-1978	-14.2	(D-9-2)5cbb-3	09-30-1964	-19.8		10-17-1963	38.20
	03-15-1979	-14.8		08-28-1989	-17.5		11-26-1963	37.50
	03-05-1980	-3.5		03-06-1991	-21.1		12-20-1963	36.60
	03-03-1981	-14.3					01-15-1964	35.80
	03-01-1982	-14.4	(D-9-2)5ccd-2	06-21-1990	3		03-19-1964	35.60
	03-03-1983	-19.2		07-02-1990	3.44		06-25-1964	36.80
	03-12-1984	-24.3					10-01-1964	38.20

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-9-2)9bac-1	06-28-1965	34.90	(D-9-2)11aaa-1	02-03-1937	-29.0	(D-9-2)11aaa-1	03-24-1954	-48.0
Continued	10-10-1966	36.81	Continued	03-03-1937	-28.5	Continued	12-29-1954	-43.0
	03-25-1967	38.39		04-13-1937	-28.4		04-22-1955	-40.2
	03-07-1968	35.55		06-10-1937	-27.9		12-22-1955	-39.8
	03-13-1969	34.61		08-01-1937	-29.0		03-30-1956	-39.4
	03-05-1970	33.98		09-23-1937	-29.1		12-19-1956	-37.6
	02-25-1971	33.70		11-02-1937	-29.6		04-01-1957	-36.0
	03-10-1972	34.40		12-12-1937	-29.8		12-06-1957	-41.4
	03-08-1973	35.65		02-14-1938	-29.5		03-18-1958	-41.7
	03-11-1974	32.30		04-06-1938	-29.2		12-04-1958	-40.3
	03-07-1975	31.23		05-05-1938	-29.1		03-18-1959	-46.1
	03-05-1976	32.55		06-02-1938	-29.1		12-24-1959	-41.0
	03-08-1977	33.97		08-26-1938	-30.7		03-23-1960	-39.8
	08-11-1977	63.20		10-29-1938	-31.8		12-09-1960	-36.0
	03-09-1978	35.67		12-23-1938	-31.8		01-05-1962	-34.2
	03-15-1979	35.14		03-17-1939	-32.9		03-06-1962	-31.2
	03-01-1982	33.96		04-14-1939	-31.2		12-06-1962	-31.3
	09-20-1982	32.55		06-19-1939	-30.8		03-12-1963	-30.9
	03-02-1983	30.95		08-25-1939	-30.0		08-27-1963	-27.9
	09-21-1983	27.67		10-13-1939	-30.0		12-16-1963	-28.2
	03-12-1984	27.67		01-04-1940	-30.0		04-09-1964	-27.1
	09-10-1984	26.12		04-12-1940	-25.2		05-28-1964	-26.8
	03-05-1985	27.62		05-01-1940	-25.3		07-09-1964	-26.2
	09-10-1985	28.33		06-14-1940	-28.2		08-03-1964	-25.9
	03-10-1986	28.98		01-21-1941	-29.5		08-31-1964	-25.8
	09-08-1986	28.77		11-14-1941	-30.0		10-01-1964	-26.2
	03-02-1987	30.20		12-29-1941	-31.3		11-03-1964	-26.9
	09-11-1987	29.63		01-29-1942	-31.4		12-04-1964	-27.0
	03-01-1988	35.05		03-26-1942	-31.2		01-05-1965	-27.5
	09-14-1988	32.30		06-27-1942	-29.8		02-02-1965	-27.5
	03-03-1989	34.61		03-29-1943	-39.0		03-01-1965	-28.0
	09-18-1989	33.96		12-29-1943	-38.2		04-05-1965	-28.1
	03-06-1990	36.29		03-24-1944	-37.0		05-03-1965	-28.2
	03-06-1991	37.47		12-27-1944	-41.4		06-07-1965	-28.1
	09-12-1991	36.85		03-29-1945	-40.7		07-02-1965	-28.6
	03-12-1992	37.90		12-17-1945	-43.0		10-21-1965	-31.8
				03-07-1946	-41.5		12-29-1965	-33.2
				12-17-1946	-42.3		03-25-1966	-33.0
(D-9-2)10dac-1	08-31-1966	-23.0		04-07-1947	-40.9		08-25-1966	-33.1
	09-20-1989	-27.5		12-19-1947	-39.2		12-19-1966	-32.5
	03-04-1991	-20.9		03-30-1948	-41.4		03-25-1967	-31.4
(D-9-2)11aaa-1	08-31-1935	-25.4		03-17-1949	-43.7		03-20-1968	-35.0
	10-08-1935	-25.6		12-16-1949	-43.3		10-02-1968	-36.9
	11-19-1935	-25.5		03-22-1950	-42.8		03-17-1969	-40.8
	12-14-1935	-25.4		12-19-1950	-44.5		09-03-1969	-42.1
	01-23-1936	-25.6		04-04-1951	-42.7		03-24-1970	-42.3
	03-05-1936	-25.3		07-19-1951	-41.9		09-09-1970	-40.5
	05-02-1936	-25.2		12-26-1951	-41.9		03-18-1971	-40.9
	06-20-1936	-26.7		04-09-1952	-39.8		10-06-1971	-42.6
	08-08-1936	-28.2		12-16-1952	-55.3		03-10-1972	-42.1
	10-03-1936	-29.2		04-21-1953	-53.5		09-26-1972	-40.4
	11-30-1936	-29.4		12-08-1953	-50.4		03-08-1973	-40.5

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-9-2)11aaa-1	09-06-1973	-44.5	(D-9-2)17ada-1	12-20-1966	112.45	(D-9-2)18aca-1	10-07-1964	17.20
Continued	03-11-1974	-50.0	Continued	03-27-1967	113.39		02-22-1991	17.42
	03-07-1975	-50.7		03-20-1968	110.80		03-06-1991	17.15
	03-05-1976	-49.0		03-18-1969	109.70			
	08-16-1976	-45.5		03-19-1970	110.07	(D-9-2)20ccc-1	05-09-1962	23.0
	03-11-1977	-42.8		03-16-1971	110.62		10-17-1962	21.5
	08-10-1977	-37.0		03-06-1972	115.57		11-15-1962	21.8
	03-09-1978	-35.2		03-08-1973	111.68		12-17-1962	20.2
	03-15-1979	-36.7		03-12-1974	109.82		01-29-1963	21.9
	08-23-1979	-32.8		03-07-1975	110.75		02-26-1963	21.5
	03-05-1980	-36.1		03-05-1976	111.23		03-22-1963	21.4
	09-04-1980	-39.2		03-08-1977	112.08		12-24-1963	20.5
	03-03-1981	-41.0		03-09-1978	114.88		03-01-1964	22.00
	09-03-1981	-39.0		03-15-1979	112.78		03-24-1964	21.7
	03-01-1982	-39.0		03-05-1980	112.72		05-21-1964	21.1
	09-20-1982	-48.6		03-03-1981	110.56		07-24-1964	21.6
	03-03-1983	-53.8		03-01-1982	110.59		10-09-1964	21.3
	03-12-1984	-67.8		03-02-1983	106.07		03-23-1965	21.2
	09-10-1984	-74.3		03-12-1984	105.90		06-28-1965	21.1
	03-05-1985	-72.1		03-05-1985	106.13		02-15-1991	20.49
	09-10-1985	-67.3		03-10-1986	108.39		03-05-1991	20.40
	03-10-1986	-58.7		03-02-1987	108.83			
	09-08-1986	-59.7		03-01-1988	113.43	(D-9-2)22cad-1	04-20-1989	136.05
	03-02-1987	-56.6		11-02-1988	112.04		07-10-1989	134.11
	09-11-1987	-50.9		12-22-1988	111.96		09-18-1989	137.20
	03-01-1988	-44.9		01-17-1989	112.16		10-25-1989	138.24
	09-14-1988	-39.2		02-23-1989	112.41		11-13-1989	138.50
	03-10-1989	-37.6		03-03-1989	112.63		01-25-1990	139.45
	07-19-1989	-34		04-19-1989	113.77		02-14-1990	139.72
	09-19-1989	-34.9		05-15-1989	116.57		03-06-1990	139.87
	03-06-1990	-31.6		06-20-1989	116.89		04-06-1990	139.97
	03-04-1991	-28.8		07-17-1989	117.19		06-04-1990	133.17
	09-12-1991	-26.6		08-16-1989	116.87		09-05-1990	137.52
	03-12-1992	-27.7		10-25-1989	113.92		10-17-1990	138.74
				11-14-1989	113.70		11-19-1990	139.36
(D-9-2)11aca-3	10-06-1964	-19.3		12-18-1989	113.74		12-18-1990	139.74
	07-19-1989	-22.5		01-25-1990	114.01		01-23-1991	139.63
	03-04-1991	-22.3		02-14-1990	114.28		03-06-1991	140.26
				03-07-1990	114.59		09-12-1991	136.08
(D-9-2)17ada-1	11-03-1964	112.79		04-06-1990	115.35		03-12-1992	138.96
	12-04-1964	113.25		05-08-1990	117.01			
	01-06-1965	113.80		06-04-1990	117.73	(D-9-2)24bda-1	03-02-1989	283.55
	02-01-1965	114.50		07-03-1990	119.02		04-20-1989	284.16
	03-03-1965	114.93		08-02-1990	118.70		05-15-1989	284.26
	04-05-1965	115.31		09-04-1990	119.17		06-19-1989	284.50
	05-03-1965	115.20		10-17-1990	117.43		08-18-1989	284.76
	06-07-1965	112.90		11-19-1990	116.50		10-25-1989	284.94
	07-01-1965	113.66		12-17-1990	116.58		01-25-1990	285.05
	10-21-1965	108.05		01-23-1991	117.20		03-07-1990	285.35
	12-29-1965	109.92		03-06-1991	117.42		05-09-1990	285.68
	03-23-1966	111.95		03-12-1992	118.17		10-22-1990	286.44
	08-23-1966	115.30					01-23-1991	286.73
							03-04-1991	286.90

Table 3.—Water levels in selected wells—Continued

Well number	Date	Water level	Well number	Date	Water level	Well number	Date	Water level
(D-9-2)25bbc-1	05-01-1989	72.51	(D-9-3)5cdc-1	02-25-1991	40.68	(D-10-1)17cca-1	12-02-1964	32.53
	03-06-1991	80.03	Continued	03-04-1991	40.74	Continued	01-06-1965	32.64
							02-02-1965	32.63
(D-9-2)29acd-1	06-18-1964	-12.5	(D-9-3)6abb-1	03-11-1964	8.10		03-02-1965	32.59
	07-09-1964	-11.7		02-08-1991	10.39		04-07-1965	32.73
	08-03-1964	-11.6		03-04-1991	9.60		05-04-1965	32.68
	08-31-1964	-11.3					06-09-1965	32.56
	10-01-1964	-11.2	(D-9-3)6cbc-1	10-13-1965	80.50		07-01-1965	32.35
	11-03-1964	-11.4		03-05-1991	86.23		11-02-1965	32.10
	12-04-1964	-11.8					12-30-1965	32.07
	01-06-1965	-11.9	(D-9-3)7aab-1	04-01-1973	80.00		03-25-1966	32.26
	02-01-1965	-12.7		02-20-1991	91.49		08-22-1966	31.91
	03-02-1965	-12.5		03-04-1991	91.50		12-19-1966	32.08
	04-05-1965	-12.6					03-08-1967	32.23
	05-03-1965	-12.9	(D-10-1)1cbb-1	02-13-1962	273.6		03-21-1968	31.97
	06-08-1965	-12.8		03-02-1962	273.0		03-20-1969	31.46
	08-09-1989	-12.6		04-03-1962	275.4		03-20-1970	31.18
				05-14-1962	270.6		03-15-1971	31.46
(D-9-2)30cbb-2	03-25-1967	13.25		06-04-1962	276.7		03-03-1972	31.15
	03-20-1968	9.00		07-03-1962	253.4		03-09-1973	31.72
	03-18-1969	6.46		08-06-1962	263.7		03-12-1974	30.90
	03-19-1970	6.04		09-10-1962	269.4		03-10-1975	31.40
	03-16-1971	5.05		10-17-1962	265.7		03-08-1976	31.00
	03-06-1972	5.02		11-14-1962	264.6		03-09-1977	32.18
	03-09-1973	9.44		12-17-1962	265.2		02-14-1991	32.16
	03-12-1974	2.52		01-29-1963	266.2		03-05-1991	31.22
	03-10-1975	5.90		02-25-1963	268.8			
	03-08-1976	3.93		03-22-1963	269.2			
	03-09-1977	8.02		01-07-1964	274.6			
	03-09-1978	14.10		03-24-1964	275.2			
	03-15-1979	8.04		05-15-1964	275.5			
	03-05-1980	8.11		07-27-1964	266.2			
	03-03-1981	4.08		10-09-1964	273.7			
	03-01-1982	8.00		03-23-1965	269.4			
	03-02-1983	Flowing		06-28-1965	254.0			
	03-12-1984	Flowing		02-21-1991	269.98			
	03-04-1985	Flowing		03-07-1991	270.14			
	08-03-1989	7.74						
			(D-10-1)17cca-1	03-19-1964	32.40			
(D-9-3)5cdc-1	10-01-1964	40.98		04-15-1964	32.52			
	12-04-1964	41.17		06-01-1964	32.62			
	03-01-1965	41.23		07-09-1964	32.53			
	06-08-1965	41.29		08-03-1964	32.52			
	12-29-1965	40.12		08-31-1964	32.35			
	03-23-1966	39.56		10-01-1964	32.40			
	12-19-1966	40.19		11-03-1964	32.46			

¹Actual location is different from historic records. See footnotes, table 1.

Table 4.—Discharge of selected wells

Well number: See figure 1 for explanation of the numbering system for hydrologic-data sites.

Discharge: Natural flow except where noted P, pumped; flow measured except where noted e, estimated.

Well number	Date	Discharge (gallons per minute)
(C-9-1)26bda-3	11-15-39	1.0
	08-18-89	.8
	09-15-89	.8
	10-23-89	1.0
	12-20-89	1.0
(D-7-2)32dad-1	03-24-78	40
¹ (D-7-2)33dcc-1	04-03-67	33
	08-10-89	30
(D-7-2)35ccd-1	04-13-37	1.8
	06-11-37	2.0
	08-01-37	1.7
	09-23-37	1.6
	11-02-37	1.4
	12-23-37	1.9
	02-14-38	2.1
	04-06-38	2.4
	05-05-38	2.5
	06-02-38	2.5
	06-13-38	2.3
	08-25-38	1.6
	02-28-40	2.4
	04-13-40	2.0
	05-01-40	2.6
(D-7-2)35ccd-2	07-18-61	90
	07-18-61	150 P
	09-13-89	0
(D-7-2)36bbb-1	10-30-43	30
	03-17-65	60
(D-7-2)36ccb-1	10-01-61	300
	07-07-89	112
(D-7-2)36dcc-2	05-02-40	1.7
	06-01-64	.5
	07-09-64	.5
	09-01-64	2.0
	03-24-66	12
(D-7-2)36dcc-2	08-24-89	.1
	09-15-89	.1
	10-23-89	.1
	11-14-89	.1
	12-00-89	.1
	01-23-90	.1
¹ (D-7-3)29dcc-1	03-11-53	70
	08-04-64	35

Table 4.—Discharge of selected wells—Continued

Well number	Date	Discharge (gallons per minute)
(D-7-3)31cac-2	10-08-64	38
	11-02-64	35
	09-13-89	24
(D-7-3)33baa-6	10-07-35	12
	03-02-36	11
	05-02-36	14
	06-20-36	19
	08-08-36	19
	10-03-36	15
	12-01-36	14
	02-03-37	12
	06-11-37	19
	08-01-37	20
	09-23-37	16
	06-02-38	19
	12-23-38	15
	02-21-39	12
	03-24-39	9.6
	04-13-39	10
	04-13-40	11
	05-02-40	13
	07-09-64	7.5
	07-00-89	3.5
	11-13-89	4.4
	12-00-89	4.0
(D-7-3)33ccc-5	04-01-05	65
	07-00-89	12
	08-24-89	11
	10-26-89	11
	11-14-89	10
	12-00-89	12
	01-23-90	12
(D-8-1)13aaa-1	05-02-36	30
	04-12-40	21
	05-01-40	25
(D-8-1)13daa-3	07-06-64	48
(D-8-1)14dad-1	05-14-66	30
	05-14-66	80 P
	01-31-67	25
(D-8-1)23bdd-1	03-00-18	3.0
	08-24-89	1.1
	09-15-89	.9
	11-14-89	.9
	12-20-89	1.0
	01-23-90	.9
(D-8-1)25aad-1	02-07-53	6.5
	07-21-64	2.0
	08-01-89	.6

Table 4.—Discharge of selected wells—Continued

Well number	Date	Discharge (gallons per minute)
(D-8-2)1baa-1	05-12-63	50
	08-06-64	60
¹ (D-8-2)2acc-1	06-30-61	50
	08-06-64	45
(D-8-2)2caa-1	11-12-51	40
	08-06-64	30 P
	09-21-89	.8
(D-8-2)2cda-1	08-06-64	15 P
	09-21-89	3.0
(D-8-2)2daa-1	04-12-48	80
	08-06-64	72
	08-24-89	.7
	09-15-89	.9
	10-23-89	.9
	01-23-90	1.4
(D-8-2)3aad-1	03-17-65	30
	03-17-65	30
	09-15-89	6
(D-8-2)3ccd-1	12-07-61	40
(D-8-2)4abb-1	08-20-64	35
	09-12-89	3.0
(D-8-2)4abb-2	08-20-64	.5
	09-12-89	.2
(D-8-2)4abc-1	05-23-50	35
	07-09-64	30
	09-12-89	.8
¹ (D-8-2)4bab-1	03-25-63	80
	08-20-64	75
	09-12-89	.5
(D-8-2)4cba-2	04-01-36	30
	08-24-89	4.8
	09-15-89	5
	10-23-89	5.4
	11-14-89	5.8
	12-19-89	6.0
	01-23-90	5.64
¹ (D-8-2)4cbb-1	07-06-64	36
	09-15-89	.2
(D-8-2)4dad-1	03-00-63	60
	08-00-64	70
	09-28-89	5.4
(D-8-2)7cab-1	05-07-47	35
	08-20-64	30
(D-8-2)cbd-1	04-15-62	35
	08-20-64	30
(D-8-2)9aad-1	08-24-64	35
	09-28-89	7.2
(D-8-2)10adb-1	05-31-66	80
	06-06-66	60
	09-28-89	7.5

Table 4.—Discharge of selected wells—Continued

Well number	Date	Discharge (gallons per minute)
(D-8-2)10bdd-1	12-00-55	40
	09-28-89	4.5
(D-8-2)12ddc-1	09-08-61	225
(D-8-2)13abc-1	08-30-61	250
	08-25-64	88
	09-28-89	2.5
(D-8-2)13bdd-1	12-20-62	175
	08-25-64	135
(D-8-2)14dcc-1	08-05-39	30
	09-02-64	10
(D-8-2)16caa-1	09-15-89	7.1
	11-14-89	7.3
	12-00-89	6.9
	01-23-90	7.6
(D-8-2)17add-5	11-04-62	12 P
(D-8-2)17add-6	06-07-50	4 P
(D-8-2)17ccc-2	10-21-59	10
	09-03-64	60
(D-8-2)17dab-2	07-02-59	5 P
(D-8-2)17ddd-1	07-13-44	6.0 P
(D-8-2)21bbb-2	06-26-56	6.0 P
(D-8-2)21ddd-1	10-15-36	45
	09-15-64	30
(D-8-2)22cdc-1	05-22-35	60 P
	07-00-89	11
(D-8-2)22cdc-2	05-17-57	100
	07-00-89	1.0
(D-8-2)23dbd-3	04-12-40	1.0
	05-01-40	1.0
	09-15-64	.5
(D-8-2)24bdc-2	03-25-63	45
	09-17-64	30
(D-8-2)28cbd-3	11-04-44	1.0
	09-25-64	1.3
	07-31-89	.2
(D-8-2)28daa-1	06-20-39	5.0
	09-25-64	1.0 P
(D-8-2)29bcb-1	12-22-66	25
	03-27-67	50
(D-8-2)29bcd-2	07-10-52	35
	09-25-64	10
(D-8-2)29cab-1	07-28-47	35
	09-25-64	63
(D-8-2)30bad-1	12-04-44	3.0
	09-28-64	1.5
(D-8-2)31bcd-1	08-04-64	38
	11-14-89	22

Table 4.—Discharge of selected wells—Continued

Well number	Date	Discharge (gallons per minute)
(D-8-2)31cbb-1	08-28-89	46
(D-8-2)31cda-1	07-21-89	72
(D-8-2)31cdb-1	08-04-64	6.0
	10-21-65	5.5
	12-29-65	8.0
(D-8-2)31cdb-1	03-25-66	5.8
	08-24-66	5.4
	03-24-67	5.8
	08-31-67	4.6
	08-09-89	2.6
(D-8-2)31cdb-2	09-27-68	700
	07-21-89	264
(D-8-2)34acd-1	06-20-46	2.5
	09-28-64	1.3
	07-31-89	.7
(D-8-3)4caa-2	1945	30
	06-08-45	120
	08-06-64	30
(D-8-3)4caa-3	03-31-65	140
(D-8-3)4cad-1	06-18-35	300
	03-06-36	325
	05-27-64	15
(D-8-3)5bca-1	11-04-64	40
	09-14-89	1.0
(D-8-3)6ddd-1	07-07-89	47
(D-8-3)6ddd-2	10-01-64	25
	07-07-89	105
(D-8-3)7aad-1	09-02-48	140
	03-31-65	87
(D-8-3)7abc-1	06-20-72	450
(D-8-3)7aca-2	07-14-48	120
	03-31-65	125
(D-9-1)1bac-1	11-10-76	130
(D-9-1)13bdb-2	11-04-64	30
	08-04-89	18
(D-9-1)25aac-1	06-15-34	39
	10-14-64	3.0
	06-12-90	14
(D-9-1)25aad-1	05-27-64	50
	08-03-89	69
(D-9-1)25aad-2	05-27-64	10
	08-03-89	13
(D-9-1)25aca-1	1938	14
	08-30-89	1.1
(D-9-1)25ada-1	07-05-34	70
	02-25-38	36
	06-02-38	30
	07-09-64	10
	07-20-89	12

Table 4.—Discharge of selected wells—Continued

Well number	Date	Discharge (gallons per minute)
(D-9-1)25ada-2	07-09-64	30
	07-20-89	12
(D-9-1)25ada-3	07-09-64	15
	10-21-65	23
	12-30-65	19
	03-28-66	15
	08-24-66	12
	03-28-67	14
	07-20-89	14
	07-09-64	30
(D-9-1)25ada-4	07-20-89	22
	07-09-64	30
(D-9-1)25ada-5	07-20-89	14
	10-10-66	300
(D-9-2)1bcb-1	10-10-66	900 P
	07-00-89	44
	12-00-36	45
(D-9-2)2add-1	09-30-64	30
	08-17-89	.5
	11-29-56	35
	09-00-89	16
(D-9-2)2dad-2	11-13-89	21
	12-18-89	16
	01-25-90	17
	08-09-89	10
	04-26-53	38
(D-9-2)5acc-1	11-23-56	30
	09-30-64	30
	08-09-89	8.0
(D-9-2)5bcc-1	02-25-67	70
(D-9-2)5bcd-1	04-07-70	125
	08-09-89	251
(D-9-2)5bcd-2	09-23-64	6.0
(D-9-2)5bdd-2	09-11-64	220
(D-9-2)5bdd-4	03-17-67	92
	01-02-69	450
	05-11-61	25
	09-30-64	45
(D-9-2)5cbb-3	08-28-89	23
	08-04-64	30
	08-17-89	10
(D-9-2)5ccc-1	05-11-74	15
(D-9-2)5ddb-1	08-01-34	450
	10-08-35	25
	07-09-64	15
(D-9-2)5ddc-2	05-20-61	130
	09-11-64	100 P
	07-00-89	100

Table 4.—Discharge of selected wells—Continued

Well number	Date	Discharge (gallons per minute)
(D-9-2)6add-5	04-10-63	450
(D-9-2)6ddb-1	10-05-70	150
(D-9-2)10dac-1	08-31-66	41
(D-9-2)11aca-3	12-13-58	250
(D-9-2)29acd-1	03-21-50	7
	06-18-64	75
	07-09-64	75
	08-31-64	70
	08-09-89	100
(D-9-2)30bcb-2	07-09-64	30
	08-03-89	15
(D-9-2)30cbb-2	06-29-57	40 P

¹ Actual location is different from historic records. See footnotes, table 1.

Table 5.—Chemical analyses of

[mg/L, milligrams per liter;

Well number: See figure 1 for explanation of the numbering system for hydrologic-data sites.

Date sampled: Except R, date received by laboratory (Cordova, 1969, table 5).

Specific conductance: $\mu\text{S/cm}$, microsiemens per centimeter at 25 degrees Celsius, measured in theTemperature: $^{\circ}\text{C}$, degrees Celsius.

Well number	Date sampled	Specific conductance ($\mu\text{S/cm}$)	pH, field (standard units)	Temperature ($^{\circ}\text{C}$)	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)
(C-8-1)20cdb-2	07-13-81	1,300	—	26.5	—	—	—	—
	07-07-89	1,340	7.7	26.0	340	76	37	130
	06-13-90	1,310	6.3	24.0	—	—	—	—
	08-19-91	1,260	7.6	25.5	—	—	—	—
(C-8-1)20cdb-3	07-30-80	1,290	—	24.0	—	—	—	—
	07-25-83	1,260	—	25.5	—	—	—	—
	07-12-89	1,350	7.7	25.0	—	—	—	—
(C-8-1)20cdb-4	07-12-89	1,340	7.7	25.0	—	—	—	—
(C-8-1)29dda-1	07-25-83	2,870	—	18.0	—	—	—	—
	08-23-89	3,550	7.9	22.5	—	—	—	—
(C-8-1)35dcb-1	07-11-90	3,480	7.7	18.5	—	—	—	—
	07-06-60	1,700	—	—	370	88	36	170
	06-15-64	1,630	—	20.5	410	88	45	170
	04-28-66	1,590	—	14.0	490	130	43	170
	08-08-90	1,840	—	19.5	450	120	36	160
(C-9-1)3ddb-1	05-04-65	1,340	7.9	14.5	270	60	29	180
	04-28-66	1,260	7.6	14.5	230	56	22	170
	07-13-81	1,300	—	15.5	—	—	—	—
	07-12-89	1,790	7.6	14.5	—	—	—	—
	08-23-89	1,400	7.6	14.5	—	—	—	—
(C-9-1)4ccc-1	07-11-90	1,300	7.8	17.5	—	—	—	—
	08-21-75	750	6.8	14.5	160	40	15	92
	08-16-76	790	7.4	14.0	170	46	14	100
	07-12-77	800	6.6	14.0	180	44	16	98
	08-24-78	900	6.8	14.0	210	54	19	100
	07-17-79	1,000	—	16.0	—	—	—	—
	08-01-79	1,100	7.7	16.0	250	62	23	110
	07-31-80	1,210	—	15.5	—	—	—	—
	09-03-80	1,200	7.6	15.0	270	66	25	130
	07-15-81	1,220	7.9	14.5	280	70	26	120

water from selected wells

—, no data; <, less than]

field.

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
—	—	—	—	—	—	—	—
—	—	100	210	.60	20	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
22	—	68	390	—	—	863	—
22	—	130	400	—	—	913	—
27	—	120	400	—	—	1,010	—
20	—	65	370	<.10	71	1,020	.80
—	176	95	280	—	61	810	—
15	—	98	240	—	—	712	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
8.1	148	59	110	.30	58	477	1.30
8.1	144	62	130	.30	58	512	1.60
8.0	140	59	140	.30	56	505	—
9.2	140	64	160	.30	56	558	2.60
—	—	—	—	—	—	—	—
11	130	87	210	.30	60	658	3.80
—	—	—	—	—	—	—	—
11	140	80	240	.30	60	717	4.70
8.6	—	84	240	.20	62	703	6.00

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(C-9-1)4ccc-1	07-07-82	1,230	—	14.0	—	—	—	—
	08-16-85	1,460	8.0	13.0	380	93	36	150
	06-30-86	1,400	—	14.0	—	—	—	—
	07-02-87	—	7.7	14.0	350	86	34	290
	06-15-88	1,390	7.5	14.0	—	—	—	—
(C-9-1)4ddc-1	08-07-90	1,050	7.7	14.0	240	61	22	99
	05-28-64	980	8.5	16.5	200	55	16	120
	06-09-64	980	8.4	16.5	210	54	18	120
	06-17-65	1,050	8.3	16.5	230	59	21	130
	04-28-66	1,070	7.6	18.5	220	55	21	130
(C-9-1)5ddc-1	07-16-79	1,750	—	17.0	—	—	—	—
	07-31-80	1,800	—	16.5	—	—	—	—
	08-07-90	1,320	7.6	20.0	310	80	26	120
	08-29-90	790	7.7	15.0	180	45	16	81
	08-19-64	720	8.2	16.0	130	34	11	—
¹ (C-9-1)20cdd-1	04-27-66	730	7.5	14.0	130	34	11	110
	06-22-81	810	—	16.5	—	—	—	—
	07-28-86	800	—	16.0	—	—	—	—
	07-05-89	1,090	7.9	18.0	220	56	19	110
	06-13-90	1,080	6.9	18.5	—	—	—	—
(C-9-1)20ddd-1	07-23-90	1,060	7.8	17.0	—	—	—	—
	06-23-65	720	—	17.0	144	32	15	91
	05-09-66	740	8.0	16.5	150	37	14	90
	07-10-73	690	7.9	17.0	130	34	12	85
	07-16-79	700	—	19.0	—	—	—	—
(C-9-1)26bda-3	07-31-80	720	—	17.0	—	—	—	—
	08-07-90	710	7.8	17.5	130	34	11	88
	01-25-61	2,130	7.8	—	370	81	41	280
	04-06-61	2,030	8.1	—	330	56	45	280
	05-26-64	2,200	7.9	11.0	450	100	46	280
(C-9-1)28ccb-1	07-07-89	2,320	7.4	12.5	400	81	48	270
	04-05-63	800	—	—	191	48	17	94
	09-11-63	830	—	—	223	62	17	101
	06-09-64	940	—	18.5	219	35	20	104
	06-17-65	980	—	18.5	235	63	19	107

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
—	—	—	—	—	—	—	—
9.9	—	110	320	.30	60	895	9.80
—	—	—	—	—	—	—	—
8.5	—	210	300	.30	58	1,110	9.20
—	—	—	—	—	—	—	—
9.1	—	63	170	.10	60	581	3.90
15	—	78	190	—	—	549	—
14	—	74	180	—	—	551	—
14	—	100	200	—	—	609	—
17	—	95	200	—	—	598	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
15	—	59	290	.20	77	759	2.10
9.7	—	61	110	.20	67	484	1.10
—	—	73	100	—	58	—	—
8.2	—	84	100	—	—	434	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	69	150	.30	59	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
10	—	84	98	—	—	—	—
10	—	73	94	—	—	408	—
8.9	152	53	86	—	64	434	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
8.4	—	53	87	.20	67	459	1.60
34	—	110	460	—	—	1,150	—
34	—	99	470	—	—	1,110	—
37	—	150	490	—	—	1,270	—
—	—	100	530	.40	66	—	—
11	—	80	112	—	—	—	—
11	—	102	146	—	—	—	—
13	—	98	151	—	—	—	—
13	—	115	165	—	—	—	—

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(C-9-1)28ccb-1	04-27-66	960	—	14.5	243	64	20	107
	07-31-80	1,120	—	19.5	—	—	—	—
	07-15-81	1,170	7.7	18.0	300	77	25	100
	07-07-82	1,120	—	18.5	—	—	—	—
	07-17-84	1,140	7.5	18.5	280	71	24	100
	07-03-85	2,310	8.0	17.5	310	81	26	110
	06-12-86	1,120	7.6	18.5	—	—	—	—
	08-07-90	810	7.9	19.0	180	50	14	81
(C-9-1)29acc-1	05-23-63	760	8.5	—	120	29	11	110
	05-28-64	770	8.4	—	150	37	13	110
	06-18-65	760	8.5	15.0	170	38	18	100
	04-27-66	710	7.7	15.0	150	36	14	100
	07-31-80	960	—	17.0	—	—	—	—
	06-22-81	950	—	16.5	—	—	—	—
	06-19-65	930	8.1	17.0	290	73	26	71
	05-06-66	860	7.5	17.0	350	89	32	71
	07-02-85	740	—	15.5	—	—	—	—
(C-9-1)34ccc-1	08-21-75	1,400	6.6	17.5	520	110	59	93
	07-17-79	1,550	—	17.0	—	—	—	—
	08-01-79	1,600	7.6	19.0	—	—	—	—
	09-03-80	1,700	7.1	17.5	590	130	65	100
	07-02-86	1,510	—	17.5	—	—	—	—
¹ (C-9-1)34acd-1	10-09-62	1,120	8.2	—	350	60	48	78
	04-27-66	1,050	7.8	11.5	410	82	49	80
	08-17-72	1,200	7.7	12.0	390	77	48	77
(C-9-1)34ddc-1	04-27-66	930	7.6	13.0	330	66	40	69
	10-12-71	1,050	7.5	12.5	330	63	42	69
	06-04-91	1,040	7.5	15.0	320	61	41	67
(C-10-1)3ddb-1	10-09-62	2,140	—	—	400	61	60	320
	08-05-70	2,760	—	13.0	560	91	81	—
	08-11-72	4,010	—	14.0	910	150	130	560
(C-10-1)4bbb-1	09-09-74	1,560	—	19.5	530	120	57	100
	11-01-62	690	—	—	107	30	10	98
	04-03-63	670	8.3	—	110	26	10	98
	09-11-63	800	8.1	—	150	36	14	110

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
15	—	118	166	—	—	—	—
—	—	—	—	—	—	—	—
12	—	110	210	.20	70	695	4.30
—	—	—	—	—	—	—	—
14	—	110	210	.30	65	694	5.20
12	—	110	220	.30	68	728	5.80
—	—	—	—	—	—	—	—
11	—	64	100	.40	74	474	1.60
6.3	—	78	100	—	—	426	—
7.0	—	96	100	—	—	446	—
7.0	—	110	110	—	—	462	—
8.6	—	82	110	—	—	439	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
9.0	—	150	170	—	—	533	—
9.0	—	170	170	—	—	603	—
—	—	—	—	—	—	—	—
14	199	100	300	.20	65	864	.75
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
14	190	120	360	.30	65	983	3.20
—	—	—	—	—	—	—	—
11	—	84	240	—	—	583	—
12	—	99	240	—	—	654	—
11	143	96	250	—	60	705	—
12	—	33	230	—	—	531	—
9.2	144	35	220	—	—	525	—
8.4	—	25	220	.50	65	572	—
3.5	—	200	400	—	—	1,240	—
30	351	310	550	—	35	1,680	—
6.3	405	620	830	—	51	2,590	—
17	195	100	320	.20	63	898	.73
9.3	—	42	82	—	—	—	—
9.3	—	44	83	—	—	371	—
10	—	70	130	—	—	448	—

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(C-10-1)4bbb-1	06-16-65	1,330	8.1	18.5	430	100	42	100
	04-27-66	1,340	7.4	15.5	420	100	41	110
	07-10-73	1,320	7.7	19.0	380	92	37	110
	08-03-73	1,230	—	18.5	—	—	—	—
	09-05-74	1,350	—	19.0	—	—	—	—
	08-30-76	1,160	—	19.5	—	—	—	—
	08-25-78	1,100	—	20.0	—	—	—	—
	08-01-80	1,200	—	19.5	—	—	—	—
	08-07-90	2,460	7.5	18.0	—	—	—	—
	04-05-62	1,770	8.5	—	440	110	39	180
(C-10-1)4cbb-1	08-06-62	1,440	8.2	—	370	94	34	140
	09-14-62	1,390	7.5	—	400	120	25	130
	06-07-63	1,310	8.3	—	420	130	22	120
	09-11-63	1,280	7.8	—	390	100	33	110
	06-09-64	1,300	8.2	19.0	380	100	31	120
	10-02-64	1,350	—	—	447	123	34	118
	06-16-65	1,320	8.3	19.0	670	190	49	110
	04-27-66	1,330	7.5	19.5	410	100	39	110
	09-05-69	1,230	7.7	17.0	400	93	40	—
	08-05-70	1,290	7.9	18.0	420	100	39	150
	10-07-71	1,260	7.6	16.5	370	89	35	100
	08-11-72	1,110	—	18.5	—	—	—	—
	08-03-73	1,100	7.7	19.0	330	82	30	97
	09-06-74	1,150	—	19.0	—	—	—	—
	08-16-76	1,050	7.2	19.0	320	82	27	97
	07-12-77	1,000	6.5	20.0	270	68	25	92
	07-17-79	1,100	—	19.0	—	—	—	—
	08-01-79	1,150	7.9	19.0	330	83	31	95
	08-01-80	1,510	—	19.0	—	—	—	—
	09-03-80	1,500	7.6	—	480	120	43	110
	07-13-81	1,750	7.8	19.0	530	130	49	120
	07-07-82	1,900	—	19.5	—	—	—	—
	07-18-84	1,740	7.4	17.5	610	130	69	110
	07-03-85	1,830	—	18.5	—	—	—	—
	06-30-86	2,490	7.6	19.0	900	220	84	150

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
12	—	200	240	—	—	768	—
14	—	200	240	—	—	778	—
11	135	140	230	—	—	701	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
15	—	300	310	—	—	1,020	—
14	—	220	240	—	—	831	—
13	—	240	230	—	—	839	—
13	—	240	220	—	—	825	—
11	—	200	220	—	—	755	—
13	—	230	230	—	—	777	—
13	—	338	235	—	—	—	—
13	—	260	230	—	—	906	—
15	—	210	220	—	—	788	—
—	162	160	200	—	60	767	—
—	149	300	190	—	—	896	—
10	148	180	180	—	—	683	—
—	—	—	—	—	—	—	—
9.0	153	160	160	—	64	693	—
—	—	—	—	—	—	—	—
11	158	120	160	.20	60	669	3.80
9.7	160	100	150	.20	64	602	—
—	—	—	—	—	—	—	—
11	140	99	220	.20	68	706	3.30
—	—	—	—	—	—	—	—
12	140	88	360	.20	65	898	3.60
11	—	95	420	.20	68	988	3.70
—	—	—	—	—	—	—	—
13	—	140	380	.30	62	1,040	5.20
—	—	—	—	—	—	—	—
15	—	100	710	.20	67	1,440	3.50

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(C-10-1)4cbb-1	08-07-90	740	7.5	20.5	200	52	18	61
(C-10-1)9ccc-1	06-13-61	2,710	7.8	—	1,200	270	120	86
	09-06-62	2,670	7.7	—	1,100	250	110	99
	06-06-63	2,540	7.8	—	1,100	260	110	100
	09-24-63	2,320	7.5	—	930	210	99	94
	05-28-64	2,530	8.1	16.5	1,100	250	110	100
	08-07-64	2,280	8.0	16.5	1,000	230	110	100
	04-28-66	2,200	7.4	18.5	920	210	94	110
	08-11-72	1,920	7.3	17.0	740	170	77	100
	09-09-74	1,940	—	18.0	740	170	77	100
	07-17-79	2,000	—	18.0	—	—	—	—
	08-04-80	2,100	—	17.0	—	—	—	—
	07-25-83	2,020	—	18.0	—	—	—	—
	07-28-86	1,670	—	18.0	—	—	—	—
	07-12-89	1,980	7.3	17.5	—	—	—	—
	08-18-89	1,960	7.4	18.0	690	160	70	120
(C-10-1)10ddc-3	06-04-91	2,800	—	14.5	960	170	130	220
¹ (C-10-1)15cca-1	06-04-91	3,000	7.2	15.0	710	140	88	380
(C-10-1)17aaa-1	04-27-65	770	7.5	19.5	320	84	26	30
	10-12-71	1,390	7.3	18.0	560	140	50	45
	08-17-72	1,550	7.6	20.0	630	160	57	47
	07-10-73	1,620	7.5	20.0	730	190	63	54
	09-09-74	1,780	—	20.0	730	180	69	53
	08-21-75	1,800	6.8	18.5	830	210	73	55
	08-16-76	2,120	6.9	19.5	980	250	86	58
	07-12-77	2,180	6.8	19.5	1,100	290	95	61
¹ (C-10-1)25abd-1	06-06-61	1,560	8.0	—	480	110	52	130
	07-07-61	1,570	8.3	—	490	110	50	140
	08-09-61	1,540	7.9	—	490	110	50	140
	08-31-62	1,460	7.8	—	380	75	47	150
	06-01-64	1,700	8.1	17.0	410	64	61	190
	08-04-80	2,150	—	17.5	—	—	—	—
	07-15-81	2,300	—	18.5	—	—	—	—
	07-02-86	2,100	—	17.5	—	—	—	—
	07-11-90	2,090	7.2	18.5	520	110	60	230

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
11	—	38	73	.20	78	455	2.70
16	—	580	480	—	—	1,610	—
17	—	560	490	—	—	1,560	—
15	—	610	460	—	—	1,600	—
17	—	490	410	—	—	1,360	—
17	—	630	430	—	—	1,580	—
16	—	580	380	—	—	1,480	—
18	—	510	370	—	—	1,390	—
12	134	310	330	—	60	1,140	—
14	136	290	300	.20	62	1,210	25.0
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	370	310	.10	61	—	—
14	—	190	790	.30	59	1,710	—
8.7	—	370	650	.40	41	1,860	—
—	145	67	99	—	59	484	—
12	126	140	200	—	—	663	—
12	117	170	230	—	59	805	—
14	113	200	250	—	58	897	—
16	112	230	260	.10	58	1,120	43.0
14	107	330	260	.10	56	1,250	42.0
15	109	420	300	.10	57	1,460	46.0
16	98	530	310	.10	55	1,420	—
11	—	110	250	—	—	861	—
11	—	130	250	—	—	875	—
11	—	130	260	—	—	884	—
12	—	120	260	—	—	813	—
18	—	160	360	—	—	962	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
14	—	120	340	.60	51	1,120	<.10

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(C-10-1)25abd-1	07-31-90	2,130	7.2	18.5	—	—	—	—
(C-10-1)29cdd-1	04-14-61	1,430	7.6	—	630	110	87	71
	07-10-61	570	8.1	—	210	54	19	28
	04-04-63	480	8.4	—	150	29	20	30
	08-07-64	590	8.0	23.0	220	62	16	26
	04-28-66	580	7.6	21.0	220	58	18	26
	07-16-79	600	—	20.0	—	—	—	—
	07-10-90	780	7.5	23.0	300	78	26	27
	07-31-90	770	7.4	22.5	—	—	—	—
	08-20-91	690	6.9	22.5	—	—	—	—
(C-10-1)29ddd-1	04-04-63	3,180	7.9	—	1,000	210	130	110
	09-10-63	1,710	8.0	—	1,000	250	100	100
	07-24-64	2,710	8.0	20.0	1,100	240	110	110
	08-07-64	3,340	8.0	18.0	1,400	330	140	120
	04-28-66	3,650	7.1	17.0	1,700	410	170	130
	08-20-91	3,460	6.9	21.5	—	—	—	—
(C-10-1)31cdd-1	06-21-63	450	8.4	—	150	28	19	26
	09-26-63	600	7.9	—	180	41	19	38
	06-03-64	470	8.3	—	180	40	19	24
	10-08-64	470	8.3	19.0	180	38	20	25
	04-28-66	580	8.0	18.5	230	59	21	26
	07-16-79	750	—	18.5	—	—	—	—
	07-13-81	800	—	21.0	—	—	—	—
	07-31-90	880	7.4	18.5	—	—	—	—
(C-10-1)32ccc-1	06-06-61	690	8.1	—	260	66	22	36
	07-10-61	650	7.8	—	240	63	20	36
	09-06-62	680	7.7	—	250	67	20	37
	04-03-63	630	8.3	—	220	54	21	37
	09-10-63	580	8.1	—	190	45	19	37
	06-16-64	560	8.3	20.0	190	47	17	36
	08-07-64	700	8.0	20.0	260	65	23	38
	06-15-66	740	8.0	20.0	280	73	24	36
	07-17-79	1,150	—	19.5	—	—	—	—
	08-04-80	1,150	—	19.5	—	—	—	—
(C-11-1)6abc-1	07-10-63	510	8.2	—	170	43	16	30

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
—	—	—	—	—	—	—	—
19	—	44	370	.30	46	811	—
9.8	—	36	63	—	—	306	—
5.9	—	41	69	—	—	249	—
9.8	—	46	58	—	—	315	—
9.4	—	40	62	—	—	308	—
—	—	—	—	—	—	—	—
9.4	—	31	100	.30	70	511	17.0
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
22	—	670	570	—	—	1,740	—
23	—	420	560	—	—	1,490	—
24	—	480	560	—	—	1,560	—
24	—	790	590	—	—	2,020	—
27	—	950	660	—	—	2,400	—
—	—	—	—	—	—	—	—
6.3	—	26	56	—	—	224	—
10	—	57	83	—	—	309	—
6.3	—	40	54	—	—	255	—
6.3	—	47	63	—	—	260	—
5.9	—	44	67	—	—	317	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
9.4	—	83	83	—	—	385	—
10	—	62	75	—	—	362	—
10	—	64	79	—	—	375	—
9.4	—	71	78	—	—	347	—
10	—	74	83	—	—	322	—
9.8	—	64	77	—	—	310	—
10	—	83	87	—	—	393	—
9.9	—	55	86	.50	62	440	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
7.0	—	67	58	—	—	279	—

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(C-11-1)6abc-1	07-24-64	520	8.3	18.0	180	42	18	33
	06-10-65	470	8.3	18.5	160	36	16	29
	08-21-75	580	7.0	18.0	230	62	18	28
	07-12-77	620	7.0	19.0	240	68	18	28
	07-13-81	610	—	20.5	—	—	—	—
	07-11-89	590	7.7	19.0	—	—	—	—
	07-18-90	610	7.6	19.5	—	—	—	—
	08-31-64	520	7.6	18.5	210	57	16	32
	06-11-65	460	8.2	19.0	170	43	15	25
	07-13-81	560	—	20.5	—	—	—	—
(C-11-1)6bdd-1	07-18-90	550	7.6	19.5	220	57	18	25
	07-31-90	560	7.7	19.5	—	—	—	—
	05-13-64	710	8.5	13.5	240	46	30	73
	06-22-65	570	8.6	14.0	160	16	29	75
(D-7-2)34dcd-1	03-26-81	640	—	13.5	—	—	—	—
	06-21-63	1,490	7.5	—	730	190	63	—
	06-24-63	1,340	8.0	—	590	130	63	60
(D-7-3)28bdb-1	05-11-64	1,470	8.0	18.0	760	190	68	60
	10-14-68	1,120	7.8	—	470	73	69	—
	09-03-69	1,170	7.9	—	530	81	80	—
	10-08-71	1,000	—	—	—	—	—	—
	06-18-72	1,120	8.0	—	450	73	64	63
	06-18-73	1,120	8.0	—	450	73	64	63
	09-09-74	1,160	—	—	460	77	64	60
	08-18-75	1,050	—	—	—	—	—	—
	08-12-76	1,150	—	—	—	—	—	—
	07-12-77	1,150	—	—	—	—	—	—
(D-7-3)30aaa-1	08-22-78	1,150	—	—	—	—	—	—
	07-30-79	1,200	7.9	—	480	82	66	60
	09-03-80	1,120	8.4	—	—	—	—	—
	07-30-81	1,180	—	—	—	—	—	—
	08-28-81	490	—	14.0	170	44	15	33
	02-11-59	540	7.8	12.0	270	71	22	—
	04-21-60	540	8.1	12.0	260	69	22	—
	09-15-60	500	8.3	12.0	250	69	20	15

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
7.4	—	50	65	—	—	285	—
7.0	—	51	58	—	—	253	—
7.2	159	35	60	—	57	363	—
7.3	160	43	66	.20	57	386	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	27	58	—	57	—	—
6.6	—	29	55	—	—	248	—
—	—	—	—	—	—	—	—
7.1	—	26	58	.30	62	374	1.00
—	—	—	—	—	—	—	—
5.9	—	5.3	43	—	—	404	—
5.5	—	11	44	—	—	334	—
—	—	—	—	—	—	—	—
—	212	540	78	—	14	1,080	—
7.0	—	520	86	—	—	910	—
5.1	—	560	82	—	—	1,080	—
—	52	440	87	—	1.4	786	—
—	70	410	80	—	—	733	—
—	—	—	—	—	—	—	—
5.7	30	430	84	—	.70	738	—
5.7	30	430	84	—	.70	738	—
7.2	—	430	86	—	1.0	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
6.8	34	450	85	.30	1.0	772	<.10
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
2.5	—	<5.0	28	.30	5.8	248	.11
—	235	43	13	—	11	318	—
—	230	45	14	—	10	314	—
1.1	222	46	14	.20	9.8	311	—

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(D-7-3)33baa-6	05-26-61	530	7.7	12.0	270	74	21	—
	08-12-76	560	—	12.5	—	—	—	—
	08-10-77	540	—	13.0	—	—	—	—
	08-22-78	540	—	13.5	—	—	—	—
	09-03-80	580	—	13.0	—	—	—	—
	09-03-81	580	—	12.5	—	—	—	—
	09-20-82	580	—	13.0	—	—	—	—
	07-29-83	560	7.2	13.5	260	68	22	14
	07-17-84	530	7.4	12.5	260	68	22	14
	08-02-85	880	7.5	13.5	—	—	—	—
	07-03-86	580	7.2	13.0	270	68	24	20
	07-29-87	—	—	13.0	260	68	22	14
	06-15-88	550	—	13.0	—	—	—	—
	06-09-89	560	7.2	13.0	270	70	22	13
	07-19-90	540	7.4	12.5	—	—	—	—
	07-22-91	540	7.4	—	—	—	—	—
(D-7-3)34cdb-1	10-14-60R	—	—	—	270	72	23	17
	09-09-74	460	8.2	18.5	220	56	20	8.8
	08-18-75	350	6.7	16.5	190	47	18	3.6
	08-12-76	590	6.8	15.5	300	72	28	16
	07-12-77	600	6.7	17.0	290	70	29	17
	08-25-78	590	6.8	19.0	300	74	27	18
	07-30-79	500	7.8	18.5	250	61	24	11
	09-02-80	540	—	17.0	—	—	—	—
	07-30-81	630	8.2	14.0	290	69	28	17
	09-20-82	600	—	12.5	—	—	—	—
	06-15-88	580	7.7	13.0	290	69	29	17
	07-20-89	580	—	26.5	—	—	—	—
	07-19-90	590	7.5	17.5	—	—	—	—
	07-22-91	600	6.2	13.0	290	70	27	16
(D-8-1)3dda-1	05-06-91	7,960	—	25.0	1,300	360	97	1,200
(D-8-1)10bcb-1	07-03-91	9,400	6.3	36.0	1,600	440	110	1,500
(D-8-1)11bac-1	06-14-91	740	7.7	16.0	210	50	20	50
(D-8-1)35cac-2	09-04-80	850	—	15.5	—	—	—	—
(D-8-2)2daa-1	08-06-64	450	7.7	16.0	210	51	21	—

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
—	228	45	14	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1.6	—	47	14	.20	11	314	.76
1.7	—	45	10	.20	11	313	1.00
—	—	—	—	—	—	—	—
2.1	—	64	19	.20	12	348	.80
1.9	—	43	12	.20	11	310	.91
—	—	—	—	—	—	—	—
—	—	41	11	.10	11	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
5.2	224	55	26	.10	11	345	—
1.8	202	31	11	.20	9.3	263	.92
.50	179	14	3.3	—	6.8	200	—
2.3	236	59	19	.20	12	356	1.30
2.2	240	58	15	.20	12	346	—
2.4	220	57	20	.10	12	350	1.40
1.8	210	46	12	.20	10	296	1.00
—	—	—	—	—	—	—	—
2.1	—	57	14	.20	13	349	1.10
—	—	—	—	—	—	—	—
3.2	—	54	15	.30	13	354	1.40
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
2.1	—	55	15	.20	12	344	—
140	—	820	2,200	2.9	20	5,190	—
190	—	1,000	2,700	3.0	24	6,340	—
14	—	20	140	.90	52	424	—
—	—	—	—	—	—	—	—
—	—	17	12	—	25	—	—

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(D-8-2)2daa-1	06-09-89	480	7.8	15.0	220	52	21	15
(D-8-2)4cba-2	08-13-76	440	—	15.0	—	—	—	—
	09-20-82	440	—	15.5	—	—	—	—
(D-8-2)12ddc-1	05-03-65	630	7.7	12.0	190	30	27	75
	10-14-68	790	8.1	14.0	280	56	35	—
	09-03-69	740	7.8	12.0	260	30	44	—
	08-05-70	770	8.7	13.0	280	—	—	—
	10-14-71	780	—	14.0	—	—	—	—
	08-11-72	720	—	13.0	—	—	—	—
	06-18-73	800	8.0	—	270	62	29	71
	09-12-74	870	—	14.0	—	—	—	—
(D-8-2)12ddc-2	08-13-76	750	—	12.5	—	—	—	—
	05-27-64	440	—	16.5	200	46	20	25
	08-25-64	460	8.4	15.0	230	53	24	—
	09-03-69	480	8.0	14.0	240	49	28	—
	08-05-70	490	8.2	12.5	240	—	—	—
	10-14-71	490	—	15.5	—	—	—	—
	08-11-72	460	—	14.5	—	—	—	—
	06-18-73	470	—	14.0	—	—	—	—
	09-12-74	520	—	16.0	—	—	—	—
	08-13-76	500	—	15.5	—	—	—	—
	08-01-79	500	7.9	14.0	250	57	25	12
	09-04-80	530	—	15.0	—	—	—	—
	07-29-81	520	7.8	16.0	240	54	25	13
	09-20-82	520	—	16.0	—	—	—	—
	07-26-83	510	—	15.5	—	—	—	—
	07-17-84	510	7.6	16.0	240	55	26	13
(D-8-2)13abc-1	05-13-64	450	8.3	14.0	230	49	25	12
	08-17-90	520	7.9	15.5	250	59	25	11
(D-8-2)16caa-1	08-13-76	390	—	15.5	—	—	—	—
	09-17-79	360	—	15.0	—	—	—	—
	09-20-82	400	—	16.5	—	—	—	—
(D-8-2)23dca-2	05-27-64	440	—	16.5	200	46	20	25
	10-14-68	410	8.0	15.0	170	38	18	—
	07-30-70	390	8.6	14.0	170	—	—	—

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
—	—	17	9.1	.20	26	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	262	7.0	54	—	12	366	—
—	338	26	58	—	24	477	—
—	312	26	53	—	—	412	—
—	332	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
7.9	338	25	52	—	26	475	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
27	—	36	9.9	—	38	—	—
—	—	22	10	—	25	—	—
—	232	21	15	—	—	270	—
—	237	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
3.3	220	30	16	.20	28	304	.04
—	—	—	—	—	—	—	—
3.0	—	25	17	.20	29	298	0
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
3.1	—	25	15	.20	27	300	<.10
2.3	—	40	17	—	—	257	—
2.4	—	30	11	1.1	27	308	<.10
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	16	14	—	25	—	—
—	200	6.5	10	—	24	239	—
—	203	—	—	—	—	—	—

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(D-8-2)28cbd-3	08-30-89	980	—	22.0	—	—	—	—
(D-8-2)29add-1	05-03-65	510	—	14.0	240	54	25	17
	08-13-76	540	—	15.5	—	—	—	—
(D-8-2)31cbb-1	08-30-89	650	—	13.5	—	—	—	—
(D-8-2)31cda-1	06-06-89	500	7.5	20.0	—	—	—	—
(D-8-2)31cdb-1	08-30-89	1,270	—	19.0	—	—	—	—
(D-8-2)31cdb-2	08-04-64	430	7.7	19.0	150	34	17	—
	07-21-65	360	8.7	—	120	19	18	30
	06-06-89	3,050	6.9	28.0	—	—	—	—
(D-8-2)32daa-1	09-05-80	850	—	16.5	—	—	—	—
(D-8-2)34acd-1	07-21-65	660	8.8	13.5	280	43	41	40
	08-30-89	710	—	14.0	—	—	—	—
(D-8-2)34dda-1	05-03-65	610	7.9	13.5	270	55	31	36
	07-12-89	660	7.6	19.0	260	53	31	35
(D-8-2)36dbd-3	08-23-89	1,190	—	17.0	—	—	—	—
(D-8-3)11abb-1	06-27-89	500	7.6	—	—	—	—	—
(D-8-3)33acb-1	06-03-64	750	—	9.0	280	49	38	56
	08-22-89	900	—	13.0	—	—	—	—
	07-27-90	900	—	18.0	360	85	37	48
(D-9-1)14aad-2	07-25-83	470	—	14.0	—	—	—	—
(D-9-1)14ada-1	07-27-90	870	—	12.0	370	86	37	34
(D-9-1)14ada-2	06-03-64	600	8.3	13.5	250	46	33	30
	09-04-80	760	—	13.0	—	—	—	—
	07-25-83	760	—	13.0	—	—	—	—
	08-09-85	780	—	12.0	—	—	—	—
	07-23-90	840	7.7	12.0	—	—	—	—
(D-9-1)23ada-1	07-05-62	380	7.7	—	170	40	17	5.5
	08-07-62	410	7.8	—	210	48	21	6.4
	06-11-63	380	8.8	—	150	20	25	16
	08-28-63	420	8.1	—	170	27	26	16
	07-27-79	650	—	12.5	—	—	—	—
(D-9-1)26aaa-1	07-05-89	660	7.4	11.5	300	74	27	18
	08-22-89	650	—	11.0	—	—	—	—
(D-9-1)26aab-1	06-03-64	500	8.4	14.5	220	37	30	24
	09-04-80	750	—	15.5	—	—	—	—

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
—	—	—	—	—	—	—	—
—	225	33	12	—	49	325	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	29	15	—	63	—	—
10	—	41	12	—	—	215	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
24	—	1.9	19	—	—	388	—
—	—	—	—	—	—	—	—
—	307	3.9	19	—	26	362	—
—	—	3.0	19	.40	30	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
3.5	—	160	54	—	—	456	—
—	—	—	—	—	—	—	—
4.0	—	98	51	.30	17	531	.60
—	—	—	—	—	—	—	—
2.6	—	94	37	.20	25	522	7.80
2.3	—	100	46	—	—	349	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1.2	—	8.6	7.1	—	—	178	—
1.2	—	16	8.2	—	—	216	—
2.0	—	43	20	—	—	196	—
1.6	—	44	21	—	—	218	—
—	—	—	—	—	—	—	—
—	—	29	19	.20	19	—	—
—	—	—	—	—	—	—	—
2.3	—	75	26	—	—	286	—
—	—	—	—	—	—	—	—

Table 5.—*Chemical analyses of*

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(D-9-1)26aab-1	07-11-89	580	7.5	13.0	—	—	—	—
(D-9-1)26add-1	08-09-85	680	—	13.5	—	—	—	—
	07-31-90	620	7.4	11.0	—	—	—	—
¹ (D-9-1)35abb-1	06-03-63	460	8.4	—	230	58	21	6.4
	08-29-63	330	7.9	—	150	26	21	6.7
	07-02-65	290	8.5	—	140	19	23	7.1
	07-15-81	530	—	11.5	—	—	—	—
	07-23-90	530	7.5	11.0	270	66	26	6.7
(D-9-1)35bcd-2	07-16-81	700	—	14.0	—	—	—	—
	07-02-87	520	—	13.0	—	—	—	—
	08-01-90	660	7.8	18.0	—	—	—	—
(D-9-1)36acb-1	05-18-89	500	7.8	19.5	—	—	—	—
	07-10-89	470	7.7	12.0	—	—	—	—
(D-9-1)36bbc-1	07-05-62	470	7.5	—	220	56	20	6.2
	08-07-62	480	7.7	—	250	52	28	6.4
	07-01-63	330	8.5	—	160	30	21	6.2
	08-29-63	480	7.4	—	240	60	22	6.2
	07-13-64	480	7.5	10.0	250	63	23	6.4
	07-02-65	290	7.7	9.5	140	21	22	5.5
	07-29-65	300	8.3	9.5	150	24	22	6.4
	09-03-69	500	7.9	9.0	260	61	26	—
	08-11-72	520	—	10.0	—	—	—	—
	09-12-74	520	—	10.5	—	—	—	—
	08-16-76	520	7.3	10.0	280	75	23	5.9
	07-12-77	480	6.5	10.0	270	70	23	6.1
	07-15-81	530	7.6	11.0	270	69	23	6.7
	08-25-89	500	—	10.0	250	62	22	5.9
	07-23-90	490	7.4	10.0	260	63	24	6.0
(D-9-1)36cdd-1	07-13-64	560	7.5	9.5	300	78	26	7.1
	07-31-81	590	—	11.5	—	—	—	—
	07-11-89	520	7.7	12.0	—	—	—	—
	08-16-89	690	7.7	12.0	—	—	—	—
	07-27-90	500	7.5	10.0	260	68	21	6.4
(D-9-2)5ddb-1	05-24-89	1,000	7.0	14.0	—	—	—	—
(D-9-2)6ddb-1	05-24-89	800	7.4	14.0	—	—	—	—

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1.2	—	14	12	—	—	240	—
1.2	—	24	8.9	—	—	168	—
—	—	—	—	—	—	—	—
1.2	—	31	9.9	—	—	159	—
—	—	—	—	—	—	—	—
1.6	—	18	26	.30	19	293	2.20
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1.2	—	18	11	—	—	289	—
1.2	—	26	9.2	—	—	255	—
—	—	—	—	—	—	—	—
1.6	—	24	7.8	—	—	173	—
1.2	—	24	8.2	—	—	252	—
1.2	—	31	8.2	—	—	267	—
.80	—	24	11	—	—	153	—
.80	—	31	8.9	—	—	164	—
—	239	14	12	—	15	288	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1.4	230	21	14	.20	15	303	2.20
1.5	220	22	13	.20	16	285	—
—	—	—	—	—	—	—	—
1.5	—	22	28	.20	17	309	2.20
1.3	—	15	25	.30	16	276	1.50
1.3	—	13	25	.30	17	298	1.70
1.2	—	41	9.6	—	—	321	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1.2	—	20	13	.30	14	297	1.50
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	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)
(D-9-2)9bac-1	07-05-62	490	8.3	—	140	21	21	40
	08-07-62	570	8.0	—	210	42	25	34
	07-02-63	550	8.1	—	210	41	25	34
	08-01-63	690	7.7	—	290	73	26	33
	08-22-63	680	7.4	—	250	59	26	31
	07-14-64	520	8.3	14.5	190	31	27	34
	07-27-65	550	8.2	14.0	200	34	27	35
	07-30-70	680	8.1	12.5	290	67	29	—
	08-11-72	660	—	14.5	—	—	—	—
	07-30-73	730	—	14.5	—	—	—	—
	09-12-74	560	—	17.0	—	—	—	—
	08-13-76	700	7.3	14.0	310	78	27	30
	07-12-77	650	6.5	14.5	300	73	28	30
	08-23-78	650	6.8	14.0	290	71	27	29
	07-27-79	670	—	14.5	—	—	—	—
	08-01-79	670	—	14.5	—	—	—	—
	07-30-81	690	7.4	14.5	280	66	27	30
	09-20-82	650	—	14.5	—	—	—	—
	08-09-84	640	7.4	14.0	290	69	28	32
	07-02-87	580	7.3	14.0	270	67	26	180
(D-9-2)11aaa-1	08-23-89	640	—	15.0	—	—	—	—
	09-04-90	610	7.5	14.5	230	56	21	36
	08-19-91	630	7.5	14.5	—	—	—	—
	05-17-64	520	7.8	14.0	240	61	22	—
	08-16-76	570	—	14.0	—	—	—	—
(D-9-2)15cda-1	09-20-82	550	—	—	—	—	—	—
	07-19-90	550	7.5	14.5	270	66	26	15
	07-30-81	600	—	14.5	—	—	—	—
(D-9-2)19aca-1	07-10-89	540	7.6	14.0	—	—	—	—
	07-02-87	420	—	13.0	—	—	—	—
(D-9-2)19acb-1	07-10-89	690	8.0	14.0	—	—	—	—
	09-05-80	490	—	14.5	—	—	—	—
	07-26-83	510	—	14.5	—	—	—	—
	07-02-86	570	—	16.0	—	—	—	—
(D-9-2)36acd-1	05-11-89	540	6.9	12.0	—	—	—	—

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
12	—	50	37	—	—	265	—
9.4	—	49	37	—	—	309	—
9.0	—	61	37	—	—	314	—
9.0	—	52	42	—	—	386	—
8.6	—	33	41	—	—	344	—
9.8	—	83	36	—	—	294	—
9.4	—	66	35	—	—	307	—
—	268	41	33	—	51	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
9.0	261	48	32	.30	49	448	4.00
8.3	250	51	31	.20	49	423	—
8.2	250	45	29	.20	45	417	3.40
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
8.1	—	44	25	.20	53	423	3.00
—	—	—	—	—	—	—	—
9.1	—	47	30	.30	51	440	3.40
8.5	—	110	25	.30	50	644	3.40
—	—	—	—	—	—	—	—
10	—	34	33	.20	56	402	2.90
—	—	—	—	—	—	—	—
—	—	27	24	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1.2	—	28	19	.20	13	307	1.10
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—

Table 5.—Chemical analyses of

Well number	Date sampled	Specific conductance (μS/cm)	pH, field (standard units)	Temperature (°C)	Hardness, total (mg/L as CaCO ₃)	Calcium, dis-solved (mg/L as Ca)	Magnesium, dis-solved (mg/L as Mg)	Sodium, dis-solved (mg/L as Na)
(D-9-3)5bbd-1	07-14-64	380	8.5	12.0	170	27	26	14
	09-03-69	560	7.9	11.0	270	65	27	—
	10-14-71	530	—	12.5	—	—	—	—
	08-11-72	650	7.5	12.5	320	73	33	18
	07-31-73	550	—	12.0	—	—	—	—
	08-17-76	670	7.2	12.5	300	75	28	16
	07-12-77	620	6.5	12.5	310	75	31	19
	08-23-78	590	6.8	12.5	300	72	29	18
	08-01-79	650	—	12.5	—	—	—	—
	09-04-80	600	—	15.5	—	—	—	—
(D-10-1)1acd-2	07-14-89	730	7.2	15.0	—	—	—	—
(D-10-1)2adb-1	07-29-65	—	—	—	170	—	—	—
	07-05-66	530	7.8	9.5	280	75	22	5.3
	07-30-80	530	—	11.0	—	—	—	—
	07-14-89	500	7.6	12.0	—	—	—	—
	08-17-90	540	7.9	10.5	270	71	22	6.4
(D-10-1)2ddd-1	08-22-89	570	7.3	10.0	—	—	—	—
(D-10-1)19bad-1	07-15-81	2,100	—	23.0	—	—	—	—
	06-30-86	2,060	—	21.0	—	—	—	—
(D-10-1)19bdc-1	09-04-80	2,000	—	21.5	—	—	—	—
	07-02-86	2,130	—	21.5	—	—	—	—
(D-10-1)30bac-1	08-09-85	3,800	—	22.0	—	—	—	—
	07-12-89	3,550	7.1	23.5	—	—	—	—
	08-29-90	3,410	7.4	24.0	500	110	54	460

¹ Actual location is different than historic record. See footnote, table 1.

water from selected wells—Continued

Potassium, dis- solved (mg/L as K)	Alkalinity, field (mg/L as CaCO ₃)	Sulfate, dis- solved (mg/L as SO ₄)	Chloride, dis- solved (mg/L as Cl)	Fluoride, dis- solved (mg/L as F)	Silica, dis- solved (mg/L as SiO ₂)	Solids, sum of constituents, dissolved (mg/L)	Nitrogen NO ₂ +NO ₃ , dissolved (mg/L as N)
1.2	—	44	16	—	—	212	—
—	248	35	19	—	13	327	—
—	—	—	—	—	—	—	—
1.6	261	55	22	—	15	374	—
—	—	—	—	—	—	—	—
1.3	253	53	19	.20	12	360	.90
1.5	250	56	21	.10	13	369	—
1.6	200	54	28	.20	13	338	.94
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
.80	—	30	17	—	—	291	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
1.3	—	21	21	1.1	13	296	2.10
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—
38	—	120	860	.30	36	1,860	.50

Table 6.—Measurements of discharge, temperature, and specific conductance of water from selected springs
[—, no data]

Location of spring or measurement site: See figure 1 for explanation of the numbering system for hydrologic data sites.

Discharge: ft³/s, cubic feet per second.

Temperature: °C, degrees Celsius.

Specific conductance: µS/cm, microsiemens per centimeter at 25 degrees Celsius.

Location of spring	Location of measurement site	Name of spring	Date of measurement	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (µS/cm)
(D-7-3)28d-S1	(D-7-3)28bcd	Spring Creek	07-02-90	15	15.5	—
			10-16-90	16	14.0	—
			04-02-91	15	—	—
(D-7-3)30a-S1	(D-7-3)30abb	Unnamed springs	11-14-90	.12	11.0	840
(D-7-3)32dba-S1	(D-7-3)31add	Wood Springs	05-31-90	¹ 3.8	15.5	—
			10-16-90	¹ 3.9	15.0	—
			04-02-91	² 2.9	—	—
(D-8-3)3a-S1	(D-8-3)3abc	Wheeler Springs	05-31-90	1.1	14.0	—
			10-16-90	.89	14.0	—
			04-02-91	³ 1	—	—
(D-8-3)3dbb-S1	(D-8-3)3dbb	Clyde Springs	05-31-90	.55	13.0	—
			10-16-90	.72	13.0	—
			04-02-91	.02	—	—
(D-8-3)9d-S1	(D-8-3)9bac	Holley Springs	05-25-90	3.4	18.5	—
			10-22-90	4.1	9.0	—
			04-02-91	2.4	—	—
(D-9-2)11abd-S1	(D-9-2)11abd	Salem Lake Springs	06-01-90	5.0	16.0	—
			10-22-90	6.1	10.0	—
(D-9-2)29ac-S1	(D-9-2)29acc	Unnamed springs	08-22-89	⁴ 1.0	—	—
(D-9-2)29cbb-S1	(D-9-2)29cbb	Spring Lake Springs	06-01-90	⁴ 3.3	14.0	—
			10-17-90	⁴ 2.4	13.0	—
(D-9-1)25aac-S1	(D-9-1)24ddc	North Holladay Springs	06-12-90	1.1	13.5	—
			10-17-90	.78	8.0	—
(D-9-1)25adb-S1	(D-9-1)25ada	South Holladay Springs	06-12-90	.67	16.0	—
			10-17-90	.46	8.5	—

¹ Includes about 0.5 ft³/s from Matson Springs.

² Includes 0.14 ft³/s from Matson Springs.

³ Estimated.

⁴ Includes about 0.4 ft³/s from flowing wells.

Table 7.—Measurements of discharge, temperature, and specific conductance of water from selected springs, drains, and sloughs during seepage studies

[—, no data]

Location of measurement site: See figure 1 for explanation of the numbering system for hydrologic-data sites. Listed in downstream order.

Inflow and outflow: Measured inflow to or outflow from the spring channel.

Discharge: ft³/s, cubic feet per second. Used to determine ground-water discharge to springs and drains.

Upstream measurement plus inflow minus outflow may not equal downstream measurement because of stream leakage, ground water discharge, or measurement error.

Temperature: °C, degrees Celsius.

Specific conductance: µS/cm, microsiemens per centimeter at 25 degrees Celsius.

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (µS/cm)
Spring Creek north channel, November 14, 1990				
(D-7-3)28bca		15	13.0	890
(D-7-3)20bda		15	12.5	1,070
(D-7-3)20bbd	Inflow from industrial effluent	.43	38.0	880
(D-7-3)19bda		15	15.0	1,180
Spring Creek south channel, November 14, 1990				
(D-7-3)28bcb		2.1	12.0	1,050
(D-7-3)20cdb	Inflow from flowing well	.22	—	—
(D-7-3)20cdb	Inflow from waste-water treatment plant	5.1	—	—
(D-7-3)20cdb		9.4	12.5	780
Wood Springs channel, November 14, 1990				
(D-7-3)31add		13.9	13.5	620
(D-7-3)30cdd		6.4	8.0	760
Matson Springs channel, November 14, 1990				
(D-7-3)32ddd	Inflow from flowing well	1.1	16.0	560
(D-7-3)32cda		2.6	14.0	470
(D-7-3)32cda	Outflow to Wood Springs area	1.5	—	—
(D-7-3)31cdb		1.6	14.0	610

**Table 7.—Measurements of discharge, temperature, and specific conductance of water from selected springs, drains, and sloughs during seepage studies—
Continued**

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Dry Creek, November 15, 1990				
(D-8-3)5cdc		1.9	9.0	840
(D-8-3)5cdc	Inflow from Holley Springs	4.5	8.0	900
(D-8-3)5ccc	Inflow from unnamed springs	4.8	8.0	940
(D-8-3)6ddd	Inflow from flowing wells	.20	—	—
(D-8-3)6ccd	Inflow from waste-water treatment plant	3.7	—	—
(D-8-2)1dda	Inflow from unnamed drains	.38	10.5	580
(D-7-2)36dcc		16	9.5	1,070
Holley Springs channel, November 15, 1990				
(D-8-3)9bac		5.0	10.0	910
(D-8-3)5cdc		4.5	8.0	900
Unnamed channel, November 15, 1990				
(D-8-3)18add		1.2	7.0	1,070
(D-8-3)8cbd		1.4	8.0	1,130
(D-8-3)5ccc		4.8	8.0	940
Spring Creek (near Payson), March 28, 1991				
(D-9-2)29cbb		² 2.8	8.5	470
(D-9-2)30dad	Inflow from unnamed field drain	.06	9.0	1,020
(D-9-2)30daa	Outflow to West Ditch area	.18	10.5	485
(D-9-2)19bba		4.1	—	—
(D-9-2)18ccd	Inflow from West Ditch	1.0	—	—
(D-9-1)13ddd	Inflow from South Holladay Springs	.61	—	—
(D-9-1)13ddc	Inflow from North Holladay Springs	1.4	—	—
(D-9-2)7bba		6.8	8.0	710
(D-8-1)36dba		7.9	9.0	760

**Table 7.—Measurements of discharge, temperature, and specific conductance of water from selected springs, drains, and sloughs during seepage studies—
Continued**

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Beer Creek and Benjamin Slough, March 28, 1991				
(D-8-1)36aad	Beer Creek	22	12.5	1,040
(D-8-1)36dba	Inflow from Spring Creek	7.9	9.0	760
(D-8-1)36dba	Inflow from Dry Hollow	1.2	11.5	1,400
(D-8-1)23aba	Benjamin Slough	33	12.0	1,060
North Holladay Springs channel, March 28, 1991				
(D-9-1)24ddc		.82	15.0	700
(D-9-1)13ddc		1.4	—	—
South Holladay Springs channel, March 28, 1991				
(D-9-1)25ada		³ 5.9	12.0	750
(D-9-1)25ada	Inflow from flowing wells	14	—	—
(D-9-1)13ddd		.61	—	—
Dry Hollow, March 28, 1991				
(D-9-1)12bdd		.36	—	—
(D-8-1)36dba		1.2	11.5	1,400
Beer Creek, March 29, 1991				
(D-8-2)35cdd		1.9	4.5	1,350
(D-8-2)35cdc	Inflow from waste-water treatment plant	.62	7.5	1,110
(D-9-2)3abc	Inflow from Salem Lake	6.4	10.5	770
(D-9-2)3bca		10	7.0	940
(D-8-2)33bbc		14	9.0	990
(D-8-2)32aac	Inflow from waste-water treatment plant	1.3	—	—
(D-8-2)31bb	Inflow from flowing wells	1.2	⁴ 14.0	⁴ 880
(D-8-1)36aad		20	—	—

¹ Includes 1.5 ft³/s from Matson Springs.

² Includes about 0.4 ft³/s from flowing wells.

³ Includes 0.11 ft³/s from flowing wells.

⁴ Average of two flowing wells.

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals

[—, no data]

Location of measurement site: See figure 1 for explanation of the numbering system for hydrologic-data sites. Listed in downstream order. Unknown, exact location not known, is between known listed locations.

Inflow and outflow: Measured inflow to and outflow from the stream. Calculated inflow or outflow was determined by measuring the stream above and below the inflow or outflow. Diversion number refers to system used by the Strawberry Highline Canal Company.

Discharge: ft³/s, cubic feet per second. Used to determine interaction between streams and ground-water system. Upstream measurement plus inflow minus outflow may not equal downstream measurement because of stream leakage, ground-water discharge, or measurement error.

Temperature: °C, degrees Celsius.

Specific conductance: µS/cm, microsiemens per centimeter at 25 degrees Celsius.

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (µS/cm)
Spanish Fork River, August 30, 1965				
(D-8-3)33acc		11	—	—
(D-8-3)32daa	Inflow from Mill Race Canal	1.0	—	—
(D-8-3)32cac		9.7	—	—
Spanish Fork River, September 3, 1965				
(D-8-3)34cda		3.8	—	—
(D-8-3)34bbc	Inflow from springs	1.1	—	—
(D-8-3)34bbb		7.4	—	—
Spanish Fork River, September 13, 1965				
(D-8-3)34bbb		8.9	11.5	—
(D-8-3)28ddc	Inflow from industrial effluent	.48	—	—
(D-8-3)33acb		7.4	—	—
Spanish Fork River, October 5, 1965				
(D-8-2)25ada		18	11.5	—
(D-8-2)25bab	Inflow from ditch	.48	—	—
(D-8-2)23dca		23	13.5	—
Spanish Fork River, October 8, 1965				
(D-8-2)23dca		32	—	—
(D-8-2)22dad	Inflow from South Field Canal	4.0	—	—
(D-8-2)22da	Inflow from ditch	.06	—	—
(D-8-2)22add		33	—	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Spanish Fork River, October 12, 1965				
(D-8-2)15dcd		25	—	—
(D-8-2)15d	Inflow from ditch	.28	—	—
(D-8-2)15cab		22	—	—
Spanish Fork River, October 13, 1965				
(D-8-2)15cab		38	—	—
Unknown	Inflow from drains	.22	—	—
(D-8-2)9aad		31	—	—
Spanish Fork River, June 1, 1966				
(D-9-3)2cab		107	—	—
(D-8-3)35ccc	Outflow to East Bench Canal	103	—	—
(D-8-3)34cdd		18	—	—
(D-8-3)34bbb		20	—	—
(D-8-3)28ddc	Inflow from industrial effluent	.03	—	—
(D-8-3)33acb		21	—	—
Spanish Fork River, June 2, 1966				
(D-8-3)33acc		31	—	—
(D-8-3)31acd	Inflow from drain	1.1	—	—
(D-8-3)30ccc	Inflow from ditch	.60	—	—
(D-8-2)25add		31	—	—
Spanish Fork River, June 3, 1966				
(D-8-2)25ada		18	—	—
(D-8-2)25ada	Inflow from drains	.03	—	—
(D-8-2)23dca		21	—	—
(D-8-2)22dad	Inflow from South Field Canal	.39	—	—
(D-8-2)22da	Inflow from ditch	.31	—	—
(D-8-2)22da	Inflow from ditch	.05	—	—
(D-8-2)22add		21	—	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Spanish Fork River, September 29, 1966				
(D-8-3)34cda		3.9	—	—
(D-8-3)34bbb		7.2	15.5	—
(D-8-3)33acb		6.7	—	—
Spanish Fork River, September 30, 1966				
(D-8-3)33acc		20	—	—
(D-8-3)32cac		22	—	—
(D-8-3)31baa		21	—	—
(D-8-3)30c	Inflow	1.1	—	—
(D-8-2)25add		23	15.5	—
Spanish Fork River, October 3, 1966				
(D-8-2)25ada		77	11.0	500
(D-8-2)23dca		78	12.0	520
Unknown	Inflow from ditches	.33	—	—
(D-8-2)22aba	Outflow to South Ditch	27	—	—
(D-8-2)15dca		49	13.0	520
Unknown	Inflow from ditches and well	.60	—	—
(D-7-2)32ddd		39	—	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Mapleton Lateral, May 26, 1966				
(D-8-3)34cda		43	11.0	—
(D-8-3)34acc		40	—	—
(D-8-3)34aba		41	—	—
(D-8-3)27acc		39	13.0	—
(D-8-3)23bdd		40	—	—
(D-8-3)23bdd	Outflow to ditch	6.8	—	—
(D-8-3)14aac		34	15.0	—
(D-8-3)14aac	Outflow to pump	.97	—	—
(D-8-3)11ddb		33	—	—
(D-8-3)11ddb	Calculated inflow from Maple Creek	7.5	—	—
(D-8-3)11ddb	Outflow to ditch	11	—	—
(D-8-3)11adb		30	—	—
(D-8-3)11aac	Outflow to ditch	11	—	—
(D-8-3)11aac		17	—	—
(D-8-3)11aba		17	16.0	—
(D-8-3)11aba	Calculated outflow to Fullmer Ditch	8.6	—	—
(D-8-3)2dcd		7.9	—	—
(D-8-3)2dca		7.7	—	—
Mapleton Lateral, September 29, 1966				
(D-8-3)34acc		18	11.0	—
(D-8-3)34aba		17	—	—
(D-8-3)27acc		18	—	—
(D-8-3)23bdd		18	—	—
(D-8-3)14aac		19	—	—
(D-8-3)11ddb	Outflow to ditch	.14	—	—
(D-8-3)11ddb		18	—	—
(D-8-3)11aac	Outflow to ditch	.88	—	—
(D-8-3)2dcd		18	—	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site		Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Strawberry Highline Canal, September 28, 1965					
(D-8-3)33dbb			44	—	—
Unknown	Inflow		.17	—	—
Unknown	Outflow		3.3	—	—
(D-9-2)16adc			37	—	—
Strawberry Highline Canal, May 31, 1966					
(D-9-2)31acc			79	—	—
(D-9-2)31cbd	Outflow to diversion #24A		2.4	—	—
(D-9-1)36dad	Outflow to diversion #25		2.1	—	—
(D-9-1)36dad			70	—	—
(D-9-1)36acb	Outflow to diversion #26		3.7	—	—
(D-9-1)36bbc			66	—	—
(D-9-1)36bbc	Inflow from well		4.4	—	—
(D-9-1)35aaa	Outflow to diversion #27		3.6	—	—
(D-9-1)35aaa			70	—	—
(D-9-1)35abb	Inflow from well		8.7	—	—
(D-9-1)26cbb			78	15.5	—
Strawberry Highline Canal, June 1, 1966					
(D-8-3)33dbb			139	14.0	—
(D-9-3)5aaa	Outflow to diversion #3		13	—	—
(D-9-3)5adb			124	—	—
(D-9-3)7dbc			121	—	—
(D-9-3)7dbc	Calculated outflow to diversion #7		5.1	—	—
(D-9-3)7cdb	Outflow to diversion #8		.01	—	—
(D-9-2)13abc			111	—	—
(D-9-2)13bad	Calculated outflow to diversion #10		3.1	—	—
(D-9-2)13bd	Outflow to diversion #10-1		4.4	—	—
(D-9-2)14daa	Outflow to diversion #11		2.8	—	—
(D-9-2)14ccc			100	—	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Strawberry Highline Canal, June 2, 1966				
(D-9-2)14ccc		85	12.0	—
(D-9-2)22bba	Outflow to diversion #14.5	.65	—	—
(D-9-2)22bbb		77	13.0	—
(D-9-2)21bab	Outflow to diversion #18	1.4	—	—
(D-9-2)21bba	Outflow to diversion #19	5.2	—	—
(D-9-2)21bb	Outflow to diversion #19.5	1.1	—	—
(D-9-2)21bcb	Outflow to diversion #20	27	—	—
(D-9-2)21bcb	Outflow to diversion #20B	3.2	—	—
(D-9-2)31acc		41	16.0	—
Strawberry Highline Canal, September 26, 1966				
(D-8-3)33dbb		73	—	—
(D-9-3)5aaa	Outflow to diversion #3	.19	—	—
(D-9-3)5adb		73	—	—
(D-9-3)7dbc		72	14.0	—
(D-9-2)13abc		71	14.5	—
(D-9-2)14cda	Outflow to diversion #12	2.8	—	—
(D-9-2)14ccc		68	—	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Strawberry Highline Canal, September 27, 1966				
(D-9-2)14ccc		64	—	—
(D-9-2)22bba		64	13.0	—
(D-9-2)21bab	Outflow to diversion #18	7.0	—	—
(D-9-2)21bcb	Outflow to diversion #20A	6.0	—	—
(D-9-2)20ddb	Outflow to diversion #21	.20	—	—
(D-9-2)31acc		48	14.0	—
(D-9-2)31cbd	Outflow to diversion #24A	.01	—	—
(D-9-1)36dad	Outflow to diversion #25	1.5	—	—
(D-9-1)36bbc		45	14.5	—
(D-9-1)35aaa	Outflow to diversion #27	4.0	—	—
(D-9-1)35a	Outflow to diversion #27.5	2.4	—	—
(D-9-1)26cbb		44	15.5	—
South Field Canal, September 13, 1965				
(D-8-3)32dda		10	—	—
(D-8-2)25dbc		10	15.5	—
South Field Canal, June 8, 1966				
(D-8-3)32dda		33	12.0	—
(D-8-3)31cdd		32	—	—
(D-8-2)36acd		35	15.0	—
(D-8-2)36acb	Outflow	4.9	—	—
(D-8-2)25dbc		30	—	—
South Field Canal, October 3, 1966				
(D-8-3)32dda		17	—	—
(D-8-3)32c	Outflow	4.3	—	—
(D-8-3)31cdd		13	11.5	—
(D-8-3)36acd		14	—	—
(D-8-3)25dbc		13	11.5	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
South Field Canal, October 5, 1966				
(D-8-2)25dbc		4.9	—	—
(D-8-2)23ccc		4.6	12.0	—
Mill Race Canal, August 30, 1965				
(D-8-3)33acc		56	14.5	—
(D-8-3)33cab	Outflow	8.9	—	—
(D-8-3)32add	Outflow to Spanish Fork River	1.0	—	—
(D-8-3)19cdc		45	16.5	—
Mill Race Canal, June 9, 1966				
(D-8-3)33acc		51	—	—
(D-8-3)32bab		57	13.0	—
(D-8-3)30ddd		55	15.0	—
(D-8-3)30dbb		59	—	—
(D-8-3)30b	Outflow	.61	—	—
(D-8-3)19cdc		55	15.0	—
(D-8-3)19cca	Outflow	3.0	—	—
(D-8-2)24dca		50	—	—
Mill Race Canal, September 30, 1966				
(D-8-3)33acc		39	—	—
(D-8-3)32bab		38	—	—
(D-8-3)32bb	Outflow	5.7	—	—
(D-8-3)30dbb		34	—	—
(D-8-3)19cdc		34	—	—
(D-8-3)19cca	Outflow	2.5	—	—
(D-8-2)24dca		34	—	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
East Bench Canal, August 25, 1965				
(D-8-3)34ddd		14	—	—
(D-8-3)27ccb		12	—	—
East Bench Canal, June 15, 1966				
(D-8-3)34ddd		78	—	—
(D-8-3)27ccb		75	18	—
(D-8-3)27cbc	Outflow	9.0	—	—
(D-8-3)28dac	Outflow	16	—	—
(D-8-3)28dac	Outflow	2.6	—	—
(D-8-3)28dbb	Outflow	8.6	—	—
(D-8-3)28bbd	Outflow	8.3	—	—
(D-8-3)29aaa		32	—	—
East Bench Canal, October 6, 1966				
(D-8-3)34ddd		17	—	—
(D-8-3)27ccb		15	9.0	—
(D-8-3)28dac	Outflow	9.3	—	—
(D-8-3)29aaa		5.7	9.5	—
South Ditch, June 17, 1966				
(D-8-2)22aba		52	15.0	—
(D-8-2)15caa	Outflow	18	15.5	—
(D-8-2)16dad	Outflow	15	16.0	—
(D-8-2)16dcc		17	16.5	—
(D-8-2)21bbd	Outflow	1.9	—	—
(D-8-2)20caa		14	16.5	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Hobble Creek, August 17, 1965				
(D-8-3)1dbc		.77	—	—
(D-8-3)1cac		5.4	—	—
(D-8-3)1cca		5.2	—	—
(D-8-3)1ccb	Inflow from canal	1.7	—	—
(D-8-3)2ddb		6.7	—	—
(D-8-3)2dca	Inflow from Mapleton Lateral	11	—	—
(D-8-3)2dca	Outflow to canal	7.7	—	—
(D-8-3)2dca		5.3	—	—
(D-8-3)2ccb	Outflow to irrigation ditch	5.0	—	—
(D-8-3)3dda	Calculated inflow from pipe	.48	—	—
(D-8-3)3dda		2.8	—	—
Hobble Creek, August 18, 1965				
(D-8-3)3dda		2.8	—	—
(D-8-3)3acc	Inflow from springs	.20	—	—
(D-8-3)3bbd	Inflow from drains	.87	—	—
(D-8-3)4aaa		13	—	—
Hobble Creek, August 19, 1965				
(D-8-3)3dda		4.7	—	—
(D-8-3)4aaa		18	—	—
Hobble Creek, August 23, 1965				
(D-8-3)3dda		1.5	—	—
(D-8-3)4aaa		9.9	—	—
Hobble Creek, September 22, 1965				
(D-8-3)4aaa		26	11.5	—
(D-7-3)29dcc		29	12.0	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Hobble Creek, May 24, 1966				
(D-8-3)1cac		18	8.5	—
(D-8-3)2ddb		20	9.5	—
(D-8-3)2dca	Outflow	8.4	—	—
(D-8-3)2	Outflow	7.6	—	—
(D-8-3)3d	Calculated inflow from pipe	2.6	—	—
(D-8-3)3b	Inflow from springs	1.6	—	—
(D-8-3)4aaa		19	—	—
Hobble Creek, September 23, 1966				
(D-8-3)1cac		3.8	10.5	—
(D-8-3)2ddb		2.8	11.5	—
Hobble Creek, September 27, 1966				
(D-8-3)2dca		1.2	—	—
(D-8-3)2ccb	Outflow to irrigation ditch	1.9	—	—
(D-8-3)3dda		1.0	13.0	410
(D-8-3)3dbb		4.8	13.0	600
(D-8-3)3b	Inflow from Wheeler Springs	.64	—	—
(D-8-3)4aaa		7.5	13.5	560
Hobble Creek, October 4, 1966				
(D-8-3)4aaa		5.2	11.5	540
(D-7-3)29dcc		5.4	12.0	540
Hobble Creek, May 23, 1990				
(D-8-4)6abb		17	14.5	—
Hobble Creek, November 14, 1990				
(D-7-3)29dcc		19	8.5	520
(D-7-3)30acc	Outflow	.04	—	—
(D-7-3)30bda		21	9.0	540

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site		Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Springville Highline Canal, June 3, 1965					
(D-8-3)1acc			8.3	—	—
(D-8-3)2adb			7.5	—	—
Springville Highline Canal, July 23, 1965					
(D-8-3)1acc			8.0	—	—
Unknown	Outflow		.09	—	—
(D-8-3)2adb			6.1	—	—
Springville Highline Canal, May 23, 1966					
(D-8-4)6bab			6.7	—	—
(D-8-3)1acc			6.4	—	—
Springville Highline Canal, September 28, 1966					
(D-8-4)6bab			11	11.0	420
(D-8-3)1acc			8.8	10.5	430
Swenson Ditch, September 29, 1966					
(D-8-3)4aaa			7.9	—	—
(D-8-3)4bbd			7.1	—	—
Fullmer Ditch, May 25, 1966					
(D-8-3)12bbb			9.4	—	—
(D-8-3)11aba	Inflow from Mapleton Lateral		10	—	—
(D-8-3)11baa			18	—	—
Fullmer Ditch, October 5, 1966					
(D-8-3)1cdc			13	9.0	440
Unknown	Outflow		1.3	—	—
(D-8-3)3cdc			7.5	—	—

Table 8.—Measurements of discharge, temperature, and specific conductance of water from selected streams and canals—Continued

Location of measurement site	Inflow and outflow	Discharge (ft ³ /s)	Temperature (°C)	Specific conductance (μS/cm)
Area of West Fields Irrigation Company, November 15, 1990				
(Measurements given below include all known surface inflow and outflow from the West Fields Irrigation Company area)				
(D-8-2)24acc	Inflow from Mill Race Canal	9.6	7.5	930
(D-8-2)23dba	Unnamed inflow	¹ .05	—	—
(D-8-2)9aad	Unnamed outflow	.08	11.5	485
(D-8-2)4aab	Unnamed outflow	.42	9.0	² 2,460
(D-7-2)34ddc	Unnamed outflow	2.8	8.0	895
(D-7-2)35ccc	Unnamed outflow	1.4	9.0	925
(D-7-2)35ccd	Unnamed outflow	1.8	8.5	930
(D-8-2)2abb	Unnamed outflow	.03	12.0	410
(D-8-2)1bbb	Unnamed outflow	.8	9.5	990
Peteetneet Creek West Ditch, March 28, 1991				
(D-9-2)21bbc		3.4	—	—
(D-9-2)20bc	Inflow	.18	—	—
(D-9-2)18ccd		.96	—	—
Summit Creek, May 23, 1990				
(D-10-1)13d		17	12.0	—
Kimball Creek, May 25, 1990				
(C-11-2)13cdc		.15	17.5	—

¹ Estimated.

² Specific conductance is higher than other values because the flow at this site is composed mainly of ground-water discharge.