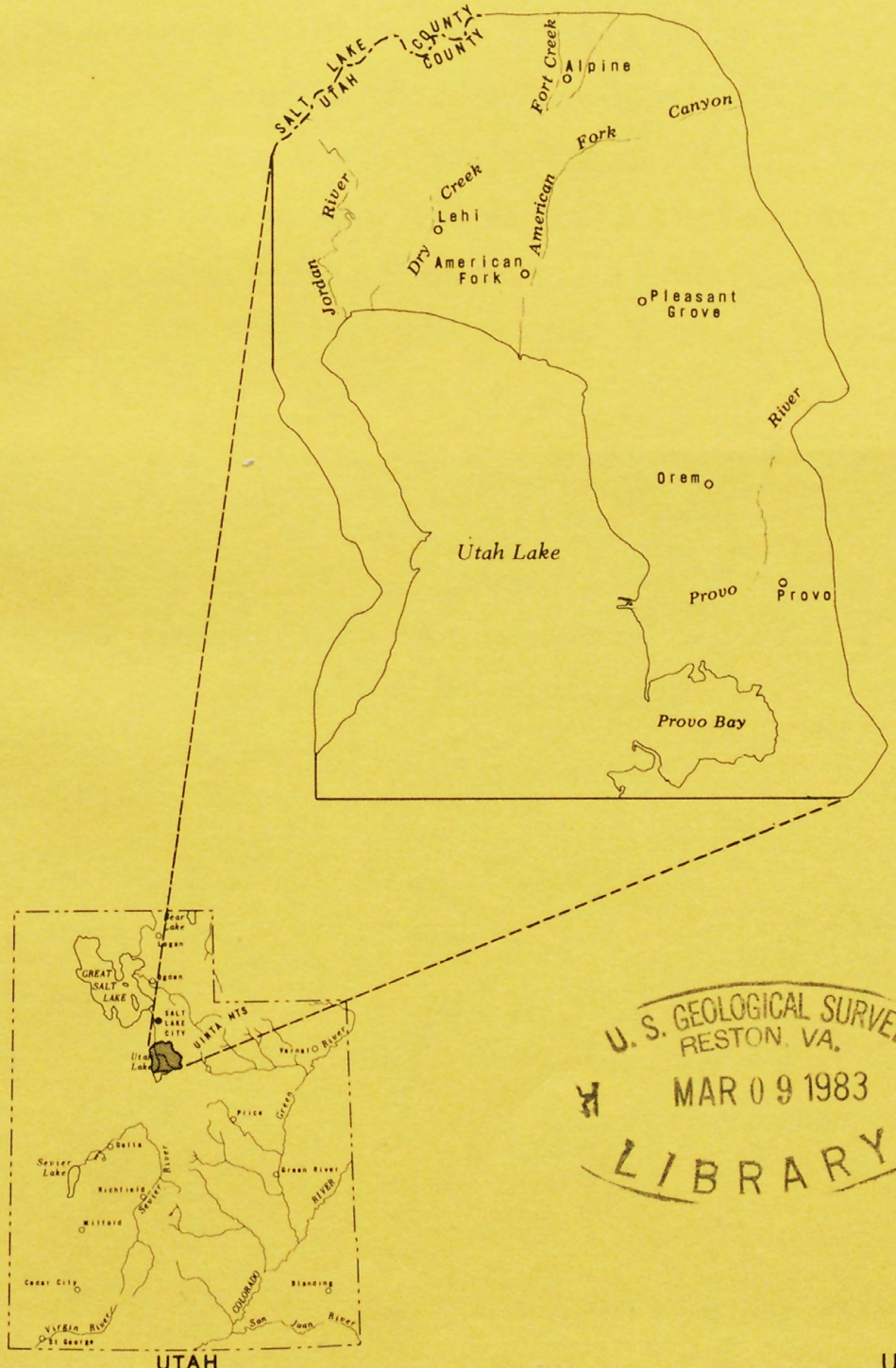
UTAH HYDROLOGIC-DATA REPORT NO. 39

SELECTED HYDROLOGIC DATA FOR NORTHERN UTAH VALLEY, UTAH, 1935-82



U.S. GEOLOGICAL SURVEY
OPEN-FILE REPORT 82-1023

1982

HYDROLOGIC-DATA REPORTS: This is the thirty-ninth in a series of hydrologic-data reports prepared by the U.S. Geological Survey. The basic data included in this series of reports generally consists of well and spring records, water levels and artesian pressures in wells, logs of wells, records of stream discharge, and water-quality analyses of samples collected during a detailed investigation or during a basic-records program. Pending publication of an interpretive companion report, much use of the basic data can be made by the public and other interested users.

Ted Arnow
District Chief
U.S. Geological Survey
In charge of water-resources
investigations in Utah

UNITED STATES
DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

SELECTED HYDROLOGIC DATA FOR NORTHERN UTAH VALLEY, UTAH, 1935-82

By Cynthia L. Appel, David W. Clark, and Paul E. Fairbanks

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Open-File Report 82-1023

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

Salt Lake City, Utah

1982

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[Plate is in pocket]

TABLES

CONVERSION FACTORS

Most values in this report are given in inch-pound units. For readers who prefer using metric units the conversion factors are shown to four significant figures.

Inch-pound			Metric	
Unit (Multiply)	Abbreviation	(by)	Unit (to obtain)	Abbreviation
Acre	--	0.4047	Square hectometer	hm^2
		0.004047	Square kilometer	km^2
Cubic foot per second	ft^3/s	0.02832	Cubic meter per second	m^3/s
Foot	ft	0.3048	Meter	m
Gallon per minute	gal/min	0.06309	Liter per second	L/s
Inch	in.	25.40	Millimeter	mm
		2.540	Centimeter	cm
Mile	mi	1.609	Kilometer	km
Square mile	mi^2	2.590	Square kilometer	km^2

Chemical concentration is given in milligrams per liter (mg/L) or micrograms per liter (µg/L). Milligrams per liter is a unit expressing the solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. For concentrations less than 7,000 milligrams per liter, the numerical value is about the same as for concentrations in parts per million.

Water temperature is given in degrees Celsius (^oC), which can be converted to degrees Fahrenheit (^oF) by the following equation: $^oF=1.8(^oC)+32$.

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INTRODUCTION

This report contains hydrologic data collected in northern Utah Valley from 1935 to 1982. Northern Utah Valley is approximately the northern half of an alluvial-filled basin partly occupied by Utah Lake in north-central Utah. The report area is bounded by the Wasatch Range on the east, the Lake Mountains on the west, and the Traverse Mountains on the north. Its southern boundary is the boundary between Townships 7 and 8 south, Salt Lake Base Line and Meridian.

Most of the data in this report were collected from 1980 to 1982 by the U.S. Geological Survey in cooperation with the Utah Department of Natural Resources, Division of Water Rights. Some of the data were previously published by Hunt, Varnes, and Thomas (1953); Subitzky (1962); Cordova and Subitzky (1965); and Mundorff (1974).

The purpose of this report is to provide hydrologic data for use by officials managing water resources and the general public and to supplement an interpretive report for the area to be published at a later date. From tables 1-5 of this report individuals can determine depth to water-bearing units, water levels in wells, well yields, or chemical quality of ground water at respective sites shown on plate 1. The report also provides water discharge and quality data for springs, drains, ditches, canals, streams, and rivers (tables 6-8).

Altitudes given in this report are referenced to the National Geodetic Vertical Datum of 1929, formerly called "mean sea level". This is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada.

NUMBERING SYSTEM FOR HYDROLOGIC-DATA SITES USED IN UTAH

The system of numbering wells, springs, and other hydrologic-data sites in Utah is based on the cadastral land-survey system of the U.S. Government. The number, in addition to designating the site, describes its position in the land net. By the land-survey system, the State is divided into four quadrants by the Salt Lake Base Line and Meridian, and these quadrants are designated by the uppercase letters A, B, C,and D, indicating the northeast, northwest, southwest, and southeast quadrants, respectively. Numbers designating the township and range (in that order) follow the quadrant letter, and all three are enclosed in parentheses. The number after the parentheses indicates the section, and is followed by three letters indicating the quarter section, the quarter-quarter section, and the quarter-quarter-quarter section--generally 10 acres;[1] the letters a, b, c, and d indicate, respectively, the northeast, northwest, southwest, and southeast quarters of each subdivision. In tables 2, 5, and 8 (which are direct computer printouts) uppercase letters are used to designate both the quadrant and the quarter section, quarter-quarter section, and the quarter-quarter-quarter section. The number after the letters is the serial number of the well or spring within the 10-acre tract; the letter "S" preceding the serial number denotes a spring. The letters following the serial number denote D, a drain, ditch, or canal and W, a stream or river. Thus, (D-5-1)8dcc-1 designates the first well constructed or visited in the SW¼SW¼SE¼ sec. 8, T. 5 S., R. 1 E. The numbering system is illustrated in figure 1.

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[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 southeast corner, and the surplus or shortage is taken up in the tracts along the north and west sides of the section.

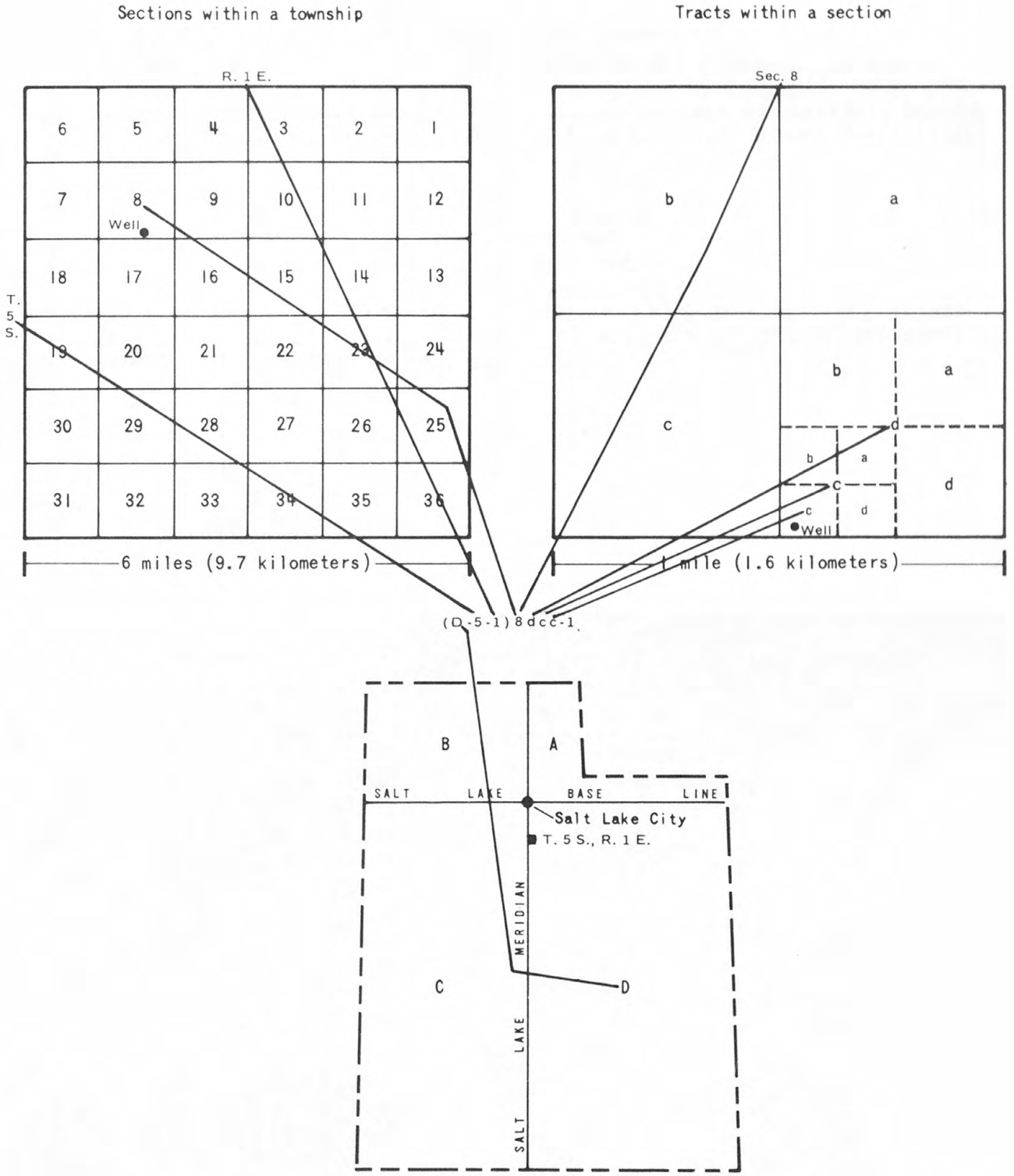

Figure 1.—Numbering system used in Utah for hydrologic-data sites.

REFERENCES CITED

Cordova, R. M., and Subitzky, Seymour, 1965, Ground-water in northern Utah Valley, Utah: Utah State Engineer Technical Publication 11, 41 p.

Hunt, C. B., Varnes, H. D., and Thomas, H. E., 1953, Lake Bonneville: Geology of northern Utah Valley, Utah: U.S. Geological Survey Professional Paper 257-A, 99 p.

Mundorff, J. C., 1974, Water-quality reconnaissance of surface inflow to Utah Lake: Utah Department of Natural Resources Technical Publication 46, 96 p.

Subitzky, Seymour, 1962, Records of selected wells and springs, selected drillers' logs of wells, and chemical analyses of ground and surface waters, northern Utah Valley, Utah County, Utah: Utah Basic-Data Report No. 2, 14 p.

Table 1.—Records

Location: See text for explanation of numbering system for hydrologic-data sites.
Owner or user: Refers to latest known owner or user.
Use of water: H, domestic or household; I, irrigation; N, industrial; P, public supply; S, stock; U, unused.
Depth: Finished depth; drilled depth may be greater.
Casing: Finish; O, open end; P, perforated; S, screened; upper and lower limits of perforations or screen given in feet below land surface; if known, and questioned (?) if lower limit of perforated or screened interval is unknown.
Altitude of land surface: Surveyed altitudes given in feet and decimal fractions; altitudes interpolated from U.S. Geological Survey topographic maps given in full feet.

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(C-4-1)25caa-2	R. Romrell	–	U	800	12	–	–	4,635
25dbc-1	E. M. Tingey	1945	H	130	6	130	O	4,615
25dcb-1	R. Romrell	1973	U	550	12	550	P474-545	4,613
26aad-1	do.	1973	I	520	12	520	P225-269	4,632
36aaa-1	C. G. Fox	1972	H,I	295	8	295	P195-285	4,685
36aaa-2	R. J. Fox	1980	H,I	330	8	–	–	4,700
36bab-1	Lambert	–	U	26	5	–	–	4,574
36daa-1	E. W. Fox	1980	I	480	12	315	P150-300	4,600
(C-5-1)1ccd-1	M. S. Beckstead	1976	U	184	8,6	184	P163-184	4,517
1cdc-1	do.	1979	H,S	220	8	220	P185-216	4,514
2cbb-1	P. W. Hardman	1974	H,S	211	6	211	P106-150	4,670
11bab-1	G. R. Putman	1971	H	201	6	201	P 64-175	4,647
11cab-1	P. Faulk	1978	H	190	6	190	P101-173	4,627
11cdc-1	S. Patterson	1980	H	245	6	245	P185-240	4,580
12bdc-1	S. McLocklan	1976	H,S	182	12,8	182	P121-172	4,506
12daa-2	E. Peterson	1957	I,S	330	6	330	P200-?	4,517
12dcc-1	V. Scown	1935	S	133	5	133	P127-?	4,498
13bda-1	B. McKinnon	1972	H,I,S	125	4	125	P117-125	4,495
13dac-5	J. and D. Norman	1934	I	157	3	–	–	4,496
13dcd-1	I. Gerber	1961	I,S	380	3	380	P150-380	4,493
14aad-1	L. Darrell	1974	H,S	190	6	190	P130-165	4,532
14dbc-1	M. Wright	1971	H,S	184	6	184	P147-153	4,520
15aac-1	P. S. Bruno	1977	I	253	6	253	P130-240	4,630.9
15aac-2	D. Evans	1973	H	231	6	231	O	4,643
15acc-1	P. R. Lawrence	1977	H	248	6	248	O	4,663
22cdb-1	S. Peterson	1979	U	200	6	110	O	4,637.5
22dba-1	K. W. Jex	1978	H,S	130	8	130	O	4,578
22dbb-1	R. Peterson	1979	U	135	6	135	P115-135	4,590.2
23bda-1	S. Shelley	1955	H,S	102	6	102	O	4,522
23cda-1	K. Rasmussen	1977	H,S	121	6	121	P100-118	4,530
24daa-1	W. A. Freeland	1978	H,S	231	6	213	P181-209	4,493

of selected wells

Principal water-bearing unit: Names are adapted from Hunt, Varnes, and Thomas (1953)—LB, Lake Bonneville deposits; PLB, Pre-Lake Bonneville deposits; SP, Shallow Pleistocene aquifer; DP, Deep Pleistocene aquifer. Names specifically applied to this report—Qal, Quaternary alluvial deposits; QT, artesian aquifer in deposits of Quaternary and/or Tertiary age, [Tertiary (?) aquifers of Hunt, Varnes, and Thomas (1953)]; B, bedrock; U, unknown.
Water level: Measured distances to water are given in feet and decimal fractions; reported and estimated distances are given in full feet.
Discharge: Rate; F, natural flow; P, pumped; measured except where indicated e, estimated.
Water-quality parameters: Measured in the field on indicated date. Samples for measurement were collected at the well head or, where indicated by an S following the specific conductance value, from a storage tank. Specific conductance is in micromhos per centimeter at 25 degrees Celsius.
Other data available: C, additional water-quality data (table 5); D, discharge measurements (table 3); L, drillers' log (table 4); W, water levels (table 2).
Previous location number: Location number as published in Subitzky (1962), for the respective wells.

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
U	−103.20	11-11-80	—	—	—	—	—	—	—
	−106.90	3-10-81							
SP	−80.63	4- 8-47	—	—	—	890S	8-21-80	C	(C-4-1)25cad-1
	−78.10	8-21-80							
QT	−81.4	11-10-80	—	—	—	—	—	—	—
	−82.03	3-11-81							
	−82.80	3- 6-82							
DP	−139.65	11-11-80	490P	8-26-81	15.5	630	8-26-81	C,L	—
	−141.93	3-11-81							
	−142.56	3- 6-82							
U	−68.3	11-11-80	—	—	13.0	680S	11-11-80	—	—
	−64.60	3-10-81							
U	−47.65	11-11-80	—	—	15.0	1,050S	11-11-80	—	—
	−50.40	3-10-81							
LB	−18.12	3-11-81	—	—	—	—	—	W	—
DP	−53.3	11-10-80	1,240P	9- 3-81	14.5	1,490	9- 3-81	C	—
	−54.69	3-11-81							
SP	+3.0	11-11-80	—	11-11-80	12.0	2,900	11-11-80	—	—
	+1.65	3-11-81							
DP	+9.5	11-11-80	30F	11-11-80	13.5	720	7-29-81	C	—
	+9.2	3-11-81							
U	−15.50	10-20-80	—	—	13.5	900S	10-20-80	—	—
	−18.0	3-10-81							
U	−39.82	3-10-81	—	—	—	1,250S	3-10-81	—	—
QT	−121.24	3-10-81	—	—	—	1,100S	3-10-81	L	—
QT	−71.48	3-10-81	—	—	—	—	—	—	—
DP	+13.2	10-22-80	—	—	13.0	800	10-22-80	—	—
	+12.8	3-11-81							
	+11.3	3- 6-82							
DP,QT	+13.4	3-11-81	300P	8-29-78	13.0	780	4- 5-82	C,W	(C-5-1)12add-1
SP	+23.3	3- 6-81	300F	6-17-82	12.0	800	12-22-81	D,W	—
SP	+19.8	10- 9-80	—	—	12.5	520	10- 9-80	—	—
	+23.7	3-11-81							
DP	+17.9	10-21-81	100F	10-21-81	12.0	460	10-21-81	D,W	—
DP,QT	+25.5	11- 4-80	—	—	11.5	290	11- 4-80	—	—
QT	−23.48	10- 9-80	—	—	14.0	1,300S	10- 9-80	—	—
	−27.18	3-10-81							
QT	−18.20	10- 9-80	—	—	17.0	1,700S	10- 9-80	—	—
	−19.43	3-10-81							
QT	−124.94	3-10-81	—	—	—	—	—	L,W	—
QT	−133.40	10-20-80	—	—	—	1,180S	10-20-80	—	—
	−136.18	3-10-81							
QT	−156.10	10-20-80	—	—	15.5	2,000S	10-20-80	—	—
	−158.88	3-10-81							
B	−136.98	3- 9-81	—	—	—	—	—	L,W	—
QT	−72.0	10- 8-80	—	—	17.0	3,100S	10- 8-80	—	—
	−74.60	3- 9-81							
QT	−87.10	3- 9-81	—	—	—	—	—	W	—
QT	−21.77	3- 9-81	—	—	—	2,200	8-21-80	C,W	(C-5-1)23bda-1
QT	−25.8	10- 8-80	—	—	21.5	2,800S	10- 8-80	—	—
	−28.80	3-10-81							
DP	+19.5	10- 8-80	—	—	17.5	260	10- 8-80	—	—
	+26.7	3- 9-81							
	+25.3	3- 6-82							

Table 1.–Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(C-5-1)24dbc-1	LDS Church, Valley View Stake	1960	S	400	6	370	P 70-370	4,492
24dcb-1	do.	–	S	90	2	–	–	4,492
24dcd-1	do.	–	S	90	2	–	–	4,495
25aaa-1	R. E. Morrow	1978	H,S	148	4	148	P140-148	4,491
25aaa-2	Lieber	1977	H,S	106	4	106	P 98-106	4,492
25aaa-3	Board of Canal Presidents	1956	H	294	3	294	P288-?	4,492
25abc-3	Metropolitan Water Users	1939	U	193	3	193	O	4,492
26bdb-1	M. Shiba	1934	U	501	10,8,6.25	501	P300-400	4,552
(D-4-1)13aba-2	W. H. Doxey	1978	U	200	8	200	O	5,290
13acb-1	L. C. Broadbent	1967	U	255	8	255	–	5,190
13acc-1	Crockett	1974	H	65	6	65	P 63-65	5,170
24dcd-1	Alpine City	1973	P	641	20,16	641	P300-630	4,927
25ddb-1	N. Carlisle	1978	U	1,077	20,16,12,10	900	P385-900	4,932
26aac-1	Mendenhall	1965	U	615	8	615	P465-615	4,923
26cad-1	W. Erekson	1956	U	425	8	425	P292-?	4,830
26cca-1	G. L. Degraffenried	1977	H,I,S	304	8	304	O	4,820
26dca-1	M. L. Petersen	1976	S	275	8	275	P245-275	4,870
30cdb-1	B. Beesley	1977	U	244	6	244	P107-244	4,800
31ada-1	K. H. Cutkomp	1975	H,I	360	8	360	P160-360	4,765
31ada-2	R. A. Woodward	1979	H,I	420	8	420	P200-410	4,775
31adb-1	R. Phelps	1974	H	296	6	296	P200-294	4,782
31add-1	E. Lelegren	1977	U	250	6	250	P101-238	4,715
31add-2	do.	1980	I	346	6	346	P107-345	4,720
31bbd-1	B. Beesley	1977	S	340	8	340	P190-340	4,700
31cbb-2	E. W. Fox	1973	I	490	12,8	490	P170-490	4,605
31cca-1	do.	1978	U	400	12	400	P100-400	4,597
32acb-1	E. V. McCauley	1974	H,S	260	6	260	O	4,805
32bcc-1	J. L. Revill	1975	H,S	253	6	253	P105-247	4,730
32bdc-1	R. Frisbee	1978	H,I,S	263	6	263	P151-261	4,750
32cbb-1	W. T. Harper	1975	H,I,S	303	6	303	P173-299	4,690
32daa-1	LDS Church, Granger North Stake	1968	H,S	340	6	340	P301-340	4,782
32dbb-1	LDS Church, Murray Stake	1961	I	398	12	398	P175-324	4,740
32ddc-1	C. Barker	1972	H,I	348	6	348	P316-348	4,760
33caa-1	G. R. Molyneux	1969	H,S	322	6	322	P300-318	4,792
33cdc-1	K. Nickle	1978	U	280	8,6	280	P243-275	4,777
33dad-1	C. Jones	1966	I	337	16	337	P255-334	4,802
33dda-1	P. Kassing	1977	H,I,S	291	6	291	O	4,780
34bdc-1	T. Foster	1973	H	330	6	330	P320-330	4,815
35baa-1	B. Badger	1961	I	500	16,14	500	P160-500	4,855
35bbb-1	D. Smith	1979	I	340	8	323	O	4,775

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
SP,DP,QT	+4.0 +6.6	10- 9-80 3- 9-81	–	–	14.0	330	10- 9-80	L	–
SP	+3.9 +6.7 +8.7	3-21-63 3-30-64 3- 9-81	–	–	13.0	325	3- 9-81	–	–
U	+8.8	3-13-81	–	–	23.5	1,600	3-13-81	C,W	(C-5-1)24dcd-1
DP	+25.0	3- 9-81	–	–	14.0	280	10- 8-80	W	–
SP	+15.2	3- 9-81	–	–	15.0	300	3- 9-81	W	–
QT	+38.2	3- 9-81	–	–	–	290	3- 9-81	W	(C-5-1)25aaa-1
U	+5.85	3- 9-67	14F	10-22-81	23.5	2,000	10-22-81	C,D,W	(C-5-1)25abc-3
U	−58.77 −47.55 −48.48	4-18-47 2-19-81 3-10-81	–	–	30.0	1,990	4-29-58	C	(C-5-1)26bdb-1
Qal	−31.82 −31.50 −35.33	5- 1-80 9-30-80 3-27-81	–	–	–	–	–	–	–
Qal	−4.10 −3.08	5- 1-80 3-27-81	–	–	–	–	–	L	–
Qal	−8.44 −9.20	5- 1-80 3-27-81	–	–	18.0	860S	5- 1-80	–	–
PLB	–	–	–	–	11.0	300	7-13-81	C	–
PLB, B	−311.08	3-27-81	–	–	–	–	–	L,W	–
PLB, B	−317.08	3-27-81	–	–	–	–	–	L,W	–
PLB	−241.9 −231.7 −230.43	4- 3-58 10- 8-80 3-27-81	–	–	–	–	–	–	(D-4-1)26cda-1
PLB	−212.10	11- 3-80	–	–	14.0	600	11- 3-80	–	–
PLB	−213.85 −204.71	10- 8-80 3-27-81	–	–	–	–	–	–	–
U	−216.96	3-10-81	–	–	–	–	–	W	–
U	−100.7 −104.20	9-30-80 3-23-81	–	–	16.0	600S	9-30-80	–	–
U	−208.2 −178.25	9-30-80 3-23-81	–	–	–	–	–	–	–
U	−99.98 −100.38	9-30-80 3-23-81	–	–	16.0	540S	9-30-80	–	–
U	−111.1	9-30-80	–	–	–	–	–	–	–
U	−125.4	9-30-80	11P	9- 1-81	15.0	700	9- 1-81	C	–
U	−140.85	3-10-81	–	–	–	–	–	W	–
U	−55.7 −56.83	11-10-80 3-10-81	500P	8-26-81	13.5	1,900	8-26-81	C,D,L	–
U	−43.8 −46.34	11-10-80 3-11-81	–	–	–	–	–	–	–
U	−179.8 −178.33	10- 2-80 3-23-81	–	–	16.0	500	10- 2-80	–	–
U	−162.7 −184 −132.63	9-30-80 10- 2-80 3-23-81	–	–	18.0	620S	9-30-80	–	–
U	−120.65 −121.06 −121.18	10- 2-80 3-23-81 3- 8-82	–	–	–	880S	10- 2-80	–	–
U	−115.6 −109.7	9-30-80 3-24-81	–	–	–	1,000S	9-30-80	–	–
U	−177.8 −175.36	10- 2-80 3-24-81	–	–	14.5	900	6-16-81	C	–
U	–	–	380P	8-27-81	14.0	740	8-27-81	C,D,L	–
U	−157.58 −154.83	10- 2-80 3-27-81	–	–	–	900S	10- 2-80	–	–
DP	−188.77 −186.85 −193.27	10- 8-80 3-23-81 3- 9-82	–	–	14.5	1,090	6-16-81	C	–
U	−174.1	3-24-81	–	–	–	–	–	L,W	–
DP	–	–	990P	8-26-81	21.5	1,500	7-22-80	–	–
DP	−194.4 −181.85	10- 8-80 3-24-81	–	–	15.0	850	7-14-81	C	–
DP	−213.3 −211.96	10- 8-80 3-23-81	–	–	16.0	700	7-14-81	C	–
PLB	−262	3-30-81	570P	7-22-80	16.5	500	7-22-80	C,D	–
PLB	−163.15 −162.43	11- 3-80 3-27-81	–	–	–	–	–	–	–

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-4-1)35dcd-1	W. J. Coe	1965	H,I,S	303	6	303	P276-296	4,850
35dda-1	Highland Water Co.	1968	P	660	20,16	660	P428-659	4,872
36adc-1	Alpine Country Club	1977	I	577	20,16	577	P380-574	4,935
36cab-1	Provo River Water Users	1958	I	500	20,16	490	P320-490	4,903
36cdd-1	American Fork Irrigation Co.	1971	I	555	24,20,16	555	P330-546	4,887
(D-4-2)18acc-1	R. C. Jones	1971	H	300	10	292	P150-291	5,230
18bdd-1	C. A. Pack	1963	H,I	365	12,10	354	P200-352	5,230
18cca-1	E. L. Patterson	1974	I	302	12,8	302	P200-300	5,090
19ccb-1	Alpine City	1962	P	650	16	624	P467-622	4,955
19dda-1	Busch Corporation	1967	U	602	16	590	P430-590	5,100
31abd-1	Construction Properties	1978	U	501	24,20,16,12	463	P410-460	4,980
31acd-1	Pleasant Grove Irrigation Co.	1955	I	595	16	595	P387-?	4,980
31bda-1	Highland Water Co.	1958	P	612	16	612	P357-?	4,975
(D-5-1)1aaa-1	Utah State Training School	1961	I	507	16	507	P340-500	4,895
1bcd-1	American Fork Irrigation Co.	1964	I	555	16	555	P300-548	4,853
1cdc-1	American Fork City	1980	P	500	20	500	P260-468, S348-468	4,765
2abb-1	LDS Church, Highland Ward	1934	U	30	30	–	–	4,835
2baa-1	L. Buhler	1967	H,I	300	6	300	P280-295	4,832
3aaa-1	Highland Water Co.	1977	P	585	20,16	585	P310-584	4,815
3bda-2	M. Peck	1934	U	52	36	–	–	4,792
3caa-1	Lether	1979	H,I,S	265	6.5	265	O	4,787
4bbb-1	D. Knapp	1976	H,I,S	237	6	237	O	4,770
4bcc-1	Lehi Irrigation Co.	1957	I	654	16	–	P260-?	4,680
4cab-1	D. W. Smith	1969	H,S	258	6	258	P243-253	4,710
4cbd-1	L. W. Fillmore	1978	H,S	245	6	245	P230-240	4,705
4cda-1	Lehi City	–	P	430	8	–	–	4,765
4cdd-1	R. Christofferson	1967	S	320	8	320	P298-318	4,690
4ddd-1	J. Ford	1962	H,S	228	6	228	O	4,720
5bbb-1	L. Madsen	1977	I,S	237	6	–	P101-236	4,610
5bbc-1	General Refractories Co.	1953	N	293	10	293	P210-?	4,585
5cbc-1	B. Sunderland	1960	I	345	12	327	P195-?	4,566
5daa-1	D. Baum	1972	H	168	6	168	P150-165	4,630
5daa-2	C. B. Williams	1971	H,I,S	170	6	170	O	4,640
5dad-1	E. D. Nuttall	1967	H,I	160	6	160	O	4,620
5dda-1	C. Baker	1978	H	166	6	166	P148-165	4,619
5ddd-1	R. D. Nuttall	1962	H,S	395	6	395	P300-390	4,645
6baa-1	K. H. Bushman	1977	I,S	225	6	225	P170-221	4,567
6bcd-1	U.S. Geological Survey	1981	U	240	4,1	240	P200-240	4,537
6daa-1	E. Sunderland	1958	H	195	4	195	P187-?	4,565
6ddd-1	J. M. Colledge	1947	H	135	4	–	P80-?	4,557
6ddd-2	A. Cardon	1968	H,I,S	130	6	–	–	4,556

selected wells—Continued

Principal water-bearing unit	Water level: Above (+) or below(−) land surface (ft)	Water level: Date	Discharge: Rate (gal/min)	Discharge: Date	Water-quality parameters: Water temperature (°C)	Water-quality parameters: Specific conductance	Water-quality parameters: Date	Other data available	Previous location number
DP	−256 −248.3 −254.72	9-20-65 11-18-80 3-27-81	–	–	–	690S	11-18-80	–	–
PLB	−266.45	3-31-81	–	–	12.5	440	7-30-81	C	–
PLB	−325.26	5- 5-82	1,210P	7-14-81	10.0	460	7-14-81	C,L,W	–
PLB	−294.20	3-30-81	1,790P	9- 1-81	10.5	600	9- 1-81	C,D,L,W	(D-4-1)36cab-1
PLB	−286.50	3-31-81	2,290P	8- 9-77	10.0	500	8- 9-77	–	–
Qal	−147.8 −148.37	5- 1-80 3-27-81	–	–	–	–	–	–	–
Qal	−153.2	3-27-81	–	–	10.5	280	7-13-81	C,L,W	–
Qal	−175.3	3-30-81	–	–	–	–	–	W	–
PLB	−314	3-31-81	–	–	10.0	350	7-14-81	C,L,W	–
PLB	−398.54	3-27-81	–	–	–	–	–	W	–
PLB	−367.0	3-31-81	–	–	–	–	–	L,W	–
PLB	−396.75 −368.25	11- 3-80 3-31-81	880P	8-25-81	9.5	480	8-25-81	C,D	(D-4-2)31acd-1
PLB	−373.86	3-31-81	–	–	11.0	360	7-13-81	C,L,W	(D-4-2)31bda-1
PLB	−296.8	3-31-81	1,770P	7-14-81	9.5	490	6-18-81	C,D,W	–
PLB	−267 −253.40	12-23-64 3-31-81	2,360P	8- 9-77	10.5	480	9- 8-77	L	–
PLB	−154.43	3-31-81	–	–	11.5	490	7-28-81	C,W	–
LB	−13.67	3- 6-81	–	–	–	–	–	W	(D-5-1)2abb-1
DP	−232.7 −232.85	11-18-80 3-25-81	–	–	11.5	600	7-14-81	C,L	–
PLB	−213.60	3-31-81	–	–	–	–	–	–	–
LB	−31.16	3- 6-81	–	–	–	–	–	W	(D-5-1)3bda-2
DP	−187.1 −187.55	12- 9-80 3-24-81	–	–	12.0	620	7-14-81	C	–
DP	−173	11-20-80	–	–	–	1,400S	11-20-80	–	–
DP	−82.98	3-25-81	–	–	15.0	520	9-11-74	C,W	(D-5-1)4bcc-1
DP	−122.2 −121.45	12- 8-80 3-27-81	–	–	–	1,430S	12- 8-80	–	–
DP	−127.3 −127.67	12- 8-80 3-24-81	–	–	11.5	1,300	12- 8-80	–	–
U	−169.23	3-28-81	–	–	–	–	–	–	–
DP	−79.9 −81.05	12- 8-80 3-24-81	–	–	14.0	570	7-16-81	C	–
DP	−136.7 −130.05	12- 8-80 3-24-81	–	–	–	610	12- 8-80	–	–
U	−44.47 −40.28 −43.22	10- 2-80 3-23-81 3- 8-82	–	–	14.0	1,220	10- 2-80	–	–
U	−35.0	8-30-56	–	–	–	1,400	8-22-80	C	(D-5-1)5bbc-1
QT	−15.32	3-13-81	630P	8-17-77	15.0	1,380	7-21-81	C,L,W	–
SP	−50.9 −50.69 −55.07	11-20-80 3-27-81 3- 8-82	–	–	15.0	1,210	7-22-81	C	–
SP	−55.9 −55.90	11-20-80 3-25-81	–	–	12.0	1,240	11-20-80	–	–
SP	−48.10	11-20-80	–	–	–	–	–	–	–
SP	−34.0 −33.92	11-20-80 3-25-81	–	–	–	–	–	–	–
DP QT	−56.3 −57.54	11-20-80 3-25-81	–	–	12.0	465	11-20-80	–	–
DP	−37.8 −22.74	11- 4-80 3-11-81	–	–	14.0	1,300	11- 4-80	–	–
QT	−1.0	5- 9-81	–	–	–	–	–	L,W	–
DP	−22.25	3-17-65	–	–	15.0	1,250S	8-22-80	C,W	(D-5-1)6daa-1
SP	−10.5 −13.4 −13.54	8-29-56 12-11-80 3-25-81	–	–	–	1,120S	3-25-81	–	(D-5-1)6ddd-1
DP	−9.15 −9.56	12-12-80 3-25-81	–	–	–	1,650S	12-12-80	–	–

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-5-1)7abb-2	D. R. Clark	1968	H,S	186	6	186	P177-184	4,542
7acc-1	R. Ehlers	1969	H,S	197	4	197	P188-196	4,523
7bbb-1	H. V. Kramer	1974	S	160	6	160	P101-129	4,522
7ccd-1	B. Wilson	1980	I,S	151	6	151	P100-151	4,511
7cdc-1	A. L. Christofferson	1977	H,I	147	4	147	P139-145	4,513
7dcd-1	L. B. Gurney	1966	I,S	227	6	227	P123-170	4,525
8aaa-3	Lehi Irrigation Co.	1956	I	709	16	709	P305-?	4,600
8abd-1	Lehi City	1958	P	505	16	500	P360-500	4,595
8acc-1	do.	1961	I	506	16	506	P315-503	4,568
8ccb-1	W. Bushman	1978	S	218	6	218	P111-216	4,536
8daa-1	Alpine School District	1953	I	310	6	310	O	4,575
8dac-1	S. Merrill	1978	I	146	6	146	O	4,575
8dcc-1	Lehi Irrigation Co.	1934	U	240	14	240	P 85-200	4,552
8ddd-1	S. Chruma	1895	I	300	2	–	–	4,567
9aba-1	R. A. Merrill	1979	I	212	6	212	O	4,695
9bab-1	R. Ficklin	1977	I,S	179	6	179	O	4,640
9dbb-1	Lehi City	1931	U	207	12	207	O	4,587
9dcc-6	R. Peterson	1954	S	121	4,2	121	P119-?	4,555
10acb-1	G. Smith	1963	S	297	6	297	P270-295	4,740
10bba-1	E. A. Fehr	1976	H,I	278	8,6	278	O	4,765
10bbb-1	K. J. Cardon	1971	I	335	8,6	330	P300-330	4,762
10bcc-1	Lehi City	1978	P	545	20,16	545	P422-540	4,655
10bdd-1	M. Minor	1958	H,S	15	30	–	O	4,675
10bdd-2	H. C. Peterson	–	U	12	30	–	–	4,670
10bdd-3	do.	1979	H	222	6	222	O	4,670
10ccb-1	J. P. Richins	1964	H	210	4	210	O	4,610
11bdd-1	C. T. Chipman	1954	H,S	91	6	91	O	4,745
11dad-1	M. D. Hampton	1973	H,I	204	6	204	O	4,722
11dda-1	C. A. Ostler	1970	H,I	201	6	201	P170-190	4,700
12bbc-1	R. and L. Harding	1967	H,S	260	6	260	O	4,782
12ccd-1	White	1969	H	154	6	154	P138-148	4,685
12dcc-1	American Fork City	1956	P	413	16	413	P160-?	4,684
13aaa-1	V. Hoskins	1958	U	18	36	–	O	4,700
13aaa-2	O. Gunther	1970	I	284	8	284	P271-281	4,720
13aab-1	M. B. Boley	1974	I	266	8	266	P151-264	4,675
13cbc-1	American Fork City	1973	P	580	20,16	580	P138-560	4,626
13daa-1	J. E. Peters	1914	I	40	36	–	O	4,632
14adb-1	American Fork City	1934	P	350	14,10	350	P 84-345	4,655
14bdc-1	do.	1968	P	910	20,16	902	P424-850	4,587
14cbb-1	Brock	1965	I	205	4	205	P195-204	4,575
15acb-1	Hunter and Thompson	1931	H,S	170	4	–	–	4,552

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
DP	−5.17 −4.10 −6.27	10-21-80 3-11-81 3- 6-82	–	–	16.0	800S	10-21-80	–	–
DP	+17.25 +20.35	10-22-80 3-11-81	–	–	13.0	290	10-22-80	–	–
SP	+9.6 +10.8 +8.7	10-22-80 3-11-81 3- 6-82	–	–	13.0	1,700	10-22-80	–	–
SP,DP	+15.5	10-22-80	–	–	12.0	700	10-22-80	–	–
DP	+14.8 +16.45	10-21-80 3-11-81	–	–	12.5	720	10-21-80	–	–
DP	+13.0 +10.7	12-11-80 3-13-81	240P	8-25-81	11.5	570	12-11-80	–	–
QT	−6.00	3- 6-81	1,970P	7-19-79	14.5	370	7-19-79	C,L,W	(D-5-1)8aaa-3
QT	−55.66 −36.15 −41.70	8-14-58 3-28-81 4-13-82	500P	9- 5-63	14.5	–	8-14-58	–	(D-5-1)8abd-3
QT	−23.58	4-13-82	2,850P	4-13-82	13.5	260	4-14-82	C,D	–
DP	+2.35	3-13-81	30F	12-11-80	12.0	600	12-11-80	W	–
QT	+14.5	3-13-81	–	–	11.0	245	3-19-81	L,W	–
SP	−2.4	4-13-82	–	–	–	–	–	–	–
DP	−5.88	3-25-81	–	–	–	–	–	W	(D-5-1)8dcc-1
QT	+13.7	3-13-81	2.7F	11- 2-81	11.5	245	3-13-81	D,W	(D-5-1)8ddd-1
DP	−95.1 −95.58	12- 8-80 3-24-81	–	–	13.0	600	6-18-81	C	–
SP	−57.1 −57.0 −62.07	11-20-80 3-24-81 3- 8-82	–	–	12.0	910	11-20-80	–	–
DP	−12.00	3-28-81	–	–	–	–	–	C,W	(D-5-1)9dbb-1
DP	+26.2	3- 9-81	41F	3- 8-82	11.0	570	10-28-81	D,W	–
DP	−147.8 −148.6 −154.68	12- 9-80 3-24-81 3- 8-82	–	–	–	–	–	L	–
DP	−171.4 −172.07	12- 8-80 3-24-81	–	–	12.0	620	12- 8-80	–	–
U	−32.3 −36.56	12- 9-80 3-24-81	–	–	–	580S	12- 9-80	–	–
QT	−64.40	3-28-81	–	–	15.0	350	8- 3-81	C	–
LB	−8.60	3-25-81	–	–	–	900S	12- 9-80	C,W	(D-5-1)10bdb
LB	−6.58	3-25-81	–	–	–	–	–	W	–
DP	−76.6 −77.42	12- 9-80 3-25-81	–	–	–	600S	12- 9-80	–	–
U	−41.4 −42.11	12- 9-80 3-31-81	–	–	13.0	550	12- 9-80	–	–
LB	−18.73	3- 6-81	–	–	14.0	690	7-16-81	C,W	–
SP	−162.5 −163.15	11- 4-80 3-27-81	–	–	12.0	495	11- 4-80	–	–
SP	−142.55 −143.19 −146.25	11- 4-80 3-27-81 3- 9-82	–	–	14.0	520	11- 4-80	–	–
DP	−182.8 −184.38	1-23-81 3-27-81	–	–	–	540S	3-27-81	–	–
SP	−120.9 −122.00	1-23-81 3-30-81	–	–	13.0	610	7-23-81	C	–
SP,DP,QT	−87.41 −93.08	3-30-81 3-10-82	–	–	–	–	–	L	–
LB	−9.99	3- 6-81	–	–	–	–	–	W	(D-5-1)13aaa
DP	−127.1 −128.10 −134.09	11-19-80 3-30-81 3- 2-82	–	–	12.0	560	11-19-80	–	–
SP,DP	−77.85	11- 4-80	–	–	14.0	500	11- 4-80	–	–
SP,DP,QT	−65.66	3-30-81	–	–	–	–	–	–	–
LB	−30.26	3- 6-81	–	–	–	–	–	W	(D-5-1)13daa
SP,DP,QT	−87.91	3-30-81	–	–	–	–	–	W	(D-5-1)14adb-1
QT	+12.1 +6.2	3-30-81 3-10-82	–	–	13.0	260	8- 3-81	C,L	–
DP	+18.6 +18.1 +11.2	1-23-81 3-13-81 3- 6-82	–	–	–	450S	1-23-81	–	–
DP	+40.7	3- 6-81	–	–	–	480S	3- 6-82	W	(D-5-1)15acb-1

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-5-1)15bcb-1	Anderson and Squires	1978	U	150	6	150	P138-149	4,542
16abb-1	Alpine School District	1958	I	366	4	366	P346-?	4,548
16acd-3	A. Christensen	1941	S	297	3	297	O	4,537
16bbb-6	Alpine School District	1945	U	145	4	–	–	4,555
16cbc-1	Winngreen	1900	I	150	2	–	–	4,533
16ccb-4	O. Larsen	1954	S	293	3	293	P287-?	4,528
16dcd-1	R. Newcomb	1974	H	63	4	63	P 52-63	4,519
17acb-5	Zimmerman	1912	I	150	2	–	–	4,546
17adc-12	H. Comer	1933	I	303	4	303	–	4,543
17cbb-1	H. Orolowitz	1976	I,S	168	8	168	P160-166	4,531
17cbc-1	F. W. Hardy	1970	H	104	4	104	P 95-103	4,527
17cca-1	A. J. Powell	1980	I	312	6	312	P143-311	4,526
17ccb-1	L. W. Sorenson	1979	H	105	4	105	P 97-105	4,524
17cdd-5	O. Jones	1958	I	312	4	312	P304-?	4,524
17ddb-1	LDS Church, Orem West Stake	1960	I	381	6	381	P350-379	4,531
18abc-1	K. A. Calton	1968	U	105	4	105	P 95-105	4,519
18abc-2	do.	1977	H,S	147	4	147	P127-147	4,519
18abc-3	W. R. Persson	1960	H,S	348	4	348	P305-345	4,519
18acb-1	W. Webb	1884	I	190	2	–	O	4,518
18bab-1	L. Young	1950	I	159	4	159	P151-?	4,513
18bab-2	do.	1958	I	392	8	392	P200-?	4,513
18bad-1	R. Smith	1960	S	302	4	302	P260-?	4,516
18cab-2	P. Gray	1957	I	618	12,8	618	P310-?	4,511
18cbc-1	M. McClure	1975	H,I	106	4	106	P100-106	4,504
18cbc-2	P. Gray	1954	H,I,S	330	4	330	P223-?	4,505
18cbc-3	A. Davies	1979	H,I,S	153	6	153	–	4,505
18ccb-1	G. W. Grossman	1975	H,I	289	4	289	P279-289	4,505
19abb-1	Schow	–	I	–	3	–	–	4,512
19abb-2	–	–	I	–	4	–	–	4,511
19acb-2	C. and K. Clark	1975	I,S	144	4	144	P136-144	4,506
19acc-1	M. Racker	1968	I,S	500	6	500	P219-435	4,505
19acc-2	–	–	S	–	2	–	–	4,505
19bca-1	A. Stone	1966	I	231	4	231	P145-231	4,500
19bcb-2	O. Rolfe	1952	I,S	233	4	233	P225-?	4,500
19bda-1	–	–	I	–	2	–	–	4,505
19bdb-7	–	–	S	–	2	–	–	4,503
19bdb-8	–	–	I	–	2	–	–	4,503
19bdc-1	–	–	I,S	–	2	–	–	4,502
19bdc-2	–	–	S	–	2	–	–	4,503
19cab-1	C. B. Olsen	1974	I,S	106	4	106	P 90-106	4,499

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below (−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
DP	+48.1 +47.1	1-23-81 3-19-81	–	–	–	500S	3-19-81	–	–
QT	+37.2	3-19-81	140P	7-24-80	–	180S	3-19-81	L,W	(D-5-1)16baa-1
DP	+41.1	3- 6-82	30F	9-25-64	11.0	280	3- 1-82	C,W	(D-5-1)16acd-3
DP	+13.9	3- 6-81	–	–	–	210S	8-22-80	C,W	(D-5-1)16bbb-6
DP	+11.3 +25.5 +25.1	7-31-56 3-19-65 10-23-81	18F	10-23-81	11.0	530	10-23-81	D	–
DP	+35.5	3- 6-81	135F	6-18-82	11.0	300	10-23-81	D,L,W	–
SP	+14.3 +14.1 +13.6	12-12-80 3-13-81 3- 6-82	–	–	–	780S	7-21-81	C	–
DP	+18.2	3- 6-81	13F	10-23-81	13.0	630	7-31-81	C,D,W	(D-5-1)17acb-5
QT	+30.4	3- 6-81	–	–	12.0	230	3- 1-81	C,W	(D-5-1)17adc-12
DP	+8.45 +8.55 +7.1	12-11-80 3-13-81 4-13-82	.5F	12-11-80	10.5	370	12-11-80	–	–
SP	+6.6 +5.6	12-11-80 3-13-81	–	–	13.5	590	7-23-81	C	–
SP,DP	+19.5	12-11-80	30F	12-11-80	12.0	305	12-11-80	–	–
SP	+6.7	12-11-80	1.9F	12-11-80	11.0	570	12-11-80	–	–
DP	+30.3 +30.7 +30.1	12-12-80 3-13-81 4-13-82	1.1F	12-12-80	12.0	260	7-21-81	C	–
U	+21.6 +21.6 +25.4	12-12-80 3-13-81 4-13-82	.9F	12-12-80	11.5	495	12-12-80	–	–
SP	+3.66 +5.75 +4.10	10-22-80 3-11-81 3- 6-82	–	–	12.0	265	10-22-80	–	–
DP	+13.7 +15.6 +14.0	10-22-80 3-11-81 3- 6-82	–	–	12.0	470	10-22-80	–	–
QT	+21.7 +23.2 +18.8	11- 4-80 3-11-81 3- 6-82	–	–	13.0	170S	11- 4-80	–	–
DP	+17.9	3- 9-81	9F	10-22-81	11.5	460	10-22-81	D,W	–
DP	+18.6 +18.0	3-11-81 4-13-82	–	–	11.5	600	3-11-81	–	–
DP,QT	+27.2 +24.2	3-11-81 4-13-82	100F,e	8-29-78	12.0	220	3-11-81	C,D	–
DP	+18.0 +18.3	11- 4-80 3-11-81	–	–	12.5	360	11- 4-80	–	–
DP,QT	+20.6	3- 6-81	100F,e	9-11-74	15.5	330	8-25-81	C,L,W	(D-5-1)18cab-2
SP	+14.9 +22.7	10-21-80 3-13-81	–	–	12.5	550	10-21-80	–	–
DP	+15.6 +29.05	8-31-56 3-13-81	–	–	–	280	3-13-81	C	(D-5-1)18cbc-2
SP,DP	+16.5	10-21-80	–	–	–	–	–	–	–
DP	+25.5 +31.0	10-21-80 3-13-81	–	–	13.5	280	10-21-80	–	–
U	+9.7	10-15-81	4.5F	10-15-81	–	–	–	–	–
U	+9.8	10-20-81	5.4F	10-20-81	12.0	470	10-20-81	–	–
DP	+11.6 +16.3 +9.0	10-15-81 2-22-82 6-17-82	85F	6-17-82	12.0	300	10-15-81	D	–
DP,QT	+31.2 +16.0	3- 9-81 10-19-81	160F	10- 8-81	14.0	280	10- 8-80	–	–
U	+12.8	10-19-81	18F	10-19-81	11.5	280	10-19-81	–	–
SP,DP	+13.2 +18.2 +10.3	10-15-82 2-19-82 6-17-82	89F	6-17-82	12.5	310	10-15-81	D	–
DP	+29.5	3- 6-81	115F	6-17-82	13.0	240	10-15-81	D,W	(D-5-1)19bcb-1
U	–	–	12F	10-20-81	11.5	570	10-20-81	–	–
U	+9.3	10-20-81	2.6F	10-20-81	12.0	410	10-20-81	–	–
U	+7.3	10-20-81	18F	10-20-81	11.5	420	10-20-81	–	–
U	+12.5	10-19-81	8.0F	10-19-81	12.0	310	10-19-81	–	–
U	+11.1	10-19-81	3.6F	10-19-81	11.5	510	10-19-81	–	–
SP	+11.0	10-20-81	60F	10-20-81	11.5	400	10-20-81	–	–

Table 1.–Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-5-1)19cab-2	–	–	S	–	2	–	–	4,499
19cac-3	J. Anderson	1900	I	80	1.25	–	–	4,494
19cac-4	–	–	S	–	2	–	–	4,500
19cbb-1	–	–	I	–	2	–	–	4,494
19cbc-1	G. V. Evans	1981	S	322	6	322	O	4,493
19cca-1	H. L. Morris	1978	H,I,S	147	6	147	P111-146	4,495
19ccb-1	E. Dansie	1978	I,S	169	6	169	P131-162	4,493
19ccb-3	–	–	S	–	2	–	–	4,493
19ccc-1	F. Eastmond	1948	U	151	4	151	P143-?	4,493
19ccd-1	E. Dansie	1975	I	144	6	144	P137-144	4,495
19dad-2	A. Peterson	1949	I	154	4	154	P146-?	4,498
19dba-1	–	–	I	–	3.5	–	–	4,503
19dbd-1	F. Royle	1893	S	90	3	90	–	4,497
19dbd-5	J. F. Royle	1950	I,S	210	4	210	P 95-105	4,498
19dbd-6	C. S. Edwards	1978	I	257	6	257	P101-215	4,497
19dca-1	–	–	I,S	–	2.5	–	–	4,494
19dcb-1	B. Holmstead	1954	S	227	4	227	P219-?	4,493
19dcb-2	W. R. Jones	1980	I,S	224	6	224	O	4,494
19dda-1	E. Anderson	–	I,S	–	1.5	–	–	4,497
20aaa-2	G. L. Clark	1978	H	161	6	161	O	4,517
20aba-1	J. G. Cox	1935	I	292	3	292	O	4,522.1
20aba-2	do.	1898	U	154	2	152	O	4,522.0
20bcb-1	L. Hadfield	1978	H,I	191	6	191	O	4,509
20bcc-1	E. L. Anderson	1971	I	420	6	420	P245-415	4,507
20bdd-1	P. Taylor	1962	I,S	349	8	349	P165-348	4,511
20cbc-1	E. Davies	1890	I,S	180	2	180	–	4,501
20ccb-1	D. Clark	1974	S	149	4	149	P139-149	4,496
20ccb-3	W. R. Webb	1950	I	153	4	153	P145-?	4,497
20daa-1	J. Guterrez	1978	H,S	85	4	85	P 77-85	4,498
20dbb-1	C. O. Holmstead	1929	I	165	2	–	–	4,504
21cab-1	V. I. Kolan	1978	I,S	168	4	168	P160-168	4,498
21dba-1	A. K. Smith	1978	H	63	4	63	P 55-63	4,503
21dba-2	G. L. Crawford	1946	H	63	3	63	P 58-?	4,500
21dba-3	do.	1946	I,S	185	3	185	P180-?	4,500
21dda-2	Dalton	1954	I	189	4	189	P181-?	4,499
21dda-3	J. D. Barratt	1979	I,S	189	4	189	P180-188	4,497
22acb-3	W. Welsh	1942	I	211	3	211	O	4,527
22baa-1	Harris	1961	S	210	3	210	P204-210	4,527
22bcc-1	C. Hunting	1947	I	120	4	120	P110-120	4,508
22bcc-2	do.	1946	I	262	3	262	P258-?	4,508
22dcc-1	J. D. Walker	1978	H,I	85	4	85	P 77-85	4,508

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
U	–	–	3.0F	10-19-81	–	–	–	–	–
SP	+18.0 +13.6	4-17-47 10-20-81	4.0F	10-20-81	11.5	480	10-20-81	–	–
U	–	–	14F	10-20-81	11.5	410	10-20-81	–	–
U	–	–	25F	10-20-81	12.0	360	10-20-81	–	–
QT	+27.0 +37.1 +26.6	10-15-81 3- 6-82 6-17-82	57F	6-17-82	11.5	270	10-15-81	D	–
SP	+15.4	10-20-81	56F	10-20-81	11.5	300	10-20-81	–	–
SP	+22.3	3- 9-81	215F	3- 6-82	14.0	300	10- 8-80	D,W	–
U	+10.2	10-20-81	1.0F	10-20-81	12.0	420	10-20-81	–	–
DP	+23.3	3- 6-81	8.0F	3- 1-82	13.0	255	10-20-81	C,D,W	–
SP	+17.7 +14.55	10-19-81 6-24-82	195F	6-24-82	–	290S	10-19-81	D	–
DP	+32.3	10-14-81	215F	6-17-82	11.0	380	10-14-81	D,W	–
U	–	–	25F	10-15-81	–	–	–	–	–
SP	–	–	2.0F,e	10-19-81	–	–	–	–	–
SP	+16.7	10-19-81	105F	6-17-82	11.0	280	10-19-81	D,W	(D-5-1)19dbd-5
SP,DP	+19.6 +28.4 +17.1	10-19-81 2-19-82 6-17-82	255F	6-17-82	12.0	280	10-19-81	D	–
U	+30.8 +33.5 +25.0	10-15-81 2-19-82 6-17-82	40F	6-17-82	11.5	290	10-15-81	D	–
DP	+21.9	10-14-81	64F	10-14-81	–	–	–	D	–
DP	+39.0 +20.6 +34.4	3-13-81 10-14-81 3- 6-82	100F	10-14-81	–	–	–	–	–
U	+1.5 +11.5	8- 9-56 10-14-81	2.5F	10-14-81	11.0	580	10-14-81	–	–
DP	+42.15 +40.95	12-12-80 3-13-81	–	–	11.0	420	12-12-80	–	–
QT	+50.0	3- 6-81	–	–	12.0	260	8-22-80	C,W	(D-5-1)20aba-1
DP	+28.4	3- 6-81	–	–	11.5	425	9- 5-80	W	(D-5-1)20aba-2
DP	+18.5 +25.7	10- 7-80 3-19-81	60F	10- 7-80	14.0	240	10- 7-80	–	–
QT	+38.1	3-23-81	–	–	–	200S	3-23-81	L,W	–
DP,QT	+28.5 +35.3	10- 7-80 3-19-81	–	–	14.0	210	10- 7-80	–	–
DP	+37.5	3-19-81	65F	10-21-81	11.0	295	3-19-81	D,W	(D-5-1)20cbc-1
DP	+30.55 +42.35	10- 7-80 3-19-81	12F	10- 7-80	15.0	310	10- 7-80	–	–
DP	+34.9	10-21-81	135F	6-17-82	11.5	–	10-21-81	D,W	–
SP	+24.7 +26.7 +26.0	10- 7-80 3-23-81 3- 9-82	–	–	14.0	560	10- 7-80	–	–
DP	+40.8	10-21-81	47F	10-21-81	11.5	370	10-21-81	D,W	(D-5-1)20dbb-1
DP	+64.1 +68.6 +63.6	10- 7-80 3-19-81 3- 9-82	–	–	12.5	365	10- 7-80	–	–
SP	+18.0 +18.2	10- 7-80 3-19-81	–	–	12.0	640	10- 7-80	–	–
SP	+21.4	3-19-81	–	–	12.0	680	7-21-81	C,W	(D-5-1)21dba-2
DP	+59.0	3- 6-81	66F	10-21-81	13.5	420	7-22-80	C,D,W	(D-5-1)21dba-3
DP	+76.0	3- 6-81	–	–	13.0	400	7-21-81	C,W	(D-5-1)21dda-2
DP	+73.2 +77.65	10- 7-80 3-19-81	215F	10- 7-80	15.5	365	10- 7-80	–	–
DP	+56.5	3- 6-81	66F	6-18-82	11.0	430	10-22-81	D,W	–
DP	+58.65 +58.15	12-12-80 3-13-81	–	–	10.0	445	12-12-80	–	–
SP	+19.9	3- 6-81	–	–	11.5	590	3- 1-82	W	–
DP	+69.0	3- 6-81	180F	4- 1-64	12.0	290	3- 1-82	L,W	–
SP	+31.4 +31.0	10-14-80 3-19-81	–	–	12.0	790	10-14-80	–	–

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-5-1)22ddc-1	R. M. Schelly	1961	I	236	4	236	P228-236	4,521
23abc-1	R. Crockston	1975	H,I	268	6	268	O	4,585
23bca-1	D. Jones	1960	H	268	3	268	P262-268	4,563
23cda-1	U.S. Geological Survey	1981	U	18	2	18	S 16-18	4,545.7
23cdb-1	S. Hadlock	1978	I,S	254	6	254	P120-167	4,543
23dab-3	American Fork City	1890	U	400	3	–	–	4,567
23ddb-1	D. L. Burchess	1963	H,I,S	273	3	273	P268-272	4,556
24aab-3	L. R. Vacher	1962	H,I,S	105	4	105	P 97-105	4,603
24ccd-1	G. H. Williams	1961	H,I	343	3	343	P315-342	4,556
24ddd-4	E. K. Vest	1946	I	106	5	106	O	4,547
25aaa-3	F. Vest	1950	I	220	4	220	P212-?	4,542
25abb-1	Utah Turf Co.	1967	I	376	6	376	P300-372	4,550
25add-1	D. L. Roper	1973	H	170	4	170	P161-169	4,524
25bcb-1	LDS Church, Alpine Stake	1962	I,S	344	6	344	P300-340	4,530
25caa-1	G. G. Gardner	1962	H,I	231	4	152	P148-?	4,522
25cab-3	LDS Church, Alpine Stake	1945	I	152	4	152	P148-?	4,522
25ccd-1	A. M. Spencer	1948	U	330	5	330	P315-?	4,502
25cdc-1	Robinson	1965	I	126	4	126	P116-125	4,505
25daa-1	Bromley	1935	I	163	5	163	P139-163	4,523
26abc-1	S. Christiansen	–	I	–	4	–	–	4,532
26abd-1	L. Chanic	1935	I	302	4	302	P296-?	4,530
26abd-2	S. Christiansen	1934	I	114	4	114	–	4,530
26baa-1	U.S. Geological Survey	1981	U	21	2	21	S 19-21	4,531.2
26bad-1	M. Frandsen	1934	I	140	4	–	–	4,527
26bda-1	S. Kogians	1974	I,S	200	8	200	P 82-200	4,522
26bdc-1	W. Storrs	1946	I,S	247	4	247	O	4,509
26bdd-1	U.S. Geological Survey	1981	U	12	2	12	S 10-12	4,517.3
26caa-1	do.	1981	U	11	2	11	S 9-11	4,510.5
26cac-1	E. H. Devey	1948	U	119	4	119	O	4,504
26cac-2	do.	1944	U	119	4	119	P107-?	4,503
26cba-1	J. J. Poulson	1934	I	253	4	–	–	4,501
26cba-2	do.	1946	I	105	4	105	P 95-?	4,502
26cdd-1	U.S. Geological Survey	1981	U	21	2	21	S 19-21	4,497.7
26dac-1	C. Henderson	1944	S	126	3	126	O	4,507
26dba-1	W. A. Devey	1934	I	160	4	–	–	4,515
26dcc-1	M. H. Frandsen	1968	I	117	4	117	P109-117	4,501
26ddb-1	J. Elwell	1979	H,S	169	4	169	P161-169	4,503
27aac-1	J. Tattersall	1961	I	126	4	126	P100-126	4,506
27bad-1	D. N. Fenn	1978	S	85	4	85	P 77-85	4,501
27daa-1	B. F. Barlow	1977	H,I	102	4	102	P 94-102	4,498
35aaa-1	L. A. Johnson	1977	H,I	168	4	168	P160-168	4,500
35aaa-2	J. T. Young	1946	I	135	4	135	O	4,500
35aba-1	E. Smith	1965	I,S	126	4	126	P116-125	4,497
35acb-1	American Fork City	1957	H	145	3	145	P137-?	4,490

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
DP	+63.0 +66.0 +57.5	10-22-80 3-19-81 3- 9-82	–	–	12.5	420	7-21-81	C	–
DP	+7.0 +8.0 +1.3	10-24-80 3-20-81 3- 9-82	–	–	14.0	470	7-27-81	C	–
DP	+26.6 +27.6	10-14-80 3-19-81	30F	10-14-80	–	335S	3-19-81	–	–
LB	−5.37	7-20-81	–	–	–	–	–	W	–
SP	+17.8 +16.4	10-14-80 3-20-81	–	–	14.0	460	10-14-80	–	–
QT	+25.1	3- 9-81	5.0F	3- 2-82	11.5	440	10-22-81	C,D,W	(D-5-1)23dab-3
DP	+34.1 +34.1	10-22-80 3-20-81	–	–	14.0	440	10-22-80	–	–
SP	−41.39 −42.93 −45.42	11-19-80 3-30-81 3- 8-82	–	–	12.0	780S	11-19-80	–	–
DP	+35.0 +35.1	10-24-80 3-20-81	12F	10-24-80	13.0	450	10-24-80	L	–
SP	+12.9	3- 9-81	120F	6-18-82	10.5	880	10-22-81	D,W	(D-5-1)24ddd-4
SP	+20.2	3- 9-81	40F	9-28-64	11.5	1,020	3- 1-82	W	–
DP	+41.0 +41.3 +35.0	10-24-80 3-20-81 3- 9-82	–	–	16.0	400	10-24-80	–	–
SP	+35.8 +33.0	10-28-80 3-24-81	–	–	11.0	900	10-28-80	–	–
DP	+63.5 +65.5 +56.3	10-22-80 3-20-81 3- 9-82	435F	10-22-80	13.0	400	10-22-80	–	–
SP	+15.0	11- 6-80	400F	11- 6-80	13.0	950	11- 6-80	–	–
SP	+35.0	3- 6-81	160F	10-22-81	11.5	900	10-22-81	D,W	–
DP	+55.0	3- 6-81	–	–	11.0	370	3- 1-82	W	(D-5-1)25ccd-1
SP	+48.5	3- 6-81	–	–	12.0	900	3- 1-82	W	–
SP	+35.7	3- 9-81	215F	9- 9-63	11.5	1,000	3- 1-82	W	–
U	+17.7	10-28-81	19F	10-28-81	12.0	840	10-28-81	–	–
DP	+46.0	3-23-81	45F	3- 4-82	11.0	430	3-20-81	D,W	(D-5-1)26abc-1
SP	+21.6 +18.9	3-20-81 10-27-81	35F	10-27-81	–	880S	3-20-81	–	–
LB	−2.77	7-20-81	–	–	–	–	–	W	–
SP	+27.2	3-20-81	140F	10-27-81	13.0	850	7-21-81	C,D,W	(D-5-1)26bad-1
SP,DP	+29.8	3-20-81	230F	6-10-82	14.0	850	10-22-80	D,W	–
DP	+39.3	3-20-81	–	–	12.0	400	3-20-81	W	–
LB	−4.87	7-20-81	–	–	–	–	–	W	–
LB	−1.84	7-20-81	–	–	–	–	–	W	–
SP	–	–	40F,e	10-27-81	11.5	900	10-27-81	–	–
SP	+38.4	4-19-47	205F	10-27-81	11.0	900	10-27-81	–	(D-5-1)26cdb-1
DP	+31.0	10-27-81	6.6F	10-27-81	12.0	940	10-27-81	–	–
SP	+32.6 +33.0	10-27-81 2-22-82	110F	2-22-82	11.0	850	10-27-81	D	–
LB	−4.45	7-20-81	–	–	–	–	–	W	–
SP	+41.3	10-27-81	–	–	12.0	1,020	10-27-81	–	–
SP	+34.7	10-27-81	120F	6-18-82	12.0	800	10-27-81	D,W	–
SP	+35.7	10-28-81	29F	10-28-81	12.0	950	10-28-81	–	–
SP	+47.0	10-27-81	14F	10-27-81	13.0	850	10-27-81	–	–
SP	+34.5	3-20-81	–	–	10.5	750	3-20-81	W	–
SP	+35.6 +36.2	11-20-80 3-19-81	–	–	11.0	700	11-20-80	–	–
SP	+40.5	3-19-81	–	–	11.5	620	7-27-81	C,W	–
SP	+51.0 +53.0	10-22-80 3-23-81	130F	10-27-80	14.0	750	10-22-80	–	–
SP	+44.0	10-22-81	105F	6-18-82	11.0	930	10-22-80	D,W	–
SP	+52.0 +51.0 +45.6	10-28-80 3-23-81 3- 9-82	–	–	11.0	1,000	10-28-80	–	–
SP	+39.0	8-21-80	–	–	12.0	860	8-22-80	C,W	(D-5-1)35ada-1

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-5-1)35acb-2	U.S. Geological Survey	1981	U	15	2	15	S 13-15	4,491.7
36bdb-1	S. Williamsen	1963	I	166	6	166	P153-163	4,493
36bdb-2	H. Williamsen	1956	I	189	4	189	P181-?	4,493
(D-5-2)6acd-1	Manila Water Co.	1954	P	578	12	578	P386-555	4,955
6bcc-1	Wagstaff	1952	U	50	10	–	–	4,867
7ddc-1	C. L. Warnick	1933	U	15	36	–	–	4,730
8bca-1	S. R. Ekins	1960	I,S	455	12	425	P220-328	4,815
8bdc-1	E. Carson	1970	H,I,S	296	6	296	P 65-238	4,820
8ccc-1	Manila Water Co.	1954	P	360	12	360	P229-358	4,720
17abc-1	N. Person	1977	H,I	212	6	–	P186-197	4,725
18aab-2	S. and E. Huntsman	1976	H,I,S	187	6	187	O	4,730
18aba-1	J. Batchler	1972	I	315	6,4	315	O	4,745
18bba-1	D. T. Savage	1976	I	275	6	–	P255-274	4,710
18bca-1	R. H. Magleby	1968	H,S	232	6	232	P215-225	4,652
18bca-2	do.	1978	I,S	221	6	221	P210-220	4,645
18cab-1	C. F. Haupt	1974	H,I,S	220	6	220	P208-218	4,624
18cba-1	H. Taylor	1944	U	75	4	75	P 73-?	4,620
18ccd-1	J. M. Slater	1970	H,I,S	120	6	120	O	4,606
18ccd-2	J. L. Hadfield	1979	U	264	8	262	O	4,605
18dbd-2	J. Glen	1978	U	123	6	123	O	4,615
19abc-1	Ewell	–	I,S	27	84	–	–	4,581
19abd-1	K. Lippold	1971	I,S	309	6	309	P280-300	4,573
19ccc-1	R. G. Smith	1963	I	347	6	347	P287-347	4,547
19cdc-2	P. T. Blake	1973	H,I	149	4	149	P140-148	4,548
19dab-2	M. Hone	1973	H,I,S	295	6	295	O	4,548
19dad-1	G. Peay	–	I	60	4	60	O	4,544
19dca-1	L. Robinson	1933	H	90	3	–	–	4,544
19ddb-1	C. M. Wilson	1974	H,I,S	103	8	102	O	4,543
20abd-1	R. Davis	1957	H	289	4	289	P241-?	4,623
20bbc-1	H. Carson	1968	H,I	113	6	113	O	4,581
20cba-4	R. A. James	1934	H,I	265	3	265	O	4,552.2
20dba-1	Pleasant Grove City	1973	P	493	8	493	P200-490	4,615
21cba-1	Pleasant Grove Irrigation Co.	1955	I	445	16	–	P187-?	4,738
21ddb-1	Pleasant Grove City	1954	P	532	16	532	P309-530	4,815
27baa-1	do.	1976	P	580	20,16	574	P529-570	5,042
27cca-1	Lindon City	1968	P	478	20,16	472	P295-468	4,780
28daa-1	Pleasant Grove City	1964	P	410	16	410	P260-406	4,780
29abc-1	–	–	I	–	2	–	–	4,545
29acb-1	O. Monson	1935	I	100	4	100	P 94-?	4,547

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
LB	−4.34	7-20-81	–	–	–	–	–	W	–
SP	+63.5	3-23-81	–	–	13.0	900	7-25-81	C	–
SP	+63.0	3-23-81	–	–	11.0	740	3-23-81	–	–
PLB	−354.9	3-18-81	–	–	13.0	560	7-31-81	C,L,W	–
LB	−36.4 −39.2	11-18-80 3-31-81	–	–	–	–	–	–	–
LB	−5.36	3- 6-81	–	–	–	–	–	W	(D-5-2)7dcd
PLB	−219.4 −210.88	11-18-80 3-31-81	–	–	–	–	–	–	–
LB,PLB	−58.9 −64.74 −68.0	11-18-80 3-31-81 3- 2-82	–	–	–	–	–	–	–
DP	−134 −124.1	9- 9-57 3-18-81	–	–	–	–	–	C	(D-5-2)8ccd-1
SP	−140.55 −145.91 −149.58	9-29-80 3-31-81 3- 1-82	–	–	14.5	580	9-29-80	–	–
SP	−150.5 −152.75	11-18-80 3-30-81	–	–	–	750S	11-18-80	–	–
SP	−166.66	3-30-81	–	–	13.0	700	7-13-81	C,W	–
DP	−113.7 −114.16 −119.89	11-19-80 3-30-81 3- 2-82	–	–	11.5	560S	11-19-80	L	–
DP	−58.2 −59.39	11-19-80 3-30-81	–	–	11.5	580	11-19-80	–	–
DP	−52.8	11-20-80	–	–	–	–	–	–	–
DP	−31.6 −32.85	11-19-80 3-30-81	–	–	–	500S	11-19-80	–	–
SP	−57.18 −54.50	4-13-47 3-30-81	–	–	–	–	–	–	(D-5-2)18acd
SP	−42.4	11-19-80	–	–	–	800S	11-19-80	–	–
DP	−11.5 −12.57 −18.32	11-19-80 3-30-81 3- 8-82	–	–	–	–	–	–	–
SP	−46.6 −48.55 −51.02	11- 9-80 3-30-81 3- 2-82	–	–	–	–	–	–	–
LB	−15.66	3- 6-81	110P	7-13-73	14.5	690	7-13-73	W	–
DP	+19.0 +18.5	7- 8-80 3-23-81	–	–	13.0	445	7- 8-80	L	–
DP	+42.0	7-22-80	–	–	13.0	490	7-27-81	C	–
SP	+16.0 +13.5	10-24-80 3-23-81	–	–	12.0	1,040	10-24-80	–	–
DP	+40.1 +38.95 +33.45	7- 8-80 3-24-81 3- 9-82	–	–	14.0	420	7- 8-80	–	–
SP	+16.2	10-22-81	95F	10-22-81	11.0	900	10-22-81	D,W	–
SP	+18.5	3- 9-81	–	–	11.0	940	3- 2-82	W	(D-5-2)19dca-1
SP	+18.5 +16.5	11- 6-80 3-23-81	–	–	–	850	7-29-81	C	–
DP	−44.17 −49.94	3-13-81 3- 8-82	–	–	13.0	240	8-27-80	C,L	–
SP	−23.80 −22.56	7- 8-80 3-30-81	–	–	–	800S	7- 8-80	–	–
DP	+37.1	3-13-81	–	–	–	470S	3-13-81	W	–
PLB	−39.0	3-28-81	–	–	–	–	–	–	–
PLB	−162.5	3-13-81	1,540P	7-20-81	13.0	630	7-30-81	C,D,L,W	(D-5-2)21bcd-1
PLB	−254.14	3-18-81	–	–	–	–	–	–	–
B	−494.9	3-28-81	–	–	–	560S	7-27-81	C	–
PLB	−216.6 −217.93 −221.96	2-12-81 3-28-81 3- 9-82	–	–	–	–	–	L	–
U	−230.0	3-28-81	–	–	–	600S	7-16-80	–	–
SP	+12.9	10-26-81	5.8F	10-26-81	12.5	640	10-26-81	–	–
SP	+13.7 +12.8 +16.4	10-26-81 2-19-82 7- 1-82	115F	7- 1-82	12.5	550	10-26-81	D	–

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-5-2)29acb-2	–	–	I	–	2	–	–	4,547
29bad-4	Pleasant Grove City	1953	I	102	4	102	O	4,539
29bbb-2	K. West	1954	I,S	90	4	90	P 82-?	4,534
29bbd-1	–	–	S	–	2	–	–	4,531
29bbd-2	–	–	S	–	2	–	–	4,526
29bca-1	West Field Irrigation Co.	1934	I,S	123	5	123	O	4,525
29bda-3	E. Driggs	1938	I	101	4	101	O	4,537
29bda-5	–	–	I	–	4	–	–	4,537
29bdc-1	–	–	I,S	–	2	–	–	4,525
29caa-1	J. N. West	1960	I	322	4	322	P314-322	4,535
29caa-2	H. A. Smith	–	I	126	4	126	–	4,532
29caa-3	–	–	I	–	4	–	–	4,535
29cab-3	–	–	I	–	5	–	–	4,528
29ccd-1	Gillman	1938	I	170	4	170	P164-?	4,512
29dab-1	Mayne	–	I	–	2	–	–	4,560
29dab-2	Walker	1900	I,S	–	2	–	–	4,555
29dba-1	J. Warnick	1931	I	104	4	104	P 75-90	4,551
29dba-5	Spring Ditch Irrigation Co.	1931	I	100	4	–	–	4,550
29dbb-1	J. West	1955	S	289	4	289	P 75-?	4,538
29dbb-4	W. H. Adams	1955	S	63	3	63	P 57-?	4,540
29dbd-3	Spring Ditch Irrigation Co.	1943	I	83	4	83	P 68-?	4,540
29dbd-4	do.	1943	I	82	4	82	P 67-?	4,543
29dbd-8	do.	1943	I	83	4	83	P 68-?	4,540
29dbd-9	do.	1943	I	84	4	84	P 68-?	4,540
29dbd-10	do.	1943	I	81	4	81	P 66-?	4,543
29dbd-11	do.	1955	I	120	4	120	P 75-?	4,540
29dbd-12	do.	1955	I,S	120	4	120	P 73-?	4,540
29dbd-13	L. Weyland	1961	I	300	4,3	300	P292-300	4,543
29dbd-14	D. Blackhurst	1976	I	290	6	290	O	4,540
29dbd-16	Utah Power and Light Co.	1976	H,S	126	6	126	P115-125	4,541
29dbd-17	B. Anderson	1963	I	410	8	410	P100-238	4,540
29dcd-2	S. D. Harper	1955	I	132	4	132	P110-?	4,534
29dcd-3	B. Anderson	1977	I	318	6	318	P101-290	4,534
29ddc-2	D. Walker	1931	I	92	4	–	–	4,544
29ddc-3	–	–	I	–	1.5	–	–	4,544
30acb-1	–	–	I	–	5	–	–	4,525
30adb-1	R. Williamsen	1961	I	214	5	214	P190-210	4,525
30adc-1	N. R. Merrill	1979	H,I	148	4	148	P140-148	4,522
30bab-1	R. Smith	1961	I	332	8	332	P175-330	4,541
30cab-2	Williamson	1955	I	105	4	105	P 97-?	4,518
30cbd-2	R. Williamson	1973	I	147	4	147	P138-146	4,514
30ccb-2	A. Bromley	1946	I	225	5	225	P164-220	4,515
30dca-1	do.	–	I	140	5	–	–	4,508
30dca-2	V. N. West	1934	I	140	5	–	–	4,512

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(—) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
SP	+13.5	10-26-81	0.9F	10-26-81	12.5	560	10-26-81	—	—
SP	+22.9	3-13-81	130P	8-27-81	13.0	620	8-27-80	C,D,W	(D-5-2)29bda-4
SP	—	—	10F	11- 3-81	12.0	800	11- 3-81	—	—
SP	+26.5	11- 3-81	1.0F	11- 3-81	12.0	780	11- 3-81	—	—
U	—	—	4.0F	10-27-81	—	—	—	—	—
SP	—	—	385F	10-27-81	12.0	770	10-27-81	—	—
SP	+24.3 +23.2 +24.2	10-26-81 2-19-82 7- 1-82	210F	7- 1-82	12.5	560	10-26-81	D	—
SP	—	—	145F	2-19-82	12.0	580	10-26-81	D	—
SP	+35.3 +34.9	10-26-81 2-19-82	26F	2-19-82	12.0	780	10-26-81	D	—
DP	+41.3 +33.8 +36.0	3-16-81 10-27-81 3- 8-82	130F	7- 1-82	13.0	410	8-27-81	C,D,L	—
SP	+34.4	3-17-81	130F	7- 1-82	11.5	650	3-17-81	C,D,W	—
SP	—	—	83F	7- 1-82	12.0	630	10-27-81	D	—
SP	—	—	84F	10-27-81	12.0	700	10-27-81	—	—
SP	—	—	105F	11- 2-81	—	—	—	—	—
SP	—	—	10F	11- 3-81	12.0	610	11- 3-81		
SP	+9.0	10-27-81	12F	10-27-81	12.0	700	10-27-81	—	—
SP	+7.6 +9.8 +8.3	3- 2-36 3-17-81 10-27-81	19F	10-27-81	12.0	660	10-27-81	—	—
SP	+9.0 +15.3	8-30-35 10-28-81	93F	10-28-81	12.0	650	10-28-81	—	—
SP,DP	+14.9	3- 9-81	110F	3- 2-82	12.0	440	10-27-81	D,W	(D-5-2)29dbb-4
SP	—	—	1.0F	10-27-81	13.0	700	10-27-81	—	—
SP	+17.0	10-28-81	50F	10-28-81	11.5	650	10-28-81	—	—
SP	—	—	61F	7- 1-82	12.0	670	10-28-81	D	—
SP	+16.6	10-28-81	100F	7- 1-82	12.0	680	10-28-81	D,W	—
SP	+17.1 +16.4 +11.1	10-28-81 2-19-82 7- 1-82	15F	7- 1-82	11.5	700	10-28-81	D	—
SP	—	—	150F,e	10-28-81	—	—	—	—	—
SP	+20.3 +18.4	3-23-65 10-28-81	135F	10-28-81	11.5	670	10-28-81	D	—
SP	+21.5	3-17-81	270F	3- 2-81	11.5	670	10-28-81	D,W	—
DP	+29.55	3-17-81	50F	10-28-81	12.0	380	8-27-81	C,W	—
DP	+32.0 +34.1	7-22-80 3-17-81	—	—	14.0	420	7-22-80	—	—
SP	+15.0 +14.7	10-28-81 3- 8-82	25F,e	10-28-81	12.0	650	10-28-81	—	—
SP,DP	+12.9 +19.8	7-17-80 10-28-81	—	—	15.0	680	7-17-80	—	—
SP	—	—	77F	11- 2-81	11.5	—	11- 2-81	—	—
SP,DP	—	—	105F	11- 2-81	—	—	—	—	—
SP	—	—	20F	11- 2-81	—	—	—	—	(D-5-2)29ddc-2
U	—	—	8.0F	11- 2-81	—	—	—	—	—
U	+31.0	3-23-65	420F	10-23-81	11.0	830	10-23-81	D	—
SP	+38.3 +36.9	11- 6-80 3-23-81	500F	11- 6-80	13.0	650	11- 6-80	—	—
SP	+38.9 +37.3	10-28-80 3-23-81	100F,e	10-28-80	14.0	600	10-28-80	—	—
SP,DP	+17.0	7-22-80	—	—	14.0	475	7-22-80	L	—
SP	+38.8	10-23-81	210F	6-18-82	11.0	760	10-23-81	D,W	—
SP	+40.1 +44.8	7- 8-80 3-23-81	—	—	12.0	700	7- 8-80	—	—
SP	+41.2	3-28-66	—	—	13.0	800	8-25-81	C,W	(D-5-2)30ccb-2
SP	+48.9	3- 9-81	—	—	11.0	750	3- 6-82	W	—
SP	+44.8	10-23-81	170F	10-23-81	11.0	750	10-23-81	D,W	(D-5-2)30dca-1

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-5-2)30dda-1	J. Thorne	1912	I	134	4	–	–	4,510
31acb-1	B. B. Frampton	–	I	147	4	147	P139-147	4,501
31adb-1	Utah State Road Commission	1964	H,I	150	4	154	P142-150	4,501
31bad-1	R. J. Peterson	1961	I,S	252	4	252	P140-179	4,502
31bcd-1	R. Thompson	1960	I,S	147	4	147	P139-147	4,496
32bab-1	K. J. Anderson	1962	H,I	315	3	315	O	4,515
32bca-1	B. Anderson	1969	S	175	3	175	P171-175	4,510
32bdb-2	do.	1945	I	171	5	–	–	4,510
32bdb-3	do.	1955	H	334	3	334	P328-?	4,510
32dbd-1	Geneva Food and Chemical	1947	U	376	4	376	O	4,530
33bbd-1	H. Maxfield	–	I	415	12	415	P150-410	4,573
34bca-1	Lindon City	1968	P	478	16	478	–	4,730
34cac-1	do.	1948	P	445	10	445	P407-?	4,737
34ccb-1	T. Rogers	1971	I	290	6	290	P276-286	4,732
34cdd-1	Lindon Irrigation Co.	1934	I	65	12	65	P 39-65	4,750
(D-6-2)3bdd-1	Pioneer Pumping Co.	1919	I	75	16	75	P 32-75	4,757
6acb-2	Utah Power and Light Co.	1944	S	147	4	147	P132-?	4,500.9
6acc-1	do.	1934	I,S	117	4	–	–	4,501
8acb-1	United States Steel Co. Geneva Works	1950	N	1,192	18	1,192	P786-1,158	4,543
8bca-6	do.	1950	N	1,066	18	1,066	P880-1,035	4,531
8bcd-4	do.	1948	N	830	16,12	830	P748-?	4,531
8cac-5	do.	1951	N	1,190	18	1,190	P882-1,170	4,530
8cda-1	do.	1951	N	1,090	18	1,090	P756-1,074	4,531
9ccc-1	U.S. Geological Survey	1981	U	467	4,1	467	P387-467	4,575
9dab-1	Orem Metropolitan Water District	1960	P	900	30,24,20	900	P325-885	4,717
11cdd-1	do.	1946	P	469	12,10	469	P409-?	4,805
12bdb-1	do.	1961	P	923	24,20	910	P375-880	4,853
13adc-1	Provo City	1980	P	495	20,12.75	345	S240-495	4,750
13add-1	U.S. Energy	1979	U	280	8,6	280	O	4,755
13cab-1	Orem Metropolitan Water District	1967	P	531	24,20	531	P300-515	4,809
14bcd-1	do.	1973	P	650	24,20,16	–	P480-618	4,778
17aca-1	LDS Church, Orem Multistake Dairy	1978	I,S	200	16,12	200	P129-195	4,538
17acd-4	C. M. Stone	1953	I	131	4	–	P122-?	4,536
17cab-1	L. E. Holdaway	–	H	–	4	–	–	4,526
17cdd-4	F. R. Holdaway	1973	I	241	8	–	P 90-219	4,530
17dac-1	H. Williamson	1943	I	123	4	123	P110-?	4,540
17dcc-1	R. T. Holdaway	1978	H	253	6	253	P210-252	4,532
17ddd-2	Neilsen	1917	I	280	2.5	280	O	4,540
18aaa-2	D. G. Allen	1975	I,S	160	16,12	160	P103-153	4,520
18abb-2	LDS Church, Provo and Orem Stakes	1942	S	117	3	117	O	4,505
18add-3	R. Gammon	1975	H,I,S	157	16	–	P105-153	4,516

selected wells—Continued

Principal water-bearing unit	Water level: Above (+) or below(−) land surface (ft)	Water level: Date	Discharge: Rate (gal/min)	Discharge: Date	Water-quality parameters: Water temperature (°C)	Water-quality parameters: Specific conductance	Water-quality parameters: Date	Other data available	Previous location number
SP	+56.0	3-23-81	75F	10-23-81	11.0	480	3-23-81	D,W	(D-5-2)29ccc-1
SP	+57.0	3-24-81	52F	10-23-81	11.0	720	10-23-81	D,W	–
SP	+59.2 +56.0	10-28-80 3-24-81	–	–	10.0	600	10-28-80	–	–
SP	+60.0 +55.0	2-25-81 3-24-81	–	–	11.5	800	3-24-81	–	–
SP	+52.0	3-24-81	–	–	12.5	600	3-24-81	–	–
DP	+58.0 +50.5	3-17-81 3- 8-82	–	–	–	400S	3-17-81	L	–
SP	+51.0	3-17-81	–	–	–	650S	3-17-81	–	–
SP	+50.0 +46.5	3-17-81 3- 8-82	–	–	–	630S	3-17-81	C	–
DP	+55.2 +59.0 +53.8	2-27-57 3-17-81 3- 8-82	–	–	11.5	390	3-17-81	C	–
DP	+9.5	3-17-81	–	–	–	430S	3-17-81	L	–
SP,DP	−8.08 −12.04	3-17-81 3- 8-82	260P	7-12-66	–	–	–	–	–
PLB	−171.7 −172.93 −176.85	2-12-81 3-28-81 3- 9-82	–	–	–	560S	7-17-80	–	–
PLB	–	–	–	–	13.0	580	8-31-81	C	–
SP	−177.8 −177.17 −180.59	7-17-80 3-17-81 3- 8-82	–	–	14.0	700	8-31-81	C,L	–
LB	−39.17 −39.02	3-17-81 3-24-82	790P	7-20-81	13.5	750	7-20-81	C,D	–
LB	−47.15	3-25-81	225P	8-15-77	13.5	630	8-15-77	W	(D-6-2)3bdd-1
SP	+41.3	3- 9-81	–	–	10.0	750	3- 2-82	W	–
SP	+29.9	10-23-81	210F	2-22-82	16.0	780	7-25-81	C,D,W	(D-6-2)6acc-1
QT	+14	3- 3-81	–	–	–	–	–	L,W	(D-6-2)8acb-1
QT	+22	3- 3-81	–	–	–	–	–	W	(D-6-2)8bca-6
QT	+23.3	3- 3-81	–	–	20.5	285	4-20-60	C,W	(D-6-2)8bcd-4
QT	+27	3- 3-81	–	–	–	–	–	W	(D-6-2)8cac-5
QT	+23	3- 3-81	–	–	–	–	–	W	(D-6-2)8cda-1
DP	−38.83	8-25-81	–	–	13.5	460S	4-22-82	C,L,W	–
SP,DP,QT	−171.44 −163.0	6- 6-67 3-30-81	–	–	–	–	–	L	–
DP	−218	4-15-46	–	–	15.5	540	8-31-81	C	–
PLB	−300.81	3-30-81	1,660P	7-16-64	–	–	–	L, W	–
PLB	−194.65 −196.3 −200.05	1-23-81 3-25-81 3- 8-82	–	–	–	–	–	L	–
PLB	−199.6	3-25-81	–	–	–	–	–	–	–
DP	−255.9 −254	6- 6-67 1-23-81	–	–	13.0	520	8-31-81	C	–
U	−230.1	3-30-81	–	–	16.0	460	8-31-81	C	–
SP	–	–	660P	9- 1-81	13.5	560	9- 1-81	C	–
SP	+1.2 +1.5	3-23-81 12- 3-81	–	–	13.0	590	3-23-81	–	–
U	+23.1 +22.0	12-17-80 3-23-81	14F	12-17-80	18.5	320	8-27-81	C	–
SP,DP	+16.0	12-17-80	61F	12-17-80	10.5	340	12-17-80	–	–
SP	+.61	3-23-81	360P	7-20-81	13.5	600	7-20-81	C,D	–
DP	+17.7 +16.2 +12.7	12-18-80 3-23-81 3- 8-82	–	–	9.5	310	12-18-80	L	–
DP	+13.5	3-23-81	1.9F	10-23-81	12.0	320	3-23-81	W	(D-6-2)17ddd-2
SP	+14.5	3- 9-81	–	–	9.0	580S	11-20-80	W	–
SP	+23.9	3-24-81	–	–	16.5	580	8-27-80	C,W	(D-6-2)8aba-2
SP	+17.1	3-27-81	–	–	13.0	550S	3-27-81	W	–

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-6-2)20abb-1	D. Miner	–	U	223	4	–	–	4,530
20baa-5	R. Holdaway	1947	I,S	104	6	104	O	4,525
20daa-1	L. Clegg	1948	I	105	5	105	P 98-?	4,517
21bcc-3	do.	1922	S	110	5	–	–	4,531
21cbd-1	J. J. Madsen	1959	I	129	6	129	P	4,530
21cbd-2	do.	1942	H	258	3	258	O	4,532
21cca-4	R. Blake	1958	I	111	4	111	P103-?	4,525
21cdb-1	G. Roper	1980	H,I	283	6	283	P252-283	4,532
21cdc-2	J. T. Blake	1940	I,S	249	3	249	O	4,533
22dbd-2	M. G. Fairbanks	1978	H	244	6	244	O	4,715
24aaa-1	S. Self	1978	H,I	233	6	233	O	4,720
24acc-1	Lutheran Church	–	U	222	6	222	P190-220	4,695
24ada-1	N. and D. Chapman	1975	H,I	214	6	214	O	4,710
24bdd-1	Provo City	1980	P	284	20,16,12.75	284	S180-240	4,690
24caa-1	H. Stutz	1966	H,I	248	6	248	P225-246	4,690
25bcb-1	Orem Metropolitan Water District	1955	P	700	20,18	700	P447-684	4,747
25dca-1	Provo City	1961	P	498	20,16	498	P246-495	4,620
26cca-1	D. G. Marriott	1976	H,I	338	12,8,6	338	P320-326	4,725
26cdd-1	R. W. Humphreys	1974	H	340	12,8,6	340	P320-340	4,722
26ddd-1	West Union Canal Co.	–	I	–	–	–	–	4,700
27bcc-1	R. Jeppeson	1974	H	132	6	132	O	4,559
28acb-3	H. Clinger	1945	H,I,S	292	3	292	O	4,529
28acc-2	M. Clinger	1920	I,S	125	4	–	–	4,520
28acc-3	K. Johnson	1979	I,S	120	6	120	O	4,530
28bad-1	H. Williamson	1930	I,S	110	4	110	O	4,520
28bad-2	N. Johnson	1960	I	124	8	124	P101-123	4,520
28bbb-1	U.S. Geological Survey	1981	U	22	2	22	S 20-22	4,512
28bcd-1	N. Johnson	1949	I	110	5	110	P102-?	4,505
28cad-1	H. J. Clinger	1920	I	127	4	–	–	4,513
28dba-3	T. C. Boulton	1943	H	266	3	266	O	4,531
28ddd-2	M. and S. Taylor	1935	H,I,S	270	3.5	270	O	4,528
28ddd-3	D. E. Groo	1979	H	161	6	161	P128-160	4,534
29aaa-2	U.S. Geological Survey	1981	U	22	2	22	S 20-22	4,510
29aab-1	do.	1981	U	20	2	20	S 18-20	4,505
29abb-1	do.	1981	U	22	2	22	S 20-22	4,495
33daa-1	W. B. Adams	1943	I,S	123	4	123	O	4,512
34caa-6	D. H. Cook	1976	H,I,S	275	6	–	–	4,535
34dbb-1	R. C. Farrer	1971	I,S	131	6	126	O	4,534
(D-6-3)7ccb-1	Provo City	1975	P	423	24,20,16	423	P195-402	4,790
7ccc-1	J. W. Jaussi	1956	H	212	6	212	P200-?	4,784
18dcc-1	D. Hiatt	1974	U	300	6	300	O	4,880
19cba-1	Provo City	1965	P	534	20,16	534	P230-515	4,718

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
SP	+10.1	3- 9-81	–	–	14.0	320	3- 2-82	W	–
SP	+8.0	3-23-81	–	–	13.0	570	3-23-81	–	–
SP	+15.7	3-31-81	–	–	12.5	580	3-31-81	W	(D-6-2)20daa-1
SP	+2.5	10-23-81	2.0F	10-23-81	12.0	470	10-23-81	W	(D-6-2)21bcc-3
SP	+6.0	3-23-81	325F	3-23-81	12.5	580	3-23-81	–	–
DP	+29.0 +29.1 +19.0	4-15-47 4-29-58 3-23-81	–	–	–	340S	3-23-81	–	(D-6-2)21cbd-2
SP	+18.6	3-20-58	–	–	15.0	610S	8-27-80	C	(D-6-2)21cca-4
DP	+16.8 +15.5 +11.7	12-17-80 3-23-81 3- 8-82	68F	12-17-80	11.5	280	12-17-80	L	–
DP	+16.3	3- 4-76	–	–	–	365S	8-27-80	C,W	(D-6-2)21cdc-2
SP	−170.3 −168.7	12-16-80 3-24-81	–	–	12.5	550	8-28-81	C,L	–
PLB	−169.9 −159.94 −163.63	7-30-80 3-25-81 3- 8-82	–	–	13.0	520	7-30-80	–	–
SP	−143.46	3- 9-81	–	–	–	–	–	W	–
PLB	−168.6 −158.27	7-29-80 3-25-81	–	–	12.0	520	7-29-80	–	–
SP	−143.58	3-25-81	–	–	–	–	–	–	–
SP	−138.78	3-25-81	90P	7-29-81	11.0	500	7-29-81	C	–
DP	−195.55 −197.85	3-30-81 3-11-82	–	–	–	–	–	L	–
SP,DP	−75.76	3-24-81	–	–	–	–	–	–	–
SP	−187.8 −178.7 −181.76	7-31-80 3-24-81 3- 8-82	–	–	16.0	610	7-31-80	–	–
SP	−190.23 −180.81	7-31-80 3-24-81	–	–	–	640	8-27-81	C,L	–
U	–	–	2,730P	7-20-81	14.0	500	7-20-81	C,D	–
SP	−20.8 −20.82 −23.09	12-16-80 3-19-81 3- 8-82	–	–	–	550S	12-16-80	–	–
DP	+16.4	3- 9-81	–	–	–	470S	3- 2-82	W	–
SP	+7.5	3- 9-81	–	–	12.5	540	3- 2-82	W	–
SP	−5.65 −5.69	12-17-80 3-19-81	–	–	–	530S	12-17-80	–	–
SP	+6.1	10-23-81	22F	10-23-81	13.0	570	10-23-81	C,W	–
SP	+6.6 +9.6 +5.4	10-23-81 2-22-82 7- 1-82	180F	7- 1-82	14.0	470	10-23-81	D	–
LB	−1.24	7-20-81	–	–	15.0	540	4-22-82	C,W	–
SP	+16.9	3-31-81	295F	8-20-65	–	540S	3-31-81	W	–
SP	+16.4	3-18-81	160F	10-23-81	11.5	520	3-18-81	D,W	(D-6-2)28cad-1
DP	+13.4	3-19-81	–	–	11.0	465	3-19-81	W	(D-6-2)28dba-3
DP	+24.9	3-19-81	–	–	–	–	–	W	–
SP	−4.52 −6.07	3-19-81 3- 8-82	–	–	–	–	–	–	–
LB	−1.31	7-20-81	–	–	–	–	–	W	–
LB	−4.10	7-20-81	–	–	14.0	500	8-13-81	W	–
LB	−.8	7-20-81	–	–	14.0	420	8-13-81	W	–
SP	+17.1 +15.3 +14.3	4-15-47 4-17-58 3-19-81	–	–	13.0	580	3-19-81	–	(D-6-2)33dad-1
DP	+8.4 +5.8	3-19-81 3- 8-82	–	–	16.0	465	3-19-81	L	–
SP	−.20 +.04 −2.25	12-17-80 3-19-81 3- 8-82	–	–	–	440S	12-17-80	–	–
PLB	−204.32	3-24-81	–	–	–	–	–	–	–
PLB	−187.07	3-25-81	–	–	12.5	440	8-28-81	C,L,W	-
B	−276.07	3-25-81	–	–	–	–	–	W	–
SP,DP	−169.06	3-24-81	–	–	–	–	–	L	–

Table 1.–Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-6-3)19cbb-1	D. Young	1978	S	240	8	–	O	4,699
30bdc-1	J. B. Wilson	1978	I,S	247	6	247	O	4,752
30cab-1	M. Wilson	1979	U	250	6	–	–	4,749
31cab-2	Brigham Young University	1956	P	581	20,16	581	P480-?	4,670
(D-7-2)1aca-1	Provo City	1958	P	700	20	612	P208-272	4,567
2adb-1	L. Garrard	1970	I	200	6	200	P150-200	4,546
2bbb-1	P. Paulsen	1947	S	340	4	340	O	4,535
2dbd-1	E. D. Muir and Co.	1973	N	217	6	217	P170-210	4,533
2dda-1	S. Kropf	1927	I	176	3	–	–	4,535
3ada-4	A. Pool	1935	H	275	3.5	275	O	4,523
3add-5	E. C. Jacobson	1945	S	275	3	275	O	4,520
3bad-1	L. Francis	1973	S	144	6	144	P128-138	4,506
3cca-1	J. Allen	1945	S	137	3	137	O	4,498
3dad-1	Petroff	1925	I	138	3	–	–	4,515
3dcb-1	V. Fisher	1937	I	135	3	135	O	4,504
4acb-1	A. J. Madsen	1961	I,S	149	5	149	P141-149	4,491
4acc-1	do.	1945	I	161	5	161	P158-?	4,492
4acd-3	H. Williams	1948	I	131	4	131	P123-?	4,491
4adc-1	V. R. Fisher	1948	I	132	4	132	P124-?	4,493
4cad-1	C. Madsen	–	U	174	5	–	–	4,490
4cba-1	P. Edwards	1964	I	200	6	200	P132-190	4,490
4cba-2	R. Knudsen	1937	I	155	5	155	P149-?	4,490
4cbb-2	P. Edwards	1957	H	144	5	144	P136-?	4,490
4cbc-1	R. Knudsen	1938	I	250	5	250	P235-?	4,490
4cda-1	do.	1935	I	146	5	146	P140-?	4,490
4cdb-1	do.	1937	I,S	170	5	170	P164-?	4,489
4dac-1	do.	1935	I	145	5	145	P139-?	4,490
4dad-1	T. Halladay	1954	I	124	4	124	P116-?	4,492
4dbb-1	L. Adams	1945	I	154	4	154	P151-?	4,493
4dbc-1	V. Conder	–	H	–	3	–	–	4,490
4dda-1	J. Beckstrand	1958	I	189	4	189	P181-?	4,492
4dda-2	R. Bradford	1950	S	149	3	149	P143-?	4,495
4dda-3	J. Beckstrand	–	H	–	4	–	–	4,495
4dda-5	do.	1939	S	160	3	160	O	4,495
4dda-11	do.	1934	H	165	3	–	–	4,495
4ddb-1	T. A. Halladay	1948	I,S	153	4	153	O	4,492
5daa-1	Provo City	1942	H	277	4	277	O	4,490
9abb-1	L. Duke	1955	S	189	4,3	189	P168-189	4,489
10adc-3	C. Carter	1924	S	164	2	–	–	4,495
11aca-1	S. L. Fitzgerald	1979	I	148	4	148	P140-148	4,514
11caa-1	Ladle	1946	I,S	198	4	198	P192-?	4,507

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
SP	−153.0 −141.85 −145.49	7-29-80 3-25-81 3- 8-82	—	—	12.0	500	7-29-80	—	—
SP	−208.3 −204.01	5- 1-80 3-25-81	—	—	—	900	8-28-81	C	—
SP	−203.1 −198.81 −202.30	4-30-80 3-25-81 3- 8-82	—	—	—	—	—	—	—
DP	−105.5	3-24-81	—	—	16.5	610	8-31-81	C,W	(D-6-3)31cab-2
SP	−18.3 −16.85 −19.74	4- 4-63 3-24-81 3-11-82	—	—	15.0	720	8-31-81	C,L	(D-7-2)1abd-1
SP	−1.9 −2.5	12-17-80 3-25-81	—	—	10.0	400	12-17-80	—	—
DP	+15.2 +15.2 +12.9	12-15-80 3-24-81 3- 9-82	34F	12-15-80	—	560	8-28-81	C,L	—
SP	+10.7 +10.2	12-15-80 3-25-81	—	—	12.5	560	12-15-80	—	—
SP	+9.9	3- 2-81	—	—	14.0	620	10-21-81	W	(D-7-2)2dda-1
DP	+18.5	3-26-81	4.1F	10-23-81	13.5	540	3-26-81	D,W	(D-7-2)3aad-4
DP	+22.3	3-26-81	—	—	10.0	440	3-26-81	L,W	(D-7-2)3add-5
SP	+19.2 +18.7 +17.2	12-16-80 3-26-81 3- 9-82	—	—	12.5	560	12-16-80	—	—
SP	+28.3	3-25-81	—	—	13.0	520	3-25-81	W	(D-7-2)3cca-1
SP	+13.6	3- 2-81	—	—	12.5	520	3- 2-82	W	—
SP	+22.2	3-25-81	—	—	13.5	560	3-25-81	W	(D-7-2)3dca-1
SP	+40.0 +35.7 +30.0	12-12-80 3-24-81 10-15-81	235F	10-15-81	12.5	520	12-12-80	D	—
SP	+25.2	10- 7-81	210F	10- 7-81	13.0	560	10- 7-81	D	—
SP	+24.9 +29.4 +22.2	10- 9-81 2-22-82 7- 1-82	120F	7- 1-82	13.0	540	10- 9-81	D	—
SP	+24.4	10- 9-81	110F	7- 1-82	13.0	600	10- 9-81	D,W	(D-7-2)4adc-1
U	—	—	135F	10-15-81	—	—	—	—	—
SP	+25.75	10-12-81	185F	10-12-81	12.5	600	10-12-81	—	—
SP	+19.6	10-15-81	300F	7- 1-82	12.0	560	10-15-81	D,W	—
SP	+30.6	3- 2-81	285F	10-12-81	13.5	580	8-27-80	C,W	—
DP	+32.0	3- 2-81	490F	3- 2-82	12.0	570	10-19-81	D,L,W	(D-7-2)4cbc-1
SP	+26.85	10-19-81	240F	2-22-82	13.0	580	10-19-81	D	—
SP	+29.0	3-26-81	180F	6-30-82	14.0	560	8-28-81	C,D,W	—
SP	+22.8	10- 9-81	260F	10- 9-81	14.0	570	10- 9-81	—	—
SP	—	—	300F	10-19-81	13.0	470	10-19-81	—	—
SP	+24.1	10- 9-81	190F	10- 9-81	12.5	710	10- 9-81	—	(D-7-2)4dbb-1
U	+23.0 +25.25	8-12-57 10-19-81	—	—	12.0	490	10-19-81	—	—
DP	+22.3	10-23-81	—	—	12.0	560	10-23-81	W	(D-7-2)5daa-1
SP	+24.75	10-19-81	—	—	12.0	560	10-19-81	—	—
U	+22.9	10-23-81	—	—	12.0	530	10-23-81	—	—
SP	+28.9 +23.55	4-10-47 10-19-81	—	—	12.0	580	10-21-81	—	—
SP	+21.2	10-21-81	—	—	13.0	330	10-19-81	W	—
SP	—	—	155F	10-19-81	12.0	580	10-19-81	—	—
DP	+31.0 +19.0	4-25-58 8-27-80	—	—	13.0	580	8-27-80	C	(D-7-2)5dba-1
SP	+33.3	3-25-81	235F	3- 9-82	13.0	570	3-25-81	W	—
SP	+26.4	3- 2-81	15F	3- 2-82	13.0	640	10-19-81	D,W	—
SP	+25.8 +23.6 +22.9	12-11-80 3-25-81 3- 9-82	60F	3- 9-82	12.5	680	12-11-80	—	—
SP	+24.15	3- 2-81	—	—	—	—	—	W	—

Table 1.—Records of

Location	Owner or user	Year completed	Use of water	Depth of well (ft)	Casing			Altitude of land surface (ft)
					Diameter (in.)	Depth (ft)	Finish	
(D-7-2)11caa-2	M. D. Johnson	1967	I	180	4,3	180	P170-180	4,506
11cba-1	D. P. Vincent	1950	I,S	169	4	169	P161-?	4,502
11ddc-1	J. E. Stubbs	1920	I	167	2.5	–	–	4,503
11ddc-2	do.	1934	I	273	4	–	–	4,503
13bac-1	V. Hufford	1946	I	172	5	172	O	4,499
32dda-2	R. C. Batty	1978	H,I	550	8	550	P350-453	4,495
34dcd-1	B. Christofferson	1959	S	194	2	194	O	4,506
36dcc-2	C. Spafford	1900	I,S	186	2	186	O	4,502
(D-7-3)6cdc-3	Rupper	–	I,S	250	3	–	–	4,545
7adc-1	Provo City	1960	P	535	20	532	P298-528	4,568
7bbb-1	H. C. Call	1979	I	220	4,3	220	P220-220	4,542
7bbd-3	Wilcox	1890	I	175	2	–	–	4,535
18dcc-1	LDS Church, Provo East Stake	1962	H	322	4	322	P115-?	4,495
28bdb-1	Utah Department of Wildlife Resources	1963	U	338	20,16	338	P270-330	4,520
30aaa-1	R. Perry	1977	I,S	277	6	277	O	4,495
32bcc-2	H. Metcalf	1972	H,S	164	6	164	P152-159	4,511
32bcd-1	C. L. Jensen	1977	S	151	6	151	O	4,518
32bdd-1	N. L. Sanking	1979	I,S	160	6	160	O	4,528
33baa-6	Champerlain	1900	H,I,S	138	2	138	O	4,560
33ccc-5	Vane	1905	H	140	2	140	O	4,567

selected wells—Continued

Principal water-bearing unit	Water level		Discharge		Water-quality parameters			Other data available	Previous location number
	Above (+) or below(−) land surface (ft)	Date	Rate (gal/min)	Date	Water temperature (°C)	Specific conductance	Date		
SP	+24.4 +25.4	12-11-80 3-26-81	–	–	13.0	690	12-11-80	–	–
SP	+30.5 +31.4 +28.5	12-11-80 3-26-81 3- 9-82	215F	12-11-80	13.0	680	12-11-80	–	–
SP	+18.6	3- 2-81	26F	10-21-81	15.0	590	8-28-81	C,D,W	(D-7-2)11ddd-1
DP	+29.5	3-25-81	17F	10-21-81	–	610	8-28-81	C,D,W	(D-7-2)11ddc-2
SP	+37.9	3-25-81	–	–	11.0	600	12-15-80	W	–
DP	+32.4 +32.7 +33.3	12-12-80 3-26-81 3- 9-82	13F	12-12-80	12.5	400	12-12-80	L	–
SP	+8.4	3-26-81	8.0F	7-27-64	13.5	640	3-26-81	C,W	–
SP	+12.8	3-26-81	–	–	13.5	640	3-26-81	W	(D-7-2)36dcc-2
DP	+8.55	3- 2-81	–	–	–	–	–	W	–
DP	−32.03	3-24-81	1,500P	3- 5-65	–	750S	3- 1-65	C,L,W	–
SP	+8.9 +7.9	12-12-80 3-25-81	–	–	13.0	600	12-12-80	–	–
SP	+9.2	3- 2-81	–	–	13.0	290	–	W	(D-7-3)7bbd-3
SP	+35.5 +33.6 +31.9	12-11-80 3-26-81 3- 9-82	–	–	13.5	440	12-11-80	L	–
DP	+22.2	3- 2-81	–	–	–	1,180S	7-30-81	C,W	–
DP	+40.7	3- 9-82	–	–	14.0	490	8-28-81	C	–
SP	+14.2 +14.5	12-12-80 3-26-81	–	–	9.5	530S	12-12-80	–	–
SP	+12.8 +11.8 +13.5	12- 4-80 3-26-81 3- 9-82	–	–	15.0	550	12- 4-80	–	–
SP	+8.7 +7.9 +8.1	12- 4-80 3-26-81 3- 9-82	–	–	12.0	530	12- 4-80	–	–
SP	+9.25	3- 2-81	–	–	12.5	580	9- 3-81	C,W	(D-7-3)33baa-6
SP	+10.65	3- 2-81	–	–	–	–	–	W	–

Table 2.--Water levels in selected wells

[Water levels are in feet above(+) or below(-) land surface. Measured levels are in feet and decimal fractions; reported and estimated water levels are in full feet. P, level obtained when well was being pumped. See text for explanation of numbering system for hydrologic-data sites.]

Altitude (Alt.) of land surface: Surveyed altitudes given in feet and decimal fractions; altitudes interpolated from U.S. Geological Survey topographic maps given in full feet.

(C- 4- 1)36BAB- 1 ALT. 4574

MAR 21, 1963	-21.85	SEP 09, 1966	-12.45	MAR 04, 1969	-11.5	MAR 11, 1981	-18.12
APR 03, 1964	-19.98	DEC 14	-15.13	MAR 12, 1970	-13.89	MAR 06, 1982	-17.6
MAR 17, 1965	-17.72	MAR 16, 1967	-16.86	MAR 16, 1971	-16.07		
MAR 21, 1966	-14.64	MAR 12, 1968	-15.65	MAR 09, 1972	-15.39		

(C- 5- 1)12DAA- 2 ALT. 4517

APR 10, 1957	+12.3	FEB 07, 1958	+13.75	JUL 08, 1958	+5.7	DEC 01, 1958	+13.9
OCT 30	+11.39	MAR 25	+13.79	AUG 06	+5.5	AUG 20, 1980	+4.36
NOV 27	+13.6	APR 17	+13.8	SEP 02	+4.4	MAR 11, 1981	+13.4
DEC 23	+13.7	MAY 15	+11.41	OCT 01	+10.8		
JAN 04, 1958	+13.75	JUN 09	+5.9	NOV 01	+13.7		

(C- 5- 1)12DCC- 1 ALT. 4498

SEP 17, 1935	+12.55	MAR 28, 1966	+21.0	MAR 08, 1972	+25.45	MAR 06, 1980	+22.0
SEP 01, 1936	+16.4	SEP 09	+10.2	MAR 12, 1973	+25.6	MAR 06, 1981	+23.3
DEC 23	+21.1	DEC 15	+17.7	MAR 08, 1974	+25.35	OCT 22	+19.0
NOV 21, 1941	+9.8	MAR 09, 1967	+19.65	MAR 04, 1975	+23.65	MAR 06, 1982	+21.9
APR 14, 1947	+24.8	MAR 11, 1968	+22.3	MAR 02, 1976	+25.1	SEP 09	+18.0
MAR 21, 1963	+18.9	MAR 04, 1969	+26.1	MAR 03, 1977	+23.0		
MAR 31, 1964	+19.1	MAR 12, 1970	+26.7	MAR 06, 1978	+21.0		
MAR 18, 1965	+20.5	MAR 15, 1971	+25.2	MAR 13, 1979	+22.5		

(C- 5- 1)13DAC- 5 ALT. 4496

MAR 20, 1963	+18.2	SEP 09, 1966	+6.7	MAR 04, 1969	+25.3	MAR 12, 1973	+24.8
APR 03, 1964	+18.7	DEC 15	+18.1	MAR 12, 1970	+26.2	MAR 04, 1974	+24.7
MAR 18, 1965	+20.1	MAR 09, 1967	+19.3	MAR 15, 1971	+24.9	MAR 04, 1975	+22.35
MAR 29, 1966	+20.9	MAR 11, 1968	+22.75	MAR 08, 1972	+25.6	OCT 21, 1981	+17.9

(C- 5- 1)15AAC- 1 ALT. 4630.9

OCT 20, 1980	-122.0	JUL 03, 1981	-125.95	OCT 13, 1981	-123.45	MAR 22, 1982	-126.10
MAR 10, 1981	-124.94	17	-125.6	30	-124.1	APR 14	-126.30
APR 28	-126.01	AUG 14	-124.95	NOV 11	-123.30	MAY 26	-126.45
MAY 07	-125.85	24	-124.35	DEC 09	-123.85	JUN 23	-125.40
JUN 04	-125.95	SEP 10	-124.25	FEB 11, 1982	-125.40		
18	-126.15	29	-123.75	MAR 06	-125.70		

(C- 5- 1)22CDB- 1 ALT. 4637.5

MAR 09, 1981	-136.98	JUL 17, 1981	-135.92	NOV 11, 1981	-137.92	MAY 02, 1982	-137.02
APR 30	-147.62	AUG 24	-135.22	DEC 09	-134.92	26	-135.34
MAY 07	-150.12	SEP 10	-134.90	FEB 11, 1982	-136.82	JUN 23	-134.12
30	-140.42	29	-142.85	MAR 06	-136.52		
JUN 18	-137.92	OCT 13	-134.18	22	-136.72		
JUL 03	-136.22	30	-136.62	APR 14	-139.97		

(C- 5- 1)22DBB- 1 ALT. 4590.2

FEB 19, 1981	-86.77	MAR 09, 1981	-87.10	MAR 06, 1982	-87.70	JUN 23, 1982	-86.80

(C- 5- 1)23BDA- 1 ALT. 4522

JUL 16, 1956	-22.00	MAR 18, 1965	-23.20	DEC 19, 1966	-18.55	MAR 09, 1981	-21.77
MAR 15, 1963	-24.29	MAR 10, 1966	-21.10	MAR 09, 1967	-20.12	MAR 09, 1982	-21.73
MAR 31, 1964	-24.00	SEP 21	-17.63	AUG 21, 1980	-19.02		

(C- 5- 1)24DCD- 1 ALT. 4495

APR 24, 1958	+6.1	MAR 28, 1964	+6.5	MAR 22, 1966	+7.8	MAR 13, 1981	+8.8
MAR 21, 1963	+3.6	MAR 18, 1965	+7.5	OCT 09, 1980	+6.15		

(C- 5- 1)25AAA- 1 ALT. 4491

OCT 08, 1980	+18.4	MAY 29, 1981	+21.75	AUG 25, 1981	+11.5	OCT 30, 1981	+21.8
MAR 09, 1981	+25.0	JUN 18	+17.4	SEP 11	+16.4	MAY 02, 1982	+21.6
APR 30	+22.7	JUL 02	+15.5	30	+17.2		
MAY 07	+22.9	17	+15.55	OCT 14	+20.0		

Table 2.--Water levels in selected wells--Continued

(C- 5- 1)25AAA- 2 ALT. 4492

OCT 08, 1980	+10.1	JUL 03, 1981	+7.9	OCT 14, 1981	+10.7	MAR 04, 1982	+12.5
MAR 09, 1981	+15.25	17	+7.75	30	+11.1	22	+12.3
APR 30	+12.3	AUG 11	+7.0	NOV 12	+11.2	APR 08	+12.6
MAY 07	+12.0	25	+6.3	DEC 09	+12.3	MAY 02	+11.3
29	+12.1	SEP 11	+8.5	JAN 21, 1982	+12.3	26	+10.1
JUN 19	+9.9	30	+8.7	FEB 16	+12.8	JUN 29	+8.6

(C- 5- 1)25AAA- 3 ALT. 4492

APR 17, 1958	+24.7	SEP 09, 1966	+13.9	MAR 04, 1969	+34.2	MAR 05, 1973	+32.3
MAR 13, 1963	+20.2	DEC 15	+32.1	MAR 12, 1970	+36.8	MAR 09, 1981	+38.2
MAR 18, 1965	+23.9	MAR 09, 1967	+33.2	MAR 19, 1971	+36.5		
MAR 24, 1966	+24.5	MAR 11, 1968	+27.8	MAR 14, 1972	+35.5		

(C- 5- 1)25ABC- 3 ALT. 4492

APR 09, 1947	+10.5	MAR 21, 1963	+4.0	MAR 18, 1965	+6.5	DEC 15, 1966	+6.1
APR 17, 1958	+8.0	APR 03, 1964	+5.2	MAR 28, 1966	+5.8	MAR 09, 1967	+5.85

(D- 4- 1)25DDB- 1 ALT. 4932

NOV 03, 1980	-305.5	AUG 10, 1981	-317.1	JAN 19, 1982	-319.1	JUN 15, 1982	-295.78
MAR 27, 1981	-311.08	24	-318.75	FEB 11	-318.4	23	-292.92
APR 23	-312.7	SEP 10	-317.8	MAR 06	-318.4	30	-291.06
MAY 07	-314.6	29	-322.8	22	-317.1	JUL 15	-290.29
JUN 04	-316.6	OCT 13	-323.3	APR 30	-311.0	SEP 20	-299.65
18	-316.6	29	-322.45	MAY 18	-306.95		
JUL 02	-314.6	NOV 11	-322.6	JUN 02	-300.90		
17	-315.3	DEC 08	-323.5	09	-298.14		

(D- 4- 1)26AAC- 1 ALT. 4923

NOV 03, 1980	-317.6	JUL 02, 1981	-321.8	OCT 13, 1981	-326.8	MAR 06, 1982	-324.05
MAR 27, 1981	-317.08	17	-322.7	29	-326.45	22	-323.8
APR 23	-318.35	AUG 10	-324.6	NOV 11	-326.8	APR 14	-322.93
MAY 07	-319.9	24	-325.5	DEC 08	-327.5	30	-321.83
28	-319.9	SEP 09	-325.4	JAN 19, 1982	-324.5	MAY 18	-321.16
JUN 18	-321.0	29	-328.15	FEB 11	-323.9		

(D- 4- 1)30CDB- 1 ALT. 4800

SEP 29, 1980	-197.82	JUL 02, 1981	-197.1	OCT 13, 1981	-204.2	MAR 06, 1982	-220.1
MAR 10, 1981	-216.96	17	-196.25	29	-201.95	22	-219.7
APR 28	-240.8	AUG 10	-196.9	NOV 11	-209.7	APR 14	-220.44
MAY 07	-225.35	24	-195.7	DEC 08	-212.9	30	-221.20
28	-213.95	SEP 09	-196.0	JAN 19, 1982	-214.95	MAY 18	-222.9
JUN 18	-202.1	29	-200.76	FEB 11	-217.5	JUN 29	-197.55

(D- 4- 1)31BBD- 1 ALT. 4700

NOV 11, 1980	-151.9	JUL 02, 1981	-142.9	OCT 13, 1981	-145.4	MAR 06, 1982	-144.4
MAR 10, 1981	-140.85	17	-149.6	29	-144.8	22	-144.2
APR 28	-152.1	AUG 10	-144.2	NOV 11	-144.5	APR 14	-144.3
MAY 07	-156.2	24	-145.1	DEC 08	-144.6	30	-144.3
28	-144.7	SEP 09	-145.3	JAN 19, 1982	-145.4	MAY 18	-144.16
JUN 18	-151.2	29	-145.7	FEB 11	-147.1	JUN 29	-143.26

(D- 4- 1)33CDC- 1 ALT. 4777

OCT 08, 1980	-176.45	JUL 02, 1981	-178.8	OCT 13, 1981	-182.80	MAR 22, 1982	-180.10
MAR 24, 1981	-174.1	17	-180.25	29	-182.15	APR 14	-178.85
APR 23	-174.9	AUG 10	-181.5	NOV 11	-182.25	30	-179.45
MAY 07	-179.65	24	-182.2	DEC 08	-182.15	MAY 18	-179.45
28	-176.15	SEP 09	-183.15	JAN 19, 1982	-180.95	JUN 29	-176.77
JUN 18	-177.8	29	-184.1	MAR 06	-180.7		

(D- 4- 1)36ADC- 1 ALT. 4935

MAY 05, 1982	-325.26	MAY 26, 1982	-316.97	JUN 15, 1982	-310.61	JUL 15, 1982	-309.07
12	-323.42	JUN 02	-314.98	23	-308.56		
19	-319.89	09	-312.52	30	-307.42		

Table 2.--Water levels in selected wells--Continued

(D- 4- 1)36CAB- 1 ALT. 4903

JUN 06, 1958	-300.	MAR 08, 1982	-305.52	MAY 26, 1982	-291.16	JUN 23, 1982	-283.86
JUL 01	-292.76	MAY 05	-296.42	JUN 02	-289.36	30	-282.71
AUG 04	-295.35	12	-295.68	09	-287.42	JUL 15	-282.31
MAR 30, 1981	-294.20	19	-293.56	15	-285.80		

(D- 4- 2)18BDD- 1 ALT. 5230

SEP 30, 1965	-121.32	AUG 03, 1977	-144.	DEC 04, 1978	-131.	OCT 13, 1981	-148.15
APR 13, 1973	-159.	SEP 20	-146.	28	-137.	29	-151.8
JUN 18	-128.	DEC 01	-155.	MAR 27, 1979	-147.	NOV 11	-154.2
28	-125.	JAN 17, 1978	-161.	MAY 02, 1980	-153.4	JAN 19, 1982	-160.9
SEP 15	-133.	FEB 15	-166.	MAR 27, 1981	-153.2	FEB 11	-163.4
24	-135.	APR 18	-159.	APR 23	-153.25	MAR 06	-165.05
OCT 10	-138.	MAY 19	-158.	MAY 07	-153.1	22	-162.95
18	-139.	JUN 27	-123.	28	-149.4	APR 30	-161.5
FEB 23, 1977	-150.	JUL 21	-137.	JUN 18	-141.2	MAY 18	-161.24
MAR 23	-151.	AUG 23	-117.	AUG 14	-132.2		
APR 29	-154.	SEP 29	-125.	SEP 09	-138.2		
JUN 16	-145.	OCT 26	-119.	29	-146.0		

(D- 4- 2)18CCA- 1 ALT. 5090

SEP 30, 1980	-142.26	JUL 02, 1981	-160.5	OCT 13, 1981	-164.8	MAR 22, 1982	-182.75
MAR 30, 1981	-175.3	17	-156.2	29	-167.6	APR 30	-181.3
APR 28	-177.66	AUG 10	-154.25	NOV 11	-169.65	MAY 18	-185.1
MAY 07	-177.1	24	-155.88	DEC 08	-173.0	JUN 29	-150.45
28	-176.3	SEP 09	-157.45	JAN 19, 1982	-177.6	JUL 15	-137.32
JUN 18	-166.3	29	-162.1	MAR 06	-182.0		

(D- 4- 2)19CCB- 1 ALT. 4955

MAR 14, 1966	-320.	OCT 18, 1973	-309.	DEC 01, 1977	-344.	SEP 29, 1978	-302.
AUG 29	-322.	FEB 23, 1977	-326.	JAN 17, 1978	-346.	OCT 26	-305.
NOV 01	-354.	MAR 23	-326.	FEB 15	-345.	DEC 04	-320.
APR 19, 1973	-320.	APR 27	-329.	MAY 19	-338.	MAR 31, 1981	-314.0
MAY 15	-321.	JUN 16	-335.	JUN 27	-334.	MAR 10, 1982	-322.05
JUN 18	-306.	AUG 13	-358. P	JUL 21	-302.		
OCT 10	-318.	SEP 20	-343.	AUG 23	-294.		

(D- 4- 2)19DDA- 1 ALT. 5100

NOV 03, 1980	-396.1	JUN 25, 1981	-404.86	AUG 24, 1981	-394.6	OCT 29, 1981	-398.55
MAR 27, 1981	-398.54	JUL 02	-399.4	SEP 10	-392.15		
APR 23	-405.1	20	-415.7	29	-399.3		
MAY 07	-406.2	AUG 14	-393.6	OCT 13	-402.25		

(D- 4- 2)31ABD- 1 ALT. 4980

NOV 03, 1980	-365.6	AUG 24, 1981	-375.0	FEB 11, 1982	-372.0	JUN 02, 1982	-340.90
MAR 31, 1981	-367.0	SEP 10	-372.98	MAR 06	-371.0	09	-338.25
APR 28	-386.4	16	-377.45	22	-366.7	15	-335.60
MAY 07	-387.85	20	-377.5	APR 23	-360.02	23	-333.20
JUN 04	-372.5	OCT 13	-379.7	30	-359.05	30	-333.03
18	-368.4	NOV 02	-378.6	MAY 05	-359.8	JUL 15	-338.34
JUL 02	-369.1	11	-379.2	12	-353.78		
17	-370.7	DEC 08	-380.5	19	-347.91		
AUG 10	-373.3	JAN 19, 1982	-372.2	26	-344.25		

(D- 4- 2)31BDA- 1 ALT. 4975

NOV 24, 1958	-362.0	MAR 31, 1981	-373.86	SEP 16, 1981	-378.74	SEP 17, 1981	-382.7

(D- 5- 1) 1AAA- 1 ALT. 4895

NOV 18, 1980	-320.	JUN 04, 1981	-301.2	MAY 12, 1982	-296.86	JUN 15, 1982	-286.35
MAR 31, 1981	-296.8	JUL 06	-303.8	19	-294.18	23	-284.75
APR 23	-325.1	NOV 02	-307.6	26	-291.72	30	-283.84
MAY 07	-325.6	MAY 05, 1982	-298.79	JUN 09	-287.78	JUL 15	-285.33

Table 2.--Water levels in selected wells--Continued

(D- 5- 1) 1CDC- 1 ALT. 4765

MAR 31, 1981	-154.43	AUG 10, 1981	-159.	NOV 02, 1981	-159.	MAR 06, 1982	-159.
APR 23	-164.0	SEP 11	-158.	11	-159.	22	-160.
MAY 07	-165.25	29	-156.	DEC 08	-158.		

(D- 5- 1) 2ABB- 1 ALT. 4835

MAY 06, 1947	-13.90	MAR 14, 1967	-13.56	MAR 01, 1973	-13.43	MAR 14, 1979	-12.54
APR 05, 1963	-14.34	MAR 11, 1968	-13.25	SEP 05	-10.59	SEP 17	-10.87
MAR 30, 1964	-14.20	SEP 20	-10.49	MAR 05, 1974	-11.16	MAR 03, 1980	-11.78
DEC 09	-13.62	MAR 05, 1969	-12.85	MAR 04, 1975	-12.20	SEP 04	-10.00
MAR 19, 1965	-13.56	SEP 04	-10.16	AUG 18	-9.25	MAR 06, 1981	-13.67
AUG 25	-9.61	MAR 12, 1970	-13.26	MAR 03, 1976	-11.37	AUG 27	-11.14
OCT 13	-11.53	SEP 04	-10.68	AUG 11	-10.07	MAR 08, 1982	-12.34
DEC 14	-12.89	MAR 16, 1971	-13.44	MAR 04, 1977	-13.11	22	-12.5
MAR 09, 1966	-13.32	OCT 05	-11.97	AUG 08	-10.98	MAY 18	-10.80
SEP 08	-11.59	MAR 03, 1972	-13.73	MAR 07, 1978	-13.50	JUN 29	-8.72
DEC 14	-13.33	SEP 22	-11.49	AUG 22	-10.00	SEP 20	-10.60

(D- 5- 1) 3BDA- 2 ALT. 4792

MAY 06, 1947	-35.5	JUL 02, 1958	-29.04	DEC 14, 1966	-30.47	MAR 03, 1976	-30.24
NOV 06, 1957	-27.64	AUG 04	-27.05	MAR 14, 1967	-34.75	MAR 04, 1977	-32.86
26	-28.90	29	-26.24	MAR 11, 1968	-33.15	MAR 07, 1978	-37.83
DEC 23	-29.36	SEP 30	-26.75	MAR 05, 1969	-32.66	MAR 14, 1979	-30.94
JAN 25, 1958	-31.25	OCT 30	-27.12	MAR 12, 1970	-33.10	MAR 03, 1980	-29.8
FEB 07	-32.51	MAR 19, 1963	-33.58	MAR 16, 1971	-34.22	MAR 06, 1981	-31.16
MAR 20	-34.46	MAR 30, 1964	-36.25	MAR 03, 1972	-33.28	MAR 08, 1982	-32.68
APR 24	-35.45	MAR 12, 1965	-33.10	MAR 01, 1973	-33.07		
MAY 15	-36.35	MAR 09, 1966	-32.49	MAR 05, 1974	-31.63		
JUN 12	-32.51	SEP 08	-26.10	MAR 04, 1975	-33.02		

(D- 5- 1) 4BCC- 1 ALT. 4680

JAN 03, 1957	-87.68	JUL 25, 1957	-90.73	NOV 08, 1957	-88.40	MAR 25, 1981	-82.98
MAR 06	-90.13	AUG 27	-90.82	18	-87.96		
APR 01	-90.20	SEP 16	-89.91	DEC 23	-86.85		
JUN 21	-90.61	OCT 30	-88.98	APR 21, 1958	-86.84		

(D- 5- 1) 5CBC- 1 ALT. 4566

DEC 11, 1980	-14.84	MAR 13, 1981	-15.32	MAR 08, 1982	-20.23	APR 13, 1982	-19.34

(D- 5- 1) 6BCD- 1 ALT. 4537

MAY 09, 1981	-1.0	OCT 13, 1981	-2.9	JAN 19, 1982	-0.57	APR 14, 1982	-0.4
AUG 24	-5.2	30	0.0	MAR 06	-0.47	MAY 02	-0.83
SEP 10	-4.7	NOV 11	-1.8	22	-0.33	26	-0.29
29	-3.75	DEC 08	-1.06	APR 13	-0.41	JUN 29	-0.69

(D- 5- 1) 6DAA- 1 ALT. 4565

MAR 18, 1958	-12.80	MAY 08, 1958	-15.45	APR 03, 1964	-24.75	MAR 17, 1965	-22.25
APR 16	-12.78	MAR 19, 1963	-22.73				

(D- 5- 1) 8AAA- 3 ALT. 4600

JAN 04, 1957	-16.96	NOV 08, 1957	-14.66	MAR 14, 1966	-9.90	MAR 03, 1977	-14.14
07	-17.06	18	-14.36	18	-9.74	MAR 07, 1978	-27.65
08	-16.86	26	-14.36	MAR 15, 1967	-19.22	MAR 13, 1979	-10.43
09	-20.30	DEC 23	-13.17	MAR 11, 1968	-10.39	MAR 03, 1980	-13.67
MAR 06	-18.68	JAN 28, 1958	-13.15	MAR 05, 1969	-4.82	AUG 27	-10.42
APR 01	-18.75	FEB 27	-13.14	MAR 12, 1970	-2.22	MAR 06, 1981	-6.00
JUN 21	-16.80	MAR 25	-13.10	MAR 16, 1971	-7.34	AUG 27	-17.73
JUL 25	-16.87	APR 21	-12.99	MAR 09, 1972	-7.34	MAR 08, 1982	-12.43
AUG 27	-16.93	MAY 27	-12.96	MAR 07, 1973	-11.81	APR 13	-10.88
SEP 16	-16.86	MAR 19, 1963	-39.54	MAR 05, 1974	-7.46		
OCT 18	-15.53	MAR 30, 1964	-40.07	MAR 04, 1975	-13.78		
30	-15.01	MAR 17, 1965	-21.10	MAR 03, 1976	-3.26		

Table 2.--Water levels in selected wells--Continued

(D- 5- 1) 8CCB- 1 ALT. 4536

DEC 11, 1980	+2.95	MAR 13, 1981	+2.35	MAR 01, 1982	+0.5	APR 13, 1982	+1.51

(D- 5- 1) 8DAA- 1 ALT. 4575

JAN 10, 1958	+5.7	MAR 13, 1981	+14.5	MAR 09, 1982	+7.4	APR 13, 1982	+9.75

(D- 5- 1) 8DCC- 1 ALT. 4552

DEC 22, 1936	-11.15	MAY 15, 1967	-19.60	APR 15, 1972	-4.34	FEB 15, 1977	-9.10
APR 01, 1958	-10.52	JUN 15	-15.59	MAY 15	-12.30	MAR 15	-8.67
MAR 05, 1962	-17.59	JUL 15	-16.97	JUN 15	-15.72	APR 15	-10.10
DEC 04	-16.47	AUG 15	-16.65	JUL 15	-21.63	MAY 15	-22.01
JAN 15, 1963	-15.39	SEP 15	-22.26	AUG 15	-24.13	JUN 15	-25.18
FEB 15	-14.89	OCT 15	-16.66	SEP 15	-22.00	JUL 15	-32.83
MAR 15	-14.24	NOV 15	-11.62	OCT 15	-13.70	AUG 15	-32.53
APR 15	-14.58	DEC 15	-9.03	NOV 15	-9.63	SEP 15	-24.17
MAY 15	-17.48	JAN 15, 1968	-8.27	DEC 15	-7.97	OCT 15	-20.25
JUN 15	-31.05	FEB 15	-7.60	JAN 15, 1973	-7.27	NOV 15	-17.04
JUL 15	-32.27	MAR 15	-7.25	FEB 15	-6.31	DEC 15	-15.88
AUG 15	-34.70	APR 15	-7.40	MAR 15	-5.42	JAN 15, 1978	-15.28
28	-35.18	MAY 15	-11.14	APR 15	-5.47	FEB 15	-14.95
SEP 15	-33.68	JUN 15	-11.67	MAY 15	-10.52	MAR 15	-14.17
OCT 15	-22.53	JUL 15	-16.56	JUN 15	-11.90	APR 15	-13.37
NOV 15	-17.70	AUG 15	-14.80	JUL 15	-15.45	MAY 15	-15.72
DEC 15	-16.52	SEP 15	-13.24	AUG 15	-17.42	JUN 15	-20.12
JAN 15, 1964	-15.80	OCT 15	-9.95	SEP 05	-17.83	JUL 15	-21.15
FEB 15	-15.24	NOV 15	-6.25	15	-14.55	AUG 15	-18.77
MAR 15	-14.93	DEC 15	-5.02	OCT 15	-8.86	SEP 15	-19.12
APR 15	-14.61	JAN 15, 1969	-4.40	NOV 15	-5.84	OCT 15	-14.19
MAY 15	-12.60	FEB 15	-4.02	DEC 15	-4.54	NOV 15	-10.94
JUL 15	-21.28	MAR 15	-3.88	JAN 15, 1974	-4.18	DEC 15	-9.47
AUG 15	-22.89	APR 15	-4.05	FEB 15	-4.36	JAN 15, 1979	-9.11
SEP 30	-23.57	MAY 31	-12.82	MAR 15	-3.92	FEB 15	-8.46
OCT 15	-20.01	JUN 15	-14.04	APR 15	-3.67	MAR 15	-7.82
NOV 15	-15.38	JUL 15	-11.90	MAY 15	-9.30	APR 15	-7.18
DEC 09	-13.57	AUG 15	-13.60	JUN 15	-15.02	MAY 15	-11.57
15	-13.21	SEP 15	-12.25	JUL 15	-21.83	JUN 15	-18.19
JAN 15, 1965	-12.78	OCT 15	-7.83	AUG 15	-23.58	JUL 15	-19.49
FEB 15	-12.34	NOV 10	-3.85	SEP 15	-22.58	AUG 15	-19.90
MAR 19	-12.02	JAN 15, 1970	-2.15	OCT 15	-15.86	SEP 15	-20.05
APR 15	-11.39	FEB 15	-1.72	NOV 15	-10.60	OCT 15	-16.21
MAY 15	-17.02	MAR 15	-2.03	DEC 15	-8.75	NOV 15	-11.71
JUN 15	-15.39	APR 15	-3.98	JAN 15, 1975	-8.33	DEC 15	-10.40
JUL 15	-18.59	MAY 15	-4.84	FEB 15	-7.61	JAN 15, 1980	-9.69
AUG 15	-17.41	JUN 15	-7.57	MAR 15	-6.79	FEB 15	-9.35
25	-15.09	JUL 15	-13.96	APR 15	-6.47	MAR 15	-8.86
SEP 15	-14.62	AUG 15	-20.80	MAY 15	-9.68	APR 15	-8.91
OCT 15	-12.56	SEP 15	-12.64	JUN 15	-12.92	MAY 15	-9.29
NOV 15	-10.82	OCT 15	-10.53	JUL 15	-14.06	JUN 15	-14.91
DEC 13	-12.77	NOV 15	-6.12	AUG 15	-14.42	JUL 15	-15.12
15	-8.16	DEC 15	-4.46	SEP 15	-11.97	AUG 15	-15.90
JAN 15, 1966	-7.64	JAN 15, 1971	-4.29	OCT 15	-6.67	SEP 15	-10.39
FEB 15	-7.34	FEB 15	-3.77	NOV 15	-4.06	OCT 15	-9.15
MAR 15	-7.15	MAR 15	-3.78	DEC 15	-2.92	NOV 15	-6.20
APR 15	-9.66	APR 15	-7.75	JAN 15, 1976	-2.86	DEC 15	-5.75
MAY 15	-17.25	MAY 15	-7.57	FEB 15	-2.61	JAN 15, 1981	-5.40
JUN 15	-22.45	JUN 15	-13.58	MAR 15	-2.58	FEB 15	-5.60
JUL 15	-24.52	JUL 15	-18.70	APR 15	-3.33	MAR 15	-6.00
AUG 15	-26.76	AUG 15	-19.50	MAY 15	-9.78	25	-5.88
SEP 15	-25.94	SEP 15	-15.25	JUN 15	-15.88	APR 15	-6.50
OCT 15	-18.80	OCT 05	-12.51	JUL 15	-22.67	MAY 15	-10.11
NOV 15	-14.33	15	-11.05	AUG 15	-23.25	JUN 15	-11.79
DEC 15	-12.45	NOV 15	-7.05	SEP 15	-20.88	JUL 15	-16.70
JAN 15, 1967	-11.80	DEC 15	-4.95	OCT 15	-14.20	AUG 15	-17.92
FEB 15	-11.42	JAN 15, 1972	-4.31	NOV 15	-11.12	SEP 15	-14.68
MAR 15	-11.29	FEB 15	-3.74	DEC 15	-9.84	MAR 8, 1982	-8.5
APR 15	-11.56	MAR 15	-4.02	JAN 15, 1977	-9.32	APR 13, 1982	-8.03

(D- 5- 1) 8DDD- 1 ALT. 4567

APR 09, 1947	+16.2	MAR 29, 1966	+9.1	MAR 15, 1971	+14.3	MAR 13, 1981	+13.7
SEP 06, 1956	+3.64	MAR 23, 1967	+3.0	MAR 03, 1972	+14.6	MAR 01, 1982	+8.2
MAR 18, 1963	+0.19	MAR 12, 1968	+8.8	MAR 01, 1973	+10.6	APR 13	+9.7
MAR 30, 1964	-1.0	MAR 04, 1969	+17.6	MAR 04, 1974	+12.1		
MAR 19, 1965	+2.8	MAR 12, 1970	+19.3	MAR 04, 1975	+7.3		

Table 2.--Water levels in selected wells--Continued

(D- 5- 1) 9DBB- 1 ALT. 4587

JUL 30, 1935	-27.6	APR 12, 1939	-11.45	DEC 28, 1943	-14.17	APR 22, 1953	-8.47
AUG 23	-14.51	JUN 20	-19.59	JAN 07, 1944	-13.01	DEC 01	-11.44
30	-26.98	JUL 25	-17.58	FEB 01	-13.69	APR 12, 1955	-17.81
SEP 13	-27.41	OCT 12	-14.87	MAR 06	-11.81	DEC 22	-18.88
OCT 07	-25.97	JAN 05, 1940	-12.42	APR 03	-13.89	MAR 28, 1956	-18.89
DEC 03	-21.25	FEB 28	-14.42	MAY 08	-13.63	DEC 13	-18.90
JAN 02, 1936	-19.60	APR 12	-15.27	JUN 05	-12.83	APR 03, 1957	-18.78
MAR 02	-16.95	MAY 01	-16.20	JUL 03	-12.38	DEC 23	-18.11
MAY 02	-21.39	JUN 18	-20.44	AUG 07	-16.16	APR 17, 1958	-18.30
JUN 21	-20.98	JAN 20, 1941	-17.43	SEP 05	-16.90	DEC 23	-17.75
JUL 18	-20.92	MAR 17	-17.58	OCT 02	-16.27	APR 06, 1959	-18.10
AUG 09	-20.45	NOV 26	-12.31	NOV 06	-14.25	DEC 30	-20.74
SEP 02	-19.63	DEC 31	-11.71	DEC 28	-11.21	APR 20, 1960	-21.12
OCT 03	-18.84	FEB 18, 1942	-11.87	MAR 29, 1945	-11.32	DEC 07	-22.34
DEC 01	-11.94	MAR 28	-11.65	DEC 18	-7.44	MAR 23, 1961	-21.07
FEB 03, 1937	-16.00	JUN 26	-16.25	MAR 06, 1946	-7.53	DEC 20	-29.24
MAR 02	-13.93	NOV 04	-10.10	DEC 16	-10.98	MAR 05, 1962	-29.48
APR 14	-14.24	DEC 01	-10.30	APR 08, 1947	-10.92	DEC 04	-23.59
JUN 11	-15.63	JAN 01, 1943	-9.96	MAY 05	-12.50	MAR 08, 1963	-21.44
JUL 31	-15.30	FEB 08	-10.40	DEC 17	-10.04	AUG 28	-31.27
SEP 23	-15.55	MAR 02	-10.32	MAR 29, 1948	-11.08	DEC 06	-23.72
NOV 01	-10.95	APR 07	-11.12	DEC 22	-11.96	MAR 09, 1964	-21.69
DEC 24	-9.38	MAY 08	-12.18	MAR 15, 1949	-11.51	MAR 24, 1965	-17.84
FEB 14, 1938	-9.56	JUN 08	-16.02	MAR 22, 1950	-11.47	MAR 28, 1981	-12.00
APR 05	-9.50	JUL 05	-14.90	DEC 19	-11.19	MAR 10, 1982	-16.07
MAY 05	-12.77	AUG 04	-15.38	MAR 30, 1951	-11.50	APR 13	-15.42
JUN 01	-13.60	SEP 07	-15.88	DEC 20	-11.97		
JAN 06, 1939	-7.20	OCT 04	-15.78	APR 08, 1952	-12.05		
FEB 20	-7.86	NOV 10	-11.96	DEC 11	-7.14		

(D- 5- 1) 9DCC- 6 ALT. 4555

MAR 19, 1965	+16.0	MAR 05, 1969	+28.7	MAR 04, 1975	+20.7	MAR 03, 1980	+20.67
MAR 29, 1966	+24.1	MAR 12, 1970	+31.2	MAR 02, 1976	+28.8	MAR 09, 1981	+26.2
SEP 09	+7.0	MAR 15, 1971	+27.0	MAR 03, 1977	+21.05	OCT 23	+18.4
DEC 15	+15.3	MAR 02, 1972	+27.4	MAR 06, 1978	+9.8	MAR 08, 1982	+21.7
MAR 14, 1967	+16.2	MAR 12, 1973	+24.4	MAR 13, 1979	+23.8		
MAR 12, 1968	+23.5	MAR 05, 1974	+26.75	FEB 14, 1980	+20.6		

(D- 5- 1)10BDD- 1 ALT. 4675

MAY 07, 1958	-17.47	MAR 19, 1963	-16.58	DEC 09, 1980	-6.5	MAR 25, 1981	-8.60

(D- 5- 1)10BDD- 2 ALT. 4670

MAR 18, 1963	-7.25	DEC 09, 1980	-6.25	MAR 25, 1981	-6.58	MAR 08, 1982	-7.19

(D- 5- 1)11BDD- 1 ALT. 4745

MAR 20, 1963	-20.46	MAR 14, 1967	-19.65	MAR 01, 1973	-18.32	MAR 15, 1979	-18.58
MAR 30, 1964	-19.60	MAR 12, 1968	-19.03	MAR 05, 1974	-17.89	MAR 03, 1980	-18.32
MAR 12, 1965	-18.64	MAR 05, 1969	-17.67	MAR 05, 1975	-18.53	MAR 06, 1981	-18.73
MAR 09, 1966	-22.97	MAR 13, 1970	-17.85	MAR 04, 1976	-18.59	MAR 08, 1982	-18.74
SEP 08	-12.95	MAR 16, 1971	-18.46	MAR 04, 1977	-18.87		
DEC 14	-17.05	MAR 03, 1972	-18.36	MAR 07, 1978	-19.10		

(D- 5- 1)13AAA- 1 ALT. 4700

MAY 15, 1958	-10.33	DEC 14, 1966	-8.13	MAR 03, 1972	-9.26	MAR 07, 1978	-9.50
MAR 20, 1963	-10.37	MAR 14, 1967	-9.78	MAR 01, 1973	-9.78	MAR 15, 1979	-6.03
MAR 30, 1964	-10.02	MAR 11, 1968	-8.65	MAR 05, 1974	-9.77	MAR 03, 1980	-9.46
MAR 12, 1965	-9.94	MAR 05, 1969	-9.06	MAR 05, 1975	-9.99	17	-9.88
MAR 09, 1966	-9.17	MAR 13, 1970	-9.30	MAR 03, 1976	-9.83	MAR 06, 1981	-9.99
SEP 08	-9.04	MAR 16, 1971	-9.50	MAR 04, 1977	-9.84	MAR 02, 1982	-10.18

(D- 5- 1)13DAA- 1 ALT. 4632

APR 23, 1947	-23.46	MAR 09, 1966	-28.97	MAR 16, 1971	-26.71	MAR 07, 1978	-33.62
SEP 05, 1957	-25.24	SEP 08	-24.26	MAR 03, 1972	-31.38	MAR 15, 1979	-30.74
MAY 15, 1958	-22.24	DEC 14	-27.03	MAR 01, 1973	-31.50	MAR 03, 1980	-27.35
APR 05, 1963	-30.92	MAR 14, 1967	-28.39	MAR 05, 1974	-29.63	MAR 06, 1981	-30.26
MAR 30, 1964	-28.57	MAR 11, 1968	-31.33	MAR 05, 1975	-34.13	MAR 02, 1982	-30.16
JUL 29	-22.32	MAR 05, 1969	-25.29	MAR 04, 1976	-31.61	SEP 20	-22.60
MAR 12, 1965	-28.86	MAR 13, 1970	-26.59	MAR 04, 1977	-32.46		

Table 2.--Water levels in selected wells--Continued

(D- 5- 1)14ADB- 1 ALT. 4655

MAR 03, 1937	-63.54	APR 12, 1939	-57.16	MAR 25, 1944	-58.14	DEC 05, 1950	-54.02
APR 14	-63.65	JUN 20	-58.24	DEC 28	-55.76	MAR 30, 1951	-54.12
JUN 11	-58.88	JUL 25	-59.10	MAR 13, 1945	-56.46	NOV 07	-55.01
JUL 31	-56.34	AUG 26	-59.97	DEC 18	-50.92	DEC 11, 1952	-47.28
SEP 23	-57.06	OCT 12	-60.10	MAR 06, 1946	-51.64	SEP 27, 1953	-55.81
NOV 01	-57.02	JAN 05, 1940	-61.05	OCT 07	-52.99	DEC 01	-55.86
DEC 12	-57.82	FEB 28	-61.86	DEC 16	-52.20	MAR 03, 1954	-56.89
FEB 14, 1938	-58.00	MAY 02	-62.85	JAN 27, 1947	-51.91	APR 05	-58.74
APR 05	-58.22	JUN 18	-63.8	APR 08	-53.06	MAY 04	-60.3
MAY 05	-58.60	AUG 12	-64.53	DEC 17	-50.04	NOV 07, 1957	-96.7
JUN 01	-58.0	MAR 16, 1942	-58.44	MAR 29, 1948	-51.61	MAY 13, 1958	-96.7
AUG 24	-54.54	JUN 26	-53.42	DEC 22	-53.64	JUN 09	-91.4
OCT 28	-55.27	DEC 27	-55.28	MAR 17, 1949	-53.22	JUL 09	-91.0
DEC 23	-56.07	MAR 30, 1943	-55.91	DEC 15	-50.95	AUG 05	-90.37
FEB 20, 1939	-56.65	DEC 28	-59.08	MAR 22, 1950	-50.79	MAR 30, 1981	-87.91

(D- 5- 1)15ACB- 1 ALT. 4552

APR 18, 1947	+39.3	SEP 09, 1966	+23.3	MAR 15, 1971	+39.5	MAR 04, 1977	+32.65
MAR 18, 1963	+23.3	DEC 15	+28.3	MAR 03, 1972	+41.4	MAR 06, 1978	+20.1
MAR 30, 1964	+21.1	MAR 09, 1967	+27.8	MAR 01, 1973	+36.3	MAR 15, 1979	+37.5
APR 03	+22.8	MAR 11, 1968	+36.75	MAR 05, 1974	+39.15	MAR 03, 1980	+33.93
MAR 19, 1965	+27.7	MAR 05, 1969	+42.2	MAR 04, 1975	+33.0	MAR 06, 1981	+40.7
MAR 29, 1966	+37.2	MAR 12, 1970	+43.1	MAR 03, 1976	+48.5	MAR 06, 1982	+34.3

(D- 5- 1)16ABB- 1 ALT. 4548

JAN 08, 1958	+38.3	MAY 21, 1958	+35.6	MAR 19, 1981	+37.2	APR 13, 1982	+31.2
MAR 13	+38.3	AUG 05	+36.1	MAR 09, 1982	+31.8		

(D- 5- 1)16ACD- 3 ALT. 4537

JUL 31, 1956	+27.0	SEP 09, 1966	+21.6	MAR 15, 1971	+47.3	MAR 06, 1978	+28.2
MAR 14, 1963	+30.6	DEC 15	+32.1	MAR 10, 1972	+47.5	MAR 06, 1980	+38.23
MAR 31, 1964	+29.3	MAR 09, 1967	+34.0	MAR 06, 1974	+46.65	MAR 06, 1982	+41.1
APR 03	+29.8	MAR 11, 1968	+43.0	MAR 04, 1975	+40.5		
MAR 19, 1965	+34.0	MAR 05, 1969	+49.5	MAR 02, 1976	+50.7		
MAR 29, 1966	+43.1	MAR 12, 1970	+52.35	MAR 11, 1977	+41.6		

(D- 5- 1)16BBB- 6 ALT. 4555

AUG 22, 1956	-2.56	JUL 21, 1957	-1.30	JUL 21, 1958	+2.31	MAR 04, 1969	+16.4
SEP 07	-2.78	AUG 20	-2.40	AUG 06	+1.96	MAR 12, 1970	+18.4
OCT 11	-0.85	SEP 21	-1.29	SEP 02	+2.43	MAR 15, 1971	+14.9
NOV 20	+3.40	NOV 05	+7.7	MAR 22, 1963	+2.6	MAR 03, 1972	+15.4
DEC 20	+5.9	DEC 27	+9.81	MAR 30, 1964	+1.5	MAR 01, 1973	+12.4
JAN 04, 1957	+6.2	JAN 28, 1958	+10.0	APR 03	+2.80	MAR 04, 1974	+14.75
FEB 20	+6.81	FEB 27	+10.6	MAR 12, 1965	+6.1	MAR 04, 1975	+8.6
MAR 20	+7.1	MAR 13	+10.8	MAR 28, 1966	+11.3	MAR 02, 1976	+17.0
APR 03	+7.56	APR 21	+8.1	DEC 15	+5.1	MAR 04, 1977	+8.9
MAY 20	+7.5	MAY 27	+5.3	MAR 08, 1967	+5.75	AUG 22, 1980	+5.75
JUN 20	+7.0	JUN 03	+2.67	MAR 12, 1968	+12.6	MAR 06, 1981	+13.9

(D- 5- 1)16CCB- 4 ALT. 4528

JUL 31, 1956	+27.5	MAR 12, 1968	+34.3	MAR 05, 1974	+37.7	MAR 04, 1980	+31.3
MAR 19, 1965	+29.9	MAR 05, 1969	+39.5	MAR 04, 1975	+32.6	MAR 06, 1981	+35.5
MAR 29, 1966	+34.9	MAR 12, 1970	+41.25	MAR 02, 1976	+39.6	OCT 23	+29.6
SEP 09	+13.7	MAR 15, 1971	+38.3	MAR 03, 1977	+32.5	MAR 06, 1982	+32.7
DEC 15	+28.2	MAR 03, 1972	+38.5	MAR 06, 1978	+23.8	JUN 18	+23.5
MAR 09, 1967	+28.6	MAR 01, 1973	+35.5	MAR 13, 1979	+33.3	SEP 09	+29.8

(D- 5- 1)17ACB- 5 ALT. 4546

SEP 12, 1935	-0.47	OCT 19, 1936	+7.85	MAR 12, 1968	+16.0	MAR 02, 1976	+21.9
OCT 23	+3.05	DEC 22	+12.2	MAR 04, 1969	+21.6	MAR 03, 1977	+14.6
NOV 09	+5.65	APR 08, 1947	+19.6	MAR 12, 1970	+23.3	MAR 06, 1978	+7.05
DEC 10	+8.1	MAR 14, 1963	+7.8	MAR 15, 1971	+20.6	MAR 21, 1979	+16.9
JUL 18, 1936	+3.37	APR 02, 1964	+7.5	MAR 03, 1972	+20.8	MAR 04, 1980	+14.1
AUG 09	+4.85	MAR 19, 1965	+11.7	MAR 01, 1973	+18.0	MAR 06, 1981	+18.2
SEP 15	+4.31	MAR 28, 1966	+16.5	MAR 04, 1974	+20.3	OCT 23	+12.6
30	+6.22	MAR 08, 1967	+11.1	MAR 05, 1975	+15.1		

(D- 5- 1)17ADC-12 ALT. 4543

SEP 14, 1935	+15.2	AUG 26, 1939	+23.2	DEC 28, 1943	+31.4	APR 12, 1955	+27.3
OCT 23	+17.3	OCT 12	+30.0	JAN 11, 1944	+31.2	DEC 22	+25.0
NOV 09	+18.7	JAN 05, 1940	+31.6	19	+30.9	MAR 28, 1956	+25.5
DEC 10	+20.0	APR 12	+31.0	26	+30.9	DEC 13	+26.1
JAN 02 1936	+21.0	MAY 01	+29.7	FEB 02	+30.7	FEB 27, 1957	+26.2
MAR 02	+22.2	JUN 18	+19.0	08	+30.9	MAR 03	+26.1
MAY 02	+21.4	JAN 20, 1941	+27.8	16	+30.6	DEC 23	+27.3
JUN 21	+20.2	MAR 17	+27.9	22	+31.2	APR 04, 1958	+28.4
JUL 21	+19.3	DEC 31	+35.2	29	+31.8	DEC 23	+28.9
AUG 09	+22.8	MAR 28, 1942	+33.8	MAR 07	+32.6	APR 06, 1959	+27.7
SEP 02	+23.2	JUN 28	+28.9	15	+32.7	DEC 30	+25.3
03	+22.1	NOV 04	+33.8	21	+32.4	APR 20, 1960	+24.8
05	+22.0	10	+34.0	30	+32.3	DEC 07	+18.3
07	+22.2	18	+34.2	APR 04	+32.2	MAR 22, 1961	+18.5
10	+22.8	24	+33.9	10	+31.9	DEC 20	+10.4
12	+23.4	DEC 01	+33.5	17	+32.1	MAR 05, 1962	+11.4
13	+23.6	07	+34.2	24	+31.9	DEC 04	+15.1
14	+23.6	14	+34.2	29	+31.8	MAR 08, 1963	+18.0
15	+23.2	21	+34.4	MAY 06	+31.8	14	+17.4
16	+23.3	JAN 01, 1943	+34.5	13	+31.4	DEC 06	+15.3
17	+23.4	08	+34.7	JUN 06	+31.9	MAR 09, 1964	+17.7
19	+24.6	16	+34.8	13	+31.5	APR 02	+16.4
21	+24.8	23	+34.8	19	+33.0	DEC 09	+19.8
24	+24.4	30	+34.6	26	+31.3	MAR 19, 1965	+22.7
26	+24.2	FEB 08	+34.5	JUL 04	+31.4	AUG 25	+18.8
28	+24.6	15	+35.2	11	+29.7	OCT 13	+20.0
30	+23.4	24	+35.6	17	+27.2	DEC 14	+28.9
OCT 03	+24.8	MAR 02	+35.4	25	+26.9	MAR 22, 1966	+34.7
19	+23.6	08	+35.6	31	+26.3	28	+30.2
DEC 01	+28.4	17	+35.2	AUG 08	+26.0	SEP 09	+4.30
22	+28.6	24	+35.2	15	+26.4	20	+6.8
FEB 03, 1937	+28.9	30	+35.6	22	+26.2	DEC 15	+20.9
MAR 02	+29.3	31	+34.8	29	+25.9	MAR 09, 1967	+20.9
APR 14	+29.8	APR 07	+34.8	SEP 04	+25.7	MAR 12, 1968	+28.2
JUN 11	+29.4	14	+34.1	12	+25.1	SEP 20	+16.4
JUL 31	+29.2	22	+33.6	19	+26.6	MAR 04, 1969	+36.1
SEP 23	+27.5	29	+32.8	26	+28.2	SEP 04	+17.0
NOV 01	+32.3	MAY 06	+33.2	OCT 03	+29.4	MAR 12, 1970	+38.0
DEC 24	+33.4	13	+32.9	10	+28.7	SEP 04	+9.0
FEB 14, 1938	+33.7	31	+26.6	17	+29.8	MAR 15, 1971	+32.7
APR 05	+34.4	JUN 08	+26.0	24	+30.0	OCT 05	+18.1
MAY 05	+33.8	14	+29.7	31	+30.9	MAR 03, 1972	+33.7
11	+33.3	21	+28.4	NOV 07	+31.4	SEP 22	+10.8
13	+32.8	29	+26.4	14	+32.2	MAR 12, 1973	+30.9
16	+32.7	JUL 05	+27.2	21	+33.0	SEP 05	+14.1
JUN 01	+30.9	13	+28.5	29	+33.4	MAR 04, 1974	+33.25
16	+29.6	22	+28.4	DEC 28	+32.7	MAR 04, 1975	+25.2
28	+29.1	AUG 05	+28.0	MAR 29, 1945	+32.5	AUG 18	+19.3
JUL 12	+28.7	10	+27.8	DEC 18	+37.5	MAR 02, 1976	+34.3
28	+31.4	17	+28.3	MAR 06, 1946	+37.6	AUG 11	+9.9
AUG 05	+28.4	25	+27.7	DEC 16	+36.1	MAR 03, 1977	+25.9
24	+28.4	SEP 02	+26.9	APR 08, 1947	+35.6	MAR 06, 1978	+16.0
SEP 12	+29.5	09	+26.6	MAY 05	+35.2	AUG 22	+13.4
27	+31.2	16	+26.4	DEC 17	+37.6	MAR 13, 1979	+30.3
OCT 10	+31.6	21	+28.6	MAR 29, 1948	+36.9	SEP 18	+10.9
28	+33.9	29	+28.4	MAR 15, 1949	+35.1	MAR 04, 1980	+27.2
NOV 17	+34.5	OCT 05	+28.9	DEC 15	+35.9	SEP 05	+21.6
DEC 23	+35.0	13	+28.9	MAR 22, 1950	+39.9	MAR 06, 1981	+30.4
JAN 13, 1939	+35.6	19	+29.4	DEC 05	+36.2	AUG 27	+11.3
FEB 20	+35.8	26	+30.2	APR 03, 1951	+35.6	MAR 06, 1982	+26.6
APR 12	+34.6	NOV 03	+31.3	DEC 20	+32.6	APR 13	+26.0
MAY 11	+29.2	09	+31.2	APR 09, 1952	+32.8	SEP 16	+28.3
JUN 20	+27.0	16	+31.9	DEC 11	+36.2		
JUL 25	+23.6	23	+32.9	APR 22, 1953	+38.8		
AUG 16	+24.2	30	+33.9	DEC 01	+33.7		

(D- 5- 1)18ACB- 1 ALT. 4518

SEP 13, 1934	+1.2	DEC 15, 1966	+13.1	MAR 12, 1973	+19.8	MAR 06, 1980	+15.0
OCT 05	+5.0	MAR 09, 1967	+14.35	MAR 04, 1974	+19.8	MAR 09, 1981	+17.9
SEP 11, 1935	+3.47	MAR 11, 1968	+17.1	MAR 04, 1975	+16.8	OCT 22	+12.4
SEP 11, 1936	+7.25	MAR 04, 1969	+20.8	MAR 02, 1976	+20.3	MAR 06, 1982	+16.7
MAR 13, 1963	+12.0	MAR 12, 1970	+22.5	MAR 03, 1977	+16.7		
MAR 31, 1964	+11.5	MAR 15, 1971	+20.3	MAR 06, 1978	+12.8		
MAR 18, 1965	+14.6	MAR 08, 1972	+20.6	MAR 13, 1979	+17.6		

Table 2.--Water levels in selected wells--Continued

(D- 5- 1)18CAB- 2 ALT. 4511

APR 09, 1957	+24.96	MAR 22, 1966	+20.5	MAR 04, 1974	+20.3	MAR 06, 1980	+18.6
OCT 30	+21.76	DEC 15	+16.4	MAR 04, 1975	+18.8	AUG 21	+7.7
NOV 27	+25.96	MAR 09, 1967	+14.1	MAR 02, 1976	+21.4	MAR 06, 1981	+20.6
DEC 01	+27.36	MAR 11, 1968	+19.2	AUG 11	+2.70	AUG 25	+6.15
JAN 01, 1958	+27.76	MAR 04, 1969	+22.6	MAR 03, 1977	+18.6	MAR 06, 1982	+18.1
FEB 01	+28.16	MAR 12, 1970	+23.8	MAR 06, 1978	+15.45	APR 13	+18.6
MAR 01	+28.46	MAR 15, 1971	+21.6	AUG 22	+4.90	SEP 16	+13.6
APR 17	+28.66	MAR 08, 1972	+22.4	MAR 13, 1979	+18.72		
MAR 18, 1965	+15.1	MAR 12, 1973	+21.6	SEP 17	+5.5		

(D- 5- 1)19BCB- 2 ALT. 4500

APR 24, 1958	+28.2	MAR 09, 1967	+23.45	MAR 05, 1974	+28.95	MAR 06, 1981	+29.5
MAR 15, 1963	+22.1	MAR 12, 1968	+25.9	MAR 04, 1975	+26.2	OCT 15	+14.8
APR 03, 1964	+21.4	MAR 04, 1969	+30.3	MAR 02, 1976	+29.65	MAR 06, 1982	+26.5
MAR 18, 1965	+24.1	MAR 12, 1970	+31.7	MAR 03, 1977	+24.9	JUN 17	+16.8
MAR 28, 1966	+23.0	MAR 16, 1971	+29.7	MAR 06, 1978	+23.4		
SEP 09	+7.0	MAR 08, 1972	+29.8	MAR 13, 1979	+26.1		
DEC 15	+21.6	MAR 05, 1973	+29.1	MAR 06, 1980	+26.14		

(D- 5- 1)19CCB- 1 ALT. 4493

OCT 08, 1980	+14.9	OCT 19, 1981	+17.4	MAR 06, 1982	+21.05	JUN 24, 1982	+12.7
MAR 09, 1981	+23.3						

(D- 5- 1)19CCC- 1 ALT. 4493

DEC 05, 1957	+17.8	DEC 15, 1966	+18.9	MAR 05, 1974	+22.7	SEP 17, 1979	+13.6
APR 17, 1958	+20.8	MAR 09, 1967	+20.4	MAR 04, 1975	+19.8	MAR 06, 1980	+21.22
MAY 21	+18.2	MAR 11, 1968	+21.95	MAR 02, 1976	+21.5	AUG 21	+14.1
AUG 06	+13.9	MAR 04, 1969	+23.7	AUG 11	+9.9	MAR 06, 1981	+23.3
MAR 22, 1963	+18.2	05	+23.2	MAR 03, 1977	+18.8	AUG 25	+8.7
MAR 18, 1964	+20.7	MAR 12, 1970	+23.95	11	+18.45	OCT 20	+15.1
31	+18.5	MAR 15, 1971	+22.1	AUG 09	+10.0	MAR 06, 1982	+21.7
APR 03	+18.5	MAR 08, 1972	+22.4	MAR 06, 1978	+18.95	SEP 16	+19.4
MAR 22, 1966	+20.5	MAR 05, 1973	+21.7	AUG 22	+10.4		
SEP 09	+11.9	07	+21.2	MAR 13, 1979	+20.2		

(D- 5- 1)19DAD- 2 ALT. 4498

OCT 14, 1981	+32.3	FEB 18, 1982	+34.8	JUN 17, 1982	+24.4	SEP 09, 1982	+27.1

(D- 5- 1)19DBD- 5 ALT. 4498

AUG 17, 1956	+5.0	OCT 19, 1981	+16.7	FEB 19, 1982	+20.3	JUN 17, 1982	+13.2

(D- 5- 1)20ABA- 1 ALT. 4522.1

SEP 25, 1935	+35.4	APR 12, 1940	+51.2	SEP 26, 1944	+47.9	AUG 15, 1952	+51.9
OCT 22	+36.9	MAY 01	+49.0	OCT 30	+48.6	SEP 15	+49.8
NOV 19	+39.8	JUN 18	+39.3	NOV 29	+51.1	OCT 15	+53.3
DEC 10	+40.8	JAN 20, 1941	+48.0	MAR 29, 1945	+51.5	NOV 15	+56.3
MAR 02, 1936	+42.4	MAR 17	+48.3	DEC 18	+56.5	DEC 15	+56.9
MAY 02	+42.3	JUN 26, 1942	+48.2	DEC 16, 1946	+51.0	JAN 15, 1953	+57.1
JUN 21	+39.3	OCT 14	+42.3	APR 08, 1947	+55.3	FEB 15	+57.5
JUL 18	+43.2	NOV 25	+51.0	MAY 05	+55.2	MAR 15	+57.1
AUG 09	+43.8	DEC 30	+52.0	MAR 05, 1948	+56.0	APR 15	+59.2
SEP 30	+40.2	JAN 25, 1943	+53.4	DEC 22	+53.5	MAY 15	+57.9
OCT 19	+40.1	FEB 22	+54.7	MAR 17, 1949	+54.4	JUN 10	+52.0
DEC 23	+48.5	MAR 23	+54.6	DEC 15	+54.9	JUL 10	+44.8
MAR 02, 1937	+48.5	APR 30	+52.8	MAR 22, 1950	+54.3	AUG 15	+45.0
APR 14	+49.3	MAY 31	+44.4	DEC 05	+55.2	SEP 05	+40.0
JUN 11	+49.5	JUN 30	+47.5	JUL 25, 1951	+41.2	OCT 15	+46.0
APR 24, 1938	+52.5	JUL 23	+46.6	AUG 15	+49.8	NOV 15	+51.0
JUN 01	+52.8	AUG 17	+46.1	SEP 15	+51.4	DEC 15	+52.0
AUG 24	+49.8	SEP 09	+46.6	OCT 15	+53.4	JAN 15, 1954	+51.4
OCT 28	+53.3	OCT 26	+49.8	NOV 15	+53.0	FEB 15	+51.2
DEC 24	+55.0	NOV 17	+50.5	DEC 15	+52.5	MAR 10	+51.0
FEB 20, 1939	+55.5	JAN 26, 1944	+50.8	JAN 15, 1952	+52.2	APR 10	+51.1
JUN 20	+47.5	FEB 29	+50.9	FEB 15	+51.0	MAY 10	+43.8
JUL 25	+41.7	MAR 30	+51.7	MAR 15	+51.0	JUN 15	+39.4
AUG 25	+40.2	APR 29	+51.9	APR 15	+51.7	JUL 31	+38.2
OCT 12	+49.5	MAY 22	+51.4	MAY 15	+50.0	AUG 10	+38.8
NOV 08	+50.5	JUN 26	+51.5	16	+49.5	SEP 30	+39.7
JAN 05, 1940	+51.1	JUL 31	+47.6	JUN 05	+49.7	OCT 15	+40.6
FEB 05	+51.1	AUG 29	+46.4	JUL 05	+47.4	NOV 15	+41.8

(D- 5- 1)20ABA- 1 -- CONTINUED

JAN 15, 1955	+47.0	FEB 15, 1962	+28.8	MAR 15, 1968	+47.4	JUL 31, 1975	+40.0
FEB 15	+46.5	MAR 15	+30.0	APR 15	+44.0	AUG 10	+41.0
MAR 15	+46.7	APR 15	+30.0	SEP 10	+35.5	SEP 15	+43.0
APR 15	+46.9	MAY 05	+28.5	OCT 15	+43.2	OCT 15	+47.0
MAY 15	+43.5	JUN 10	+25.5	NOV 15	+48.0	NOV 15	+55.5
JUN 15	+34.2	JUL 05	+24.5	DEC 15	+52.5	DEC 15	+55.6
AUG 15	+36.9	AUG 20	+22.7	JAN 15, 1969	+55.5	JAN 15, 1976	+54.5
SEP 15	+36.0	SEP 15	+22.0	FEB 15	+53.9	FEB 15	+57.0
OCT 15	+40.2	OCT 15	+25.9	MAR 04	+54.5	MAR 15	+54.5
NOV 15	+41.4	NOV 15	+28.6	15	+56.2	APR 15	+53.5
DEC 15	+42.5	DEC 15	+31.8	APR 15	+55.1	MAY 15	+46.5
JAN 15, 1956	+44.2	JAN 15, 1963	+35.5	SEP 10	+36.6	JUN 05	+37.5
FEB 15	+44.4	FEB 15	+36.0	OCT 15	+43.5	JUL 31	+30.0
MAR 15	+46.5	MAR 15	+38.0	NOV 15	+52.1	AUG 31	+28.5
30	+45.6	APR 15	+37.9	DEC 15	+56.9	SEP 15	+30.5
APR 15	+46.6	MAY 15	+34.9	JAN 20, 1970	+56.4	OCT 15	+34.0
MAY 15	+43.2	JUN 10	+19.9	FEB 15	+58.3	NOV 15	+40.5
AUG 15	+34.7	JUL 15	+17.48	MAR 12	+60.0	DEC 15	+45.0
SEP 15	+35.7	AUG 15	+17.5	15	+57.6	JAN 15, 1977	+46.0
OCT 15	+39.4	SEP 15	+21.0	APR 15	+54.9	FEB 15	+46.0
NOV 08	+42.1	OCT 15	+24.7	MAY 15	+51.2	MAR 15	+47.5
15	+44.1	NOV 15	+31.0	JUN 05	+40.9	APR 15	+43.5
DEC 15	+46.4	DEC 10	+31.9	JUL 15	+38.9	MAY 15	+30.5
JAN 15, 1957	+47.6	JAN 20, 1964	+32.6	AUG 20	+37.5	JUN 10	+32.5
FEB 15	+47.0	FEB 15	+34.7	SEP 15	+39.1	AUG 25	+19.0
MAR 15	+46.9	MAR 15	+34.8	OCT 20	+42.7	31	+22.0
APR 03	+46.4	30	+35.0	NOV 15	+47.4	SEP 25	+22.5
15	+44.2	APR 10	+34.9	FEB 05, 1971	+53.5	OCT 15	+26.5
MAY 15	+43.5	MAY 15	+36.5	MAR 15	+53.0	NOV 15	+31.5
JUN 05	+43.1	JUN 15	+32.5	APR 15	+49.0	DEC 15	+33.5
JUL 31	+32.6	AUG 15	+27.0	MAY 15	+48.5	JAN 15, 1978	+33.0
AUG 10	+36.0	SEP 15	+25.1	JUN 15	+37.5	FEB 15	+32.0
SEP 15	+38.9	OCT 15	+27.8	AUG 05	+29.0	MAR 15	+37.0
OCT 15	+43.8	NOV 13	+34.3	SEP 10	+34.0	APR 15	+38.0
NOV 15	+48.6	15	+33.8	OCT 20	+44.0	MAY 15	+36.0
DEC 15	+49.6	DEC 15	+40.0	NOV 15	+47.8	JUN 10	+35.5
JAN 05, 1958	+51.0	JAN 15, 1965	+40.9	JAN 10, 1972	+56.7	JUL 25	+26.0
FEB 10	+51.2	FEB 15	+42.3	FEB 15	+56.7	AUG 15	+31.0
MAR 15	+51.9	MAR 10	+45.8	MAR 20	+55.9	22	+36.0
APR 20	+51.5	18	+47.0	APR 15	+53.6	SEP 20	+33.0
MAY 20	+52.0	APR 15	+43.9	JUN 15	+35.9	OCT 20	+38.0
JUN 19	+40.9	MAY 05	+41.0	JUL 25	+26.0	NOV 15	+41.0
AUG 15	+38.5	JUN 25	+36.5	SEP 10	+29.5	DEC 15	+46.0
SEP 15	+39.5	JUL 20	+34.0	OCT 15	+35.3	JAN 15, 1979	+38.0
OCT 15	+42.5	AUG 10	+35.0	NOV 15	+39.0	FEB 15	+39.5
NOV 10	+46.5	SEP 15	+34.0	DEC 05	+44.8	MAR 15	+44.5
DEC 31	+52.5	OCT 15	+38.2	JAN 15, 1973	+49.3	APR 15	+45.0
JAN 15, 1959	+50.0	NOV 26	+44.1	FEB 20	+51.5	MAY 10	+42.5
FEB 15	+50.5	DEC 10	+44.0	MAR 15	+50.9	JUN 05	+33.0
MAR 15	+50.5	JAN 15, 1966	+46.8	APR 15	+51.5	JUL 25	+32.5
APR 15	+47.0	FEB 05	+51.0	MAY 10	+48.1	AUG 15	+33.5
MAY 15	+43.4	MAR 18	+49.4	JUN 15	+39.8	OCT 20	+35.5
NOV 15	+40.7	31	+51.0	JUL 20	+37.1	NOV 15	+40.0
DEC 15	+40.9	APR 15	+49.3	SEP 05	+34.2	DEC 15	+43.0
JAN 15, 1960	+40.8	MAY 10	+39.5	OCT 15	+44.0	JAN 15, 1980	+45.0
FEB 15	+40.9	JUN 16	+29.0	NOV 10	+45.8	FEB 15	+40.0
MAR 15	+41.3	AUG 25	+23.2	DEC 15	+53.2	MAR 12	+43.5
APR 15	+39.0	SEP 10	+25.9	JAN 15, 1974	+54.2	15	+43.0
MAY 15	+30.4	OCT 25	+30.4	FEB 15	+54.1	APR 15	+43.8
JUN 10	+23.5	NOV 20	+36.0	MAR 05	+55.0	MAY 15	+42.8
JUL 31	+16.6	DEC 15	+41.0	APR 15	+54.5	JUL 15	+38.5
AUG 15	+16.7	JAN 15, 1967	+39.5	MAY 10	+44.8	AUG 31	+41.0
SEP 20	+19.2	FEB 10	+42.6	JUN 15	+37.0	SEP 15	+45.9
OCT 15	+22.8	MAR 15	+42.1	SEP 10	+28.0	OCT 15	+42.5
NOV 10	+27.0	APR 15	+42.6	OCT 15	+33.0	NOV 15	+49.0
MAR 15, 1961	+38.5	MAY 15	+31.8	NOV 15	+41.0	DEC 15	+50.5
APR 15	+30.3	JUN 15	+32.0	DEC 15	+48.0	JAN 15, 1981	+50.5
MAY 15	+23.5	JUL 25	+33.0	JAN 25, 1975	+46.0	FEB 15	+51.0
SEP 20	+12.6	AUG 25	+30.0	FEB 15	+50.4	MAR 06	+50.0
OCT 20	+26.0	SEP 15	+30.0	MAR 15	+50.0	15	+50.0
NOV 15	+26.9	OCT 15	+33.8	APR 15	+50.5	APR 15	+48.0
DEC 15	+28.3	NOV 15	+38.2	MAY 15	+46.0	MAY 15	+43.5
JAN 15, 1962	+30.3	MAR 12, 1968	+47.5	JUN 15	+41.5	SEP 16, 1982	+43.9

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SEP 25, 1935	+9.55	DEC 10, 1935	+23.75	APR 15, 1936	+23.9	AUG 18, 1936	+18.05
OCT 15	+12.2	15	+23.7	MAY 15	+13.7	SEP 15	+14.0
22	+15.7	JAN 15, 1936	+23.6	JUN 15	+16.8	OCT 15	+17.5
NOV 08	+19.7	FEB 15	+23.7	JUL 15	+13.8	19	+18.3
15	+20.7	MAR 15	+23.6	AUG 15	+17.1	NOV 15	+23.3

(D- 5- 1)20ABA- 2 -- CONTINUED

DEC 15, 1936	+25.6	MAY 05, 1947	+30.7	FEB 20, 1958	+31.6	NOV 15, 1969	+37.8
JAN 15, 1937	+25.9	20	+34.0	MAR 15	+32.1	JAN 20, 1970	+37.5
FEB 15	+27.0	JUN 15	+25.8	APR 20	+30.5	FEB 15	+37.4
MAR 15	+28.2	JUL 15	+20.5	MAY 20	+22.5	MAR 15	+37.2
APR 15	+28.7	AUG 15	+24.5	JUN 20	+19.9	APR 15	+34.1
MAY 15	+18.2	SEP 15	+20.9	JUL 10	+15.8	MAY 15	+32.3
JUN 15	+20.6	OCT 15	+28.3	AUG 15	+20.4	JUN 15	+26.0
JUL 15	+16.3	NOV 15	+32.3	SEP 15	+22.6	JUL 15	+18.6
AUG 15	+13.4	DEC 15	+35.6	OCT 15	+22.8	AUG 20	+14.8
SEP 15	+15.5	JAN 15, 1948	+35.4	NOV 05	+27.0	SEP 15	+21.7
OCT 15	+22.4	FEB 10	+35.4	DEC 31	+29.9	OCT 15	+24.8
27	+25.7	MAR 05	+36.0	FEB 15, 1959	+28.5	NOV 15	+30.7
NOV 15	+25.0	15	+36.0	MAR 25	+28.5	DEC 10	+32.5
DEC 15	+31.2	APR 15	+36.0	APR 10	+25.6	JAN 31, 1971	+34.5
JAN 05, 1938	+31.7	MAY 15	+25.5	MAY 15	+17.8	FEB 15	+34.8
31	+33.85	JUN 15	+21.6	JUN 05	+12.7	MAR 15	+34.9
FEB 15	+33.6	JUL 15	+16.0	JUL 15	+8.3	APR 05	+32.5
MAR 15	+34.5	AUG 31	+15.4	AUG 15	+7.6	30	+33.7
APR 15	+34.0	SEP 07	+15.3	SEP 15	+9.9	MAY 15	+28.7
24	+31.2	15	+15.1	OCT 15	+15.9	JUN 15	+20.5
MAY 15	+27.5	OCT 15	+23.7	NOV 05	+19.1	JUL 15	+16.7
JUN 01	+23.8	NOV 15	+28.2	DEC 15	+21.4	AUG 15	+14.2
15	+20.6	DEC 15	+32.5	JAN 31, 1960	+25.1	SEP 15	+20.1
JUL 15	+19.1	22	+34.5	FEB 05	+25.3	OCT 31	+27.5
AUG 15	+15.2	JAN 10, 1949	+33.9	MAR 25	+25.9	NOV 15	+31.1
24	+15.6	FEB 25	+34.4	APR 15	+21.0	DEC 31	+34.5
SEP 15	+16.5	MAR 15	+35.3	MAY 15	+15.6	JAN 15, 1972	+35.1
OCT 15	+23.9	17	+35.9	JUN 15	+9.7	FEB 15	+36.0
28	+27.3	APR 15	+30.2	JUL 15	+7.7	MAR 20	+35.3
NOV 15	+29.7	MAY 15	+19.3	AUG 15	+8.2	APR 15	+34.2
DEC 15	+33.0	JUN 15	+23.3	SEP 15	+8.9	MAY 15	+21.1
JAN 05, 1939	+33.7	JUL 15	+15.9	OCT 10	+10.6	JUN 15	+17.5
FEB 20	+33.3	AUG 15	+14.9	MAR 15, 1961	+23.9	JUL 15	+14.0
MAR 15	+33.5	SEP 10	+19.6	APR 15	+21.5	AUG 15	+12.0
APR 12	+33.05	OCT 10	+23.5	MAY 15	+9.2	SEP 15	+15.9
15	+33.2	DEC 15	+34.0	JUN 10	+6.5	OCT 15	+23.0
MAY 15	+19.4	JAN 15, 1950	+32.7	JUL 15	+5.3	NOV 15	+28.2
JUN 15	+16.1	FEB 15	+33.2	AUG 15	+4.90	DEC 05	+30.0
JUL 15	+12.2	MAR 15	+34.6	SEP 15	+5.2	JAN 20, 1973	+30.5
25	+12.4	22	+36.2	OCT 15	+11.3	FEB 20	+31.6
AUG 15	+12.3	APR 15	+34.3	NOV 15	+16.0	MAR 10	+32.7
25	+12.8	MAY 15	+31.4	DEC 15	+18.5	APR 15	+33.1
SEP 15	+18.2	JUN 15	+17.2	JAN 05, 1962	+18.6	MAY 05	+29.5
OCT 15	+26.2	JUL 15	+17.2	FEB 28	+20.6	JUN 15	+24.3
NOV 08	+27.2	AUG 15	+15.1	MAR 15	+20.4	JUL 15	+20.7
15	+26.9	SEP 15	+19.9	APR 15	+20.1	AUG 15	+18.7
DEC 15	+28.2	OCT 15	+24.2	MAY 15	+13.7	SEP 15	+22.3
JAN 15, 1940	+28.6	NOV 15	+28.5	JUN 15	+13.5	OCT 15	+27.6
FEB 05	+29.0	DEC 05	+31.4	JUL 15	+10.3	NOV 15	+30.6
15	+30.1	15	+32.0	AUG 15	+9.6	DEC 10	+32.8
MAR 15	+31.1	JAN 15, 1951	+34.5	SEP 15	+11.5	JAN 15, 1974	+33.9
APR 15	+29.7	FEB 15	+34.4	OCT 20	+13.9	FEB 15	+34.1
MAY 15	+16.0	MAR 15	+33.8	NOV 15	+18.7	MAR 15	+34.4
JUN 15	+11.4	APR 10	+33.3	DEC 15	+21.0	APR 15	+34.2
18	+10.6	MAY 15	+28.7	JAN 20, 1963	+22.0	MAY 15	+24.0
JUL 15	+11.0	JUN 15	+16.4	FEB 15	+22.9	JUN 15	+20.5
AUG 15	+9.9	JUL 10	+16.5	MAR 15	+22.2	JUL 15	+13.1
27	+10.9	AUG 10	+26.5	APR 15	+21.5	AUG 15	+14.7
SEP 15	+11.8	SEP 10	+22.1	MAY 15	+17.4	SEP 15	+15.7
OCT 15	+18.3	OCT 05	+24.8	JUN 15	+12.1	OCT 15	+20.5
NOV 04	+22.5	NOV 07	+31.9	JUL 16	+7.6	NOV 15	+26.5
15	+23.9	20	+32.6	AUG 15	+7.7	DEC 15	+29.1
DEC 10	+29.0	DEC 25	+31.7	SEP 15	+9.8	JAN 15, 1975	+30.2
JAN 22, 1941	+29.5	JAN 25, 1952	+32.2	OCT 15	+13.0	FEB 15	+30.8
25	+29.0	FEB 20	+32.2	NOV 15	+18.1	MAR 15	+33.2
FEB 15	+29.5	MAR 15	+32.5	DEC 15	+19.6	APR 15	+34.1
MAR 15	+30.5	APR 15	+35.3	JAN 20, 1964	+21.4	MAY 15	+30.2
19	+31.1	MAY 15	+27.5	FEB 15	+22.1	JUN 15	+23.4
APR 15	+30.5	JUN 30	+22.9	MAR 20	+23.0	JUL 15	+20.5
MAY 15	+21.5	JUL 15	+20.1	APR 10	+23.5	AUG 15	+21.9
JUN 10	+23.2	AUG 15	+21.1	MAY 15	+25.3	SEP 15	+24.7
AUG 15	+17.3	SEP 15	+20.5	JUN 15	+17.9	OCT 15	+30.3
SEP 15	+19.8	OCT 15	+25.6	JUL 15	+11.9	NOV 15	+33.3
OCT 15	+26.3	NOV 15	+32.9	AUG 15	+11.3	DEC 15	+35.5
NOV 15	+30.6	DEC 15	+33.9	SEP 15	+13.0	JAN 15, 1976	+35.9
DEC 15	+33.9	JAN 15, 1953	+34.7	OCT 31	+20.4	FEB 15	+36.5
31	+33.8	FEB 15	+36.7	NOV 10	+22.2	MAR 15	+36.8
JAN 15, 1942	+32.7	MAR 15	+37.0	DEC 20	+26.5	APR 15	+37.6
FEB 15	+33.6	APR 15	+35.8	JAN 15, 1965	+27.5	MAY 15	+26.9
MAR 15	+33.4	MAY 15	+27.3	FEB 15	+28.3	JUN 15	+21.8
28	+33.4	JUN 15	+17.1	MAR 10	+28.6	JUL 15	+16.1
APR 15	+32.3	JUL 15	+16.0	APR 15	+28.6	AUG 15	+16.2

(D- 5- 1)20ABA-2 -- CONTINUED

MAY 15	+29.7	AUG 15	+15.3	MAY 10	+25.0	SEP 15	+18.7
28	+27.3	SEP 15	+15.4	JUN 15	+17.8	OCT 10	+21.1
MAR 30, 1943	+34.1	OCT 15	+22.7	JUL 15	+13.9	15	+22.0
31	+34.1	NOV 15	+29.8	AUG 15	+16.4	NOV 15	+25.9
DEC 28	+29.4	JAN 15, 1954	+30.4	SEP 15	+20.0	DEC 15	+28.2
31	+29.4	FEB 15	+31.2	OCT 15	+24.5	JAN 15, 1977	+28.5
MAR 25, 1944	+32.2	MAR 15	+31.6	NOV 15	+28.4	FEB 15	+29.2
AUG 02	+14.5	APR 15	+29.7	DEC 15	+31.4	MAR 15	+29.8
05	+14.2	MAY 15	+14.5	JAN 15, 1966	+31.8	APR 15	+29.0
12	+14.3	JUN 15	+14.1	FEB 15	+32.4	MAY 15	+18.8
OCT 20	+25.4	JUL 15	+11.9	MAR 30	+32.6	JUN 15	+13.4
NOV 15	+27.9	AUG 10	+13.0	APR 15	+29.0	JUL 15	+11.1
28	+29.1	SEP 05	+13.4	MAY 15	+19.5	AUG 15	+10.5
DEC 02	+29.5	OCT 10	+16.7	JUN 15	+13.0	SEP 15	+13.0
15	+29.8	NOV 15	+23.4	JUL 15	+10.5	OCT 15	+15.9
JAN 15, 1945	+30.6	DEC 05	+26.1	AUG 10	+11.9	NOV 15	+19.3
FEB 15	+31.8	JAN 15, 1955	+26.5	SEP 15	+11.0	DEC 15	+20.0
MAR 15	+32.6	FEB 10	+26.5	OCT 10	+13.6	JAN 15, 1978	+20.4
29	+33.1	MAR 15	+27.0	NOV 20	+22.2	FEB 15	+21.0
APR 15	+32.5	APR 15	+27.5	DEC 15	+26.0	MAR 06	+21.1
MAY 15	+28.6	MAY 15	+18.5	JAN 15, 1967	+23.0	15	+21.8
JUN 15	+27.9	JUN 15	+16.5	FEB 28	+25.5	APR 15	+23.0
JUL 15	+21.1	JUL 15	+11.7	MAR 15	+25.6	MAY 15	+19.9
AUG 15	+24.7	AUG 15	+14.2	APR 15	+25.1	JUN 15	+13.9
SEP 15	+21.5	SEP 15	+13.4	MAY 15	+16.9	JUL 15	+13.5
OCT 15	+29.7	OCT 15	+19.3	JUN 15	+17.1	AUG 15	+16.8
NOV 09	+31.6	NOV 10	+23.5	JUL 15	+14.2	18	+12.3
15	+32.9	DEC 15	+25.0	AUG 15	+10.3	SEP 15	+18.0
16	+33.0	JAN 15, 1956	+26.2	SEP 15	+14.2	OCT 15	+21.1
DEC 18	+31.5	FEB 15	+25.9	OCT 15	+17.5	NOV 05	+24.0
20	+34.5	MAR 10	+26.3	NOV 20	+22.4	FEB 15, 1979	+28.1
JAN 15, 1946	+33.9	JUL 15	+13.3	MAR 15, 1968	+30.0	MAR 05	+28.6
FEB 15	+35.0	AUG 15	+12.5	APR 15	+28.8	15	+28.8
MAR 15	+35.3	SEP 15	+13.2	MAY 15	+25.2	APR 15	+30.2
APR 15	+35.6	OCT 15	+17.4	JUN 10	+22.5	MAY 15	+22.8
MAY 15	+24.2	NOV 15	+23.7	JUL 15	+15.5	JUN 15	+14.9
JUN 15	+19.4	DEC 15	+25.0	SEP 15	+19.7	JUL 15	+13.4
JUL 15	+19.2	JAN 15, 1957	+25.5	OCT 15	+25.7	AUG 15	+14.8
AUG 15	+18.3	FEB 15	+26.0	NOV 15	+30.2	SEP 15	+14.8
SEP 15	+22.5	MAR 15	+26.7	DEC 15	+34.0	OCT 15	+18.8
OCT 15	+28.2	APR 15	+25.9	JAN 15, 1969	+33.3	MAR 12, 1980	+26.9
NOV 15	+34.0	MAY 15	+22.6	FEB 15	+33.0	SEP 05	+19.0
DEC 15	+35.8	JUN 15	+18.1	MAR 20	+34.2	MAR 06, 1981	+28.4
16	+37.4	JUL 15	+15.9	MAY 15	+25.5	AUG 27	+16.2
JAN 15, 1947	+35.6	AUG 05	+16.5	JUN 15	+23.2	MAR 06, 1982	+29.2
FEB 15	+35.1	SEP 15	+17.1	JUL 15	+24.1	SEP 16	+28.2
MAR 15	+35.8	OCT 05	+22.3	AUG 15	+22.3		
APR 08	+35.2	NOV 15	+28.7	SEP 15	+22.4		
15	+35.1	JAN 18, 1958	+30.6	OCT 05	+26.5		

(D- 5- 1)20BCC- 1 ALT. 4507

MAR 23, 1981	+38.1	JUL 17, 1981	+22.55	OCT 30, 1981	+28.5	APR 08, 1982	+35.25
APR 30	+35.1	AUG 11	+8.8	DEC 09	+32.4	MAY 02	+32.5
MAY 09	+35.3	25	+19.7	JAN 21, 1982	+34.4	26	+30.6
29	+35.9	SEP 11	+21.5	FEB 16	+33.7	JUN 29	+24.5
JUN 19	+28.9	30	+24.8	MAR 04	+34.35		
JUL 03	+23.9	OCT 14	+25.7	22	+34.7		

(D- 5- 1)20CBC- 1 ALT. 4501

SEP 14, 1936	+21.95	AUG 09, 1956	+18.2	MAR 05, 1973	+44.6	SEP 30, 1981	+24.2
DEC 24	+34.2	MAR 14, 1963	+35.2	MAR 05, 1974	+43.4	OCT 14	+32.0
DEC 03, 1941	+36.2	MAR 03, 1964	+32.2	MAR 04, 1975	+37.75	21	+33.2
JAN 05, 1943	+39.5	APR 03	+34.6	FEB 23, 1980	+40.	30	+33.8
FEB 08	+40.0	MAR 18, 1965	+38.3	MAR 19, 1981	+37.5	NOV 12	+33.8
MAR 01	+40.6	MAR 29, 1966	+41.3	APR 30	+34.0	DEC 09	+35.3
APR 07	+40.5	SEP 09	+16.8	MAY 09	+36.2	JAN 21, 1982	+34.4
MAY 08	+38.4	DEC 15	+35.9	29	+35.4	FEB 16	+34.2
JUN 08	+22.0	MAR 1967	+36.3	JUN 18	+25.85	MAR 04	+37.4
AUG 05	+22.4	MAR 12, 1968	+39.0	JUL 03	+19.25	22	+36.15
OCT 06	+22.7	MAR 05, 1969	+43.65	17	+26.15	APR 08	+36.6
NOV 04	+30.1	MAR 12, 1970	+46.5	AUG 11	+19.5	MAY 02	+26.5
MAR 28, 1944	+36.0	MAR 19, 1971	+43.7	25	+30.0	26	+31.1
APR 08, 1947	+42.73	MAR 07, 1972	+42.8	SEP 11	+24.3	JUN 29	+25.4

(D- 5- 1)20CCB- 3 ALT. 4497

MAR 18, 1965	+17.7	OCT 21, 1981	+34.9	FEB 19, 1982	+35.2	JUN 17, 1982	+24.8

(D- 5- 1)20DBB- 1 ALT. 4504

SEP 17, 1935	+25.5	AUG 09, 1936	+32.8	DEC 23, 1936	+43.2	MAR 29, 1964	+39.2
OCT 23	+31.1	SEP 02	+30.3	APR 09, 1947	+51.4	MAR 18, 1965	+32.3
JUL 21, 1936	+30.4	OCT 03	+30.9	MAR 14, 1963	+37.4	OCT 21, 1981	+40.8

(D- 5- 1)21DBA- 2 ALT. 4500

APR 10, 1947	+22.7	JUN 19, 1981	+20.9	OCT 14, 1981	+20.0	MAR 22, 1982	+21.4
JAN 07, 1958	+21.2	JUL 03	+20.8	30	+21.1	APR 08	+21.2
MAR 14, 1963	+20.6	17	+20.35	NOV 12	+20.5	MAY 02	+22.1
MAR 19, 1981	+21.4	AUG 11	+20.7	DEC 09	+21.3	26	+20.7
APR 30	+19.2	25	+18.0	JAN 21, 1982	+21.3	JUN 29	+21.3
MAY 09	+21.6	SEP 11	+19.8	FEB 16	+20.9	SEP 16	+22.3
29	+22.3	30	+20.3	MAR 04	+21.2		

(D- 5- 1)21DBA- 3 ALT. 4500

APR 17, 1947	+71.0	DEC 14, 1966	+60.8	MAR 05, 1973	+52.4	MAR 04, 1980	+47.5
JAN 10, 1958	+63.7	MAR 14, 1967	+61.5	MAR 08, 1974	+71.0	AUG 21	+49.0
MAR 28, 1963	+56.4	MAR 12, 1968	+67.8	MAR 04, 1975	+63.0	MAR 06, 1981	+59.0
APR 01, 1964	+61.0	MAR 17, 1969	+72.6	MAR 02, 1976	+72.6	OCT 21	+54.0
MAR 22, 1965	+63.3	MAR 23, 1970	+79.5	MAR 11, 1977	+59.5	MAR 06, 1982	+54.5
MAR 18, 1966	+72.6	MAR 19, 1971	+72.6	MAR 06, 1978	+58.7		
SEP 09	+50.2	MAR 07, 1972	+71.4	MAR 14, 1979	+37.35		

(D- 5- 1)21DDA- 2 ALT. 4499

FEB 27, 1957	+70.2	MAR 19, 1971	+79.04	MAR 06, 1981	+76.0	OCT 30, 1981	+68.5
DEC 23	+71.6	MAR 07, 1972	+77.4	APR 30	+74.5	NOV 12	+67.5
MAR 28, 1963	+60.0	MAR 05, 1973	+74.4	MAY 09	+73.5	DEC 09	+68.5
APR 01, 1964	+64.7	MAR 08, 1974	+77.0	29	+73.5	JAN 21, 1982	+70.5
MAR 22, 1965	+69.3	MAR 04, 1975	+70.5	JUN 19	+65.5	FEB 16	+71.5
MAR 18, 1966	+76.2	MAR 02, 1976	+81.3	JUL 03	+63.5	MAR 06	+69.5
SEP 09	+56.6	MAR 03, 1977	+66.3	20	+60.5	APR 08	+68.5
DEC 14	+67.3	MAR 06, 1978	+59.4	AUG 11	+56.5	MAY 02	+62.5
MAR 14, 1967	+67.6	MAR 14, 1979	+74.5	25	+60.5	26	+65.0
MAR 12, 1968	+74.3	FEB 14, 1980	+68.5	SEP 11	+64.5	JUN 29	+67.0
MAR 17, 1969	+81.35	MAR 04	+69.0	30	+63.5		
MAR 23, 1970	+83.66	AUG 21	+68.0	OCT 14	+66.5		

(D- 5- 1)22ACB- 3 ALT. 4527

MAR 22, 1965	+48.7	MAR 12, 1968	+55.4	MAR 12, 1973	+57.5	MAR 01, 1982	+50.0
MAR 18, 1966	+61.4	MAR 05, 1969	+60.4	MAR 14, 1979	+55.13	JUN 18	+50.5
SEP 09	+36.0	MAR 23, 1970	+63.3	MAR 04, 1980	+49.0	SEP 09	+50.5
DEC 14	+49.3	MAR 19, 1971	+53.3	MAR 06, 1981	+56.5		
MAR 14, 1967	+47.4	MAR 07, 1972	+57.9	OCT 22	+45.0		

(D- 5- 1)22BCC- 1 ALT. 4508

MAR 14, 1967	+18.8	MAR 16, 1971	+19.9	MAR 04, 1975	+19.05	MAR 14, 1979	+19.49
MAR 12, 1968	+19.8	MAR 07, 1972	+20.1	MAR 02, 1976	+19.6	MAR 04, 1980	+19.54
MAR 17, 1969	+20.1	MAR 05, 1973	+19.2	MAR 03, 1977	+19.4	MAR 06, 1981	+19.9
MAR 23, 1970	+21.4	MAR 08, 1974	+20.05	MAR 06, 1978	+17.95	MAR 06, 1982	+19.5

(D- 5- 1)22BCC- 2 ALT. 4508

JAN 08, 1958	+62.2	MAR 14, 1967	+57.5	MAR 08, 1974	+70.0	MAR 04, 1980	+63.0
APR 01, 1964	+55.4	MAR 12, 1968	+64.6	MAR 04, 1975	+63.5	MAR 06, 1981	+69.0
MAR 22, 1965	+60.0	MAR 17, 1969	+69.3	MAR 02, 1976	+74.9	MAR 06, 1982	+63.0
MAR 18, 1966	+69.3	MAR 23, 1970	+77.2	MAR 11, 1977	+59.0		
SEP 09	+48.4	MAR 19, 1971	+72.61	MAR 06, 1978	+49.5		
DEC 14	+56.7	MAR 07, 1972	+69.0	MAR 14, 1979	+67.5		

(D- 5- 1)23CDA- 1 ALT. 4545.7

JUL 20, 1981	-5.37	OCT 14, 1981	-6.07	MAR 04, 1982	-8.4	JUN 10, 1982	-4.78
AUG 11	-5.74	30	-6.35	22	-6.67	29	-4.48
26	-5.64	NOV 17	-6.92	APR 08	-6.26	SEP 16	-5.10
SEP 11	-5.61	DEC 09	-7.41	MAY 02	-5.50		
30	-5.9	FEB 16, 1982	-8.3	26	-4.58		

Table 2.--Water levels in selected wells--Continued

(D- 5- 1)23DAB- 3 ALT. 4567

FEB 28, 1940	+16.8	JUN 06, 1944	+19.7	APR 03, 1957	+16.2	MAR 05, 1969	+27.85
APR 12	+16.0	JUL 04	+20.6	SEP 04	+13.9	SEP 04	+25.5
MAY 01	+15.7	AUG 01	+19.0	DEC 23	+16.7	MAR 13, 1970	+30.6
JUN 18	+13.4	SEP 04	+18.9	APR 04, 1958	+15.1	SEP 01	+17.6
JAN 22, 1941	+13.4	OCT 03	+19.3	DEC 23	+17.2	MAR 16, 1971	+25.5
MAR 17	+12.8	NOV 07	+19.6	APR 06, 1959	+16.4	OCT 05	+18.2
DEC 05	+21.7	DEC 28	+22.0	DEC 30	+15.1	MAR 07, 1972	+25.3
30	+22.2	MAR 29, 1945	+21.0	APR 20, 1960	+14.4	SEP 22	+8.6
MAR 28, 1942	+22.6	DEC 18	+26.7	DEC 07	+6.4	MAR 12, 1973	+22.1
JUN 26	+23.7	MAR 06, 1946	+26.1	MAR 23, 1961	+8.2	SEP 05	+19.3
DEC 27	+21.6	DEC 16	+25.6	JAN 05, 1962	-1.70	MAR 05, 1974	+24.35
JAN 05, 1943	+22.9	APR 08, 1947	+24.8	MAR 05	-0.10	MAR 05, 1975	+18.65
FEB 01	+22.6	MAY 05	+24.2	DEC 04	+7.2	AUG 18	+23.65
MAR 01	+21.9	DEC 17	+27.7	MAR 08, 1963	+9.1	MAR 03, 1976	+28.35
29	+22.0	MAR 29, 1948	+25.4	APR 05	+7.5	AUG 17	+12.05
APR 03	+21.4	DEC 22	+24.3	AUG 28	+0.88	MAR 03, 1977	+18.15
MAY 06	+20.8	MAR 17, 1949	+25.8	DEC 06	+6.2	11	+16.35
JUN 01	+20.3	DEC 15	+26.0	MAR 09, 1964	+7.9	MAR 06, 1978	+4.90
JUL 07	+19.8	MAR 22, 1950	+25.2	APR 01	+7.5	AUG 22	+14.2
AUG 05	+19.6	DEC 19	+23.9	DEC 09	+12.7	MAR 14, 1979	+22.51
SEP 01	+18.7	MAR 30, 1951	+23.1	MAR 24, 1965	+12.7	SEP 17	+13.2
OCT 05	+18.5	DEC 28	+22.7	AUG 25	+18.4	MAR 04, 1980	+18.65
NOV 03	+20.2	APR 08, 1952	+21.2	OCT 13	+21.3	SEP 04	+22.6
DEC 28	+19.0	DEC 11	+30.0	DEC 14	+23.5	MAR 09, 1981	+25.1
JAN 11, 1944	+18.8	APR 22, 1953	+32.6	MAR 28, 1966	+23.5	AUG 27	+11.4
FEB 02	+18.4	DEC 01	+22.1	SEP 08	+6.85	OCT 22	+14.5
MAR 02	+19.5	MAR 24, 1954	+20.0	DEC 14	+13.7	MAR 06, 1982	+18.8
25	+20.1	APR 12, 1955	+13.1	MAR 14, 1967	+14.2	SEP 16	+25.5
APR 04	+19.1	MAR 28, 1956	+12.6	MAR 12, 1968	+22.7		
MAY 06	+18.9	DEC 13	+13.1	SEP 20	+20.7		

(D- 5- 1)24DDD- 4 ALT. 4547

APR 12, 1947	+11.5	MAR 13, 1968	+12.3	MAR 08, 1974	+14.25	MAR 04, 1980	+10.21
MAR 22, 1965	+8.0	MAR 07, 1969	+14.8	MAR 05, 1975	+11.5	MAR 09, 1981	+12.9
MAR 29, 1966	+12.1	MAR 13, 1970	+15.15	MAR 03, 1976	+16.35	OCT 22	+9.6
SEP 08	+8.0	MAR 16, 1971	+12.7	MAR 04, 1977	+11.1	MAR 08, 1982	+10.6
DEC 14	+9.7	MAR 03, 1972	+13.4	MAR 07, 1978	+4.1	JUN 18	+10.5
MAR 15, 1967	+8.1	MAR 05, 1973	+12.3	MAR 14, 1979	+11.35		

(D- 5- 1)25AAA- 3 ALT. 4542

MAR 22, 1965	+16.0	MAR 13, 1968	+18.5	MAR 08, 1974	+21.4	MAR 04, 1980	+18.01
MAR 22, 1966	+21.6	MAR 07, 1969	+22.1	MAR 05, 1975	+19.0	MAR 09, 1981	+20.2
29	+19.0	MAR 13, 1970	+22.2	MAR 03, 1976	+22.75	MAR 08, 1982	+17.9
SEP 08	+15.8	MAR 16, 1971	+20.2	MAR 04, 1977	+18.4		
DEC 14	+16.9	MAR 03, 1972	+20.8	MAR 07, 1978	+11.3		
MAR 15, 1967	+15.5	MAR 05, 1973	+19.7	MAR 14, 1979	+19.12		

(D- 5- 1)25CAB- 3 ALT. 4522

APR 11, 1947	+36.1	DEC 14, 1966	+33.3	MAR 07, 1972	+37.4	MAR 07, 1978	+27.35
MAR 13, 1963	+29.4	MAR 15, 1967	+31.9	MAR 05, 1973	+36.6	MAR 14, 1979	+34.04
MAR 31, 1964	+30.4	MAR 12, 1968	+35.9	MAR 08, 1974	+38.7	MAR 04, 1980	+32.33
MAR 19, 1965	+30.5	MAR 07, 1969	+38.3	MAR 05, 1975	+35.1	MAR 06, 1981	+35.0
MAR 29, 1966	+35.3	MAR 13, 1970	+37.3	MAR 03, 1976	+44.2	OCT 22	+32.3
SEP 08	+29.4	MAR 16, 1971	+36.1	MAR 11, 1977	+35.5	MAR 06, 1982	+34.6

(D- 5- 1)25CCD- 1 ALT. 4502

FEB 27, 1957	+55.2	MAR 18, 1971	+52.0	MAR 05, 1975	+50.5	MAR 14, 1979	+53.13
MAR 06, 1968	+52.3	MAR 09, 1972	+53.2	MAR 03, 1976	+60.1	MAR 04, 1980	+52.0
MAR 05, 1969	+54.1	MAR 07, 1973	+51.8	MAR 01, 1977	+52.0	MAR 06, 1981	+55.0
MAR 11, 1970	+53.3	MAR 06, 1974	+57.4	MAR 07, 1978	+48.5	MAR 01, 1982	+51.0

(D- 5- 1)25CDC- 1 ALT. 4505

MAR 14, 1967	+46.1	MAR 18, 1971	+49.4	MAR 05, 1975	+49.2	MAR 04, 1980	+45.75
MAR 12, 1968	+49.3	19	+50.2	MAR 03, 1976	+53.2	MAR 06, 1981	+48.5
MAR 07, 1969	+51.6	MAR 09, 1972	+50.2	MAR 11, 1977	+46.5	MAR 06, 1982	+46.8
MAR 11, 1970	+50.8	MAR 07, 1973	+49.2	MAR 07, 1978	+40.4		
12	+50.5	MAR 06, 1974	+52.2	MAR 14, 1979	+47.03		

Table 2.--Water levels in selected wells--Continued

(D- 5- 1)25DAA- 1 ALT. 4523

MAR 15, 1967	+32.7	MAR 16, 1971	+36.8	MAR 05, 1975	+35.4	MAR 14, 1979	+34.91
MAR 12, 1968	+36.3	MAR 03, 1972	+37.6	MAR 03, 1976	+45.2	MAR 04, 1980	+33.41
MAR 07, 1969	+38.9	MAR 05, 1973	+36.7	MAR 04, 1977	+35.3	MAR 09, 1981	+35.7
MAR 13, 1970	+38.4	MAR 06, 1974	+39.15	MAR 07, 1978	+27.8	MAR 06, 1982	+34.0

(D- 5- 1)26ABD- 1 ALT. 4530

APR 11, 1947	+38.95	MAR 19, 1965	+39.0	OCT 27, 1981	+37.8	MAR 04, 1982	+43.3
MAR 13, 1963	+34.1	MAR 18, 1966	+48.5	NOV 17	+41.6	APR 08	+37.9
APR 01, 1964	+36.5	MAR 23, 1981	+46.0	DEC 09	+38.8		

(D- 5- 1)26BAA- 1 ALT. 4531.2

JUL 20, 1981	-2.77	OCT 14, 1981	-1.87	MAR 04, 1982	-1.66	JUN 10, 1982	-2.44
AUG 11	-2.15	30	-1.79	22	-1.75	29	-2.64
26	-2.11	NOV 17	-1.95	APR 08	-1.99		
SEP 11	-2.17	DEC 09	-1.9	MAY 02	-2.2		
30	-2.37	FEB 16, 1982	-1.46	26	-2.33		

(D- 5- 1)26BAD- 1 ALT. 4527

APR 10, 1947	+24.75	MAR 31, 1964	+17.7	MAR 20, 1981	+27.2	MAR 09, 1982	+21.4
MAR 13, 1963	+19.5	NOV 06, 1980	+25.9	OCT 27	+22.8		

(D- 5- 1)26BDA- 1 ALT. 4522

OCT 22, 1980	+31.2	OCT 27, 1981	+28.3	FEB 22, 1982	+27.85	JUN 10, 1982	+26.8
MAR 20, 1981	+29.8						

(D- 5- 1)26BDC- 1 ALT. 4509

FEB 23, 1981	+39.5	MAY 30, 1981	+38.1	AUG 11, 1981	+28.7	OCT 14, 1981	+31.6
MAR 20	+39.3	JUN 19	+35.7	25	+28.9	27	+33.1
MAY 05	+37.2	JUL 03	+34.1	SEP 11	+31.0	NOV 12	+30.9
09	+36.9	20	+31.8	30	+29.9		

(D- 5- 1)26BDD- 1 ALT. 4517.3

JUL 20, 1981	-4.87	OCT 14, 1981	-3.6	MAR 04, 1982	-2.9	JUN 10, 1982	-3.06
AUG 11	-4.8	30	-3.45	22	-3.22	29	-3.53
25	-4.87	NOV 17	-3.51	APR 08	-3.32		
SEP 11	-3.2	DEC 09	-3.5	MAY 02	-3.5		
30	-3.84	FEB 16, 1982	-2.44	26	-3.68		

(D- 5- 1)26CAA- 1 ALT. 4510.5

JUL 20, 1981	-1.84	OCT 14, 1981	-1.4	MAR 04, 1982	-1.26	JUN 10, 1982	-0.55
AUG 11	-1.78	30	-1.83	22	-1.61	29	-1.60
26	-1.62	NOV 17	-1.97	APR 08	-1.85		
SEP 11	-0.61	DEC 09	-1.93	MAY 02	-0.75		
30	-1.82	FEB 16, 1982	-1.38	26	-0.34		

(D- 5- 1)26CDD- 1 ALT. 4497.7

JUL 20, 1981	-4.45	SEP 30, 1981	-4.2	MAR 04, 1982	-1.3	MAY 26, 1982	-2.14
AUG 11	-4.75	OCT 14	-3.62	22	-1.53	JUN 10	-2.45
25	-4.82	30	-3.16	APR 08	-2.30	29	-2.44
SEP 11	-4.3	FEB 16, 1982	-2.47	MAY 02	-2.3	SEP 16	-4.11

(D- 5- 1)26DBA- 1 ALT. 4515

APR 10, 1947	+39.6	OCT 27, 1981	+34.7	FEB 22, 1982	+35.7	JUN 18, 1982	+33.8

(D- 5- 1)27AAC- 1 ALT. 4506

MAR 19, 1965	+33.0	MAR 05, 1969	+35.7	MAY 09, 1981	+32.8	SEP 11, 1981	+31.5
MAR 22, 1966	+36.8	MAR 13, 1970	+35.5	29	+34.9	30	+25.5
29	+34.5	MAR 16, 1971	+35.1	JUN 19	+27.95	OCT 14	+31.7
SEP 09	+31.4	MAR 07, 1972	+35.2	JUL 03	+32.3	30	+33.9
DEC 14	+33.4	FEB 23, 1981	+36.5	20	+32.6	NOV 12	+33.7
MAR 15, 1967	+32.7	MAR 20	+34.5	AUG 11	+24.0	DEC 09	+34.5
MAR 12, 1968	+35.5	APR 30	+33.5	25	+30.65	JAN 21, 1982	+34.2

(D- 5- 1)27AAC- 1 -- CONTINUED

FEB 16, 1982	+31.9	MAR 23, 1982	+33.5	MAY 02, 1982	+34.7	JUN 29, 1982	+32.6
MAR 04	+33.3	APR 08	+34.3	26	+34.0		

(D- 5- 1)27DAA- 1 ALT. 4498

OCT 22, 1980	+39.0	JUL 03, 1981	+36.7	OCT 14, 1981	+36.2	MAR 04, 1982	+37.8
MAR 19, 1981	+40.5	20	+35.3	30	+37.0	22	+37.5
APR 30	+37.9	AUG 11	+31.7	NOV 12	+37.1	APR 08	+37.5
MAY 09	+37.8	25	+31.3	DEC 09	+37.1	MAY 02	+38.2
29	+38.05	SEP 11	+35.8	JAN 21, 1982	+37.3	26	+38.1
JUN 19	+34.6	30	+32.5	FEB 16	+36.8	JUN 29	+35.1

(D- 5- 1)35AAA- 2 ALT. 4500

MAR 22, 1965	+47.2	MAR 12, 1968	+50.9	MAR 05, 1973	+51.2	JUN 18, 1982	+48.0
MAR 18, 1966	+55.3	MAR 05, 1969	+52.8	MAR 08, 1974	+53.2	SEP 09	+50.5
SEP 08	+45.5	MAR 12, 1970	+52.5	MAR 05, 1975	+48.7		
DEC 14	+49.2	MAR 19, 1971	+57.6	OCT 22, 1981	+44.0		
MAR 16, 1967	+48.85	MAR 07, 1972	+51.8	FEB 19, 1982	+49.2		

(D- 5- 1)35ACB- 1 ALT. 4490

AUG 01, 1957	+41.23	MAR 05, 1969	+45.4	MAY 05, 1981	+41.5	AUG 25, 1981	+36.6
DEC 10	+45.43	MAR 13, 1970	+48.0	09	+41.7	SEP 11	+33.7
30	+43.03	MAR 07, 1972	+43.5	30	+43.7	30	+37.5
MAR 12, 1958	+44.93	MAR 05, 1973	+42.9	JUN 18	+43.6	OCT 14	+38.0
AUG 06	+44.33	MAR 05, 1974	+36.7	JUL 03	+33.8	30	+42.9
MAR 15, 1967	+43.05	MAR 04, 1975	+30.5	20	+23.9		
MAR 12, 1968	+45.4	AUG 21, 1980	+39.0	AUG 11	+30.1		

(D- 5- 1)35ACB- 2 ALT. 4491.7

JUL 20, 1981	-4.34	OCT 14, 1981	-3.9	MAR 04, 1982	-2.65	JUN 10, 1982	-2.26
AUG 11	-4.2	30	-3.7	22	-3.17	29	-2.42
25	-4.3	NOV 12	-3.65	APR 08	-3.30	SEP 16	-3.03
SEP 11	-4.07	DEC 09	-3.1	MAY 02	-2.30		
30	-4.36	FEB 16, 1982	-2.48	26	-1.73		

(D- 5- 2) 6ACD- 1 ALT. 4955

FEB 12, 1981	-354.3	JUL 06, 1981	-363.2	OCT 01, 1981	-367.1	MAR 22, 1982	-360.4
MAR 18	-354.9	20	-365.95	13	-366.2	APR 30	-358.3
APR 28	-357.1	AUG 10	-365.7	NOV 02	-366.95	MAY 18	-357.02
JUN 04	-355.3	24	-366.4	11	-364.4	JUN 29	-350.14
22	-359.75	SEP 10	-363.2	DEC 08	-364.3		

(D- 5- 2) 7DDC- 1 ALT. 4730

MAY 06, 1947	-7.55	DEC 15, 1966	-4.30	MAR 03, 1972	-5.36	MAR 07, 1978	-7.35
MAR 19, 1963	-7.05	MAR 14, 1967	-6.81	MAR 12, 1973	-5.62	MAR 15, 1979	-5.05
MAR 30, 1964	-7.10	MAR 11, 1968	-5.85	MAR 05, 1974	-5.22	MAR 03, 1980	-4.99
MAR 12, 1965	-5.85	MAR 05, 1969	-5.30	MAR 05, 1975	-5.38	MAR 06, 1981	-5.36
MAR 15, 1966	-4.97	MAR 13, 1970	-5.47	MAR 03, 1976	-4.80	MAR 02, 1982	-5.47
SEP 08	-2.33	MAR 16, 1971	-6.00	MAR 04, 1977	-6.20		

(D- 5- 2)18ABA- 1 ALT. 4745

NOV 19, 1980	-165.	JUL 02, 1981	-170.3	OCT 13, 1981	-172.7	MAR 06, 1982	-170.95
MAR 30, 1981	-166.66	17	-171.1	NOV 02	-171.8	22	-170.5
APR 30	-168.26	AUG 10	-173.0	11	-171.7	APR 30	-169.85
MAY 07	-168.2	24	-173.2	DEC 08	-171.75	MAY 18	-169.4
JUN 04	-168.7	SEP 10	-173.4	JAN 19, 1982	-171.0	JUN 29	-167.83
18	-169.3	29	-174.3	FEB 11	-170.0		

(D- 5- 2)19ABC- 1 ALT. 4581

MAY 03, 1965	-16.55	MAR 13, 1970	-15.82	MAR 05, 1975	-16.30	MAR 03, 1980	-12.41
SEP 20, 1966	-11.40	MAR 16, 1971	-15.90	MAR 03, 1976	-14.53	MAR 06, 1981	-15.66
MAR 16, 1967	-16.63	MAR 03, 1972	-15.40	MAR 04, 1977	-16.98	MAR 08, 1982	-16.01
MAR 13, 1968	-15.24	MAR 12, 1973	-15.19	MAR 07, 1978	-18.35		
MAR 07, 1969	-14.16	MAR 06, 1974	-15.47	MAR 14, 1979	-14.54		

Table 2.--Water levels in selected wells--Continued

(D- 5- 2)19DAD- 1 ALT. 4544

MAR 29, 1966	+16.7	DEC 15, 1966	+15.3	MAR 12, 1968	+17.8	OCT 22, 1981	+16.2
SEP 20	+13.9	MAR 15, 1967	+14.4				

(D- 5- 2)19DCA- 1 ALT. 4544

APR 13, 1947	+18.8	DEC 15, 1966	+16.8	MAR 07, 1972	+19.2	MAR 07, 1978	+10.2
APR 05, 1963	+12.0	MAR 15, 1967	+14.9	MAR 12, 1973	+18.3	MAR 14, 1979	+17.83
APR 01, 1964	+11.4	MAR 12, 1968	+17.9	MAR 06, 1974	+21.0	MAR 04, 1980	+16.33
MAR 23, 1965	+15.0	MAR 07, 1969	+20.6	MAR 05, 1975	+17.55	MAR 09, 1981	+18.5
MAR 29, 1966	+19.0	MAR 13, 1970	+21.3	MAR 03, 1976	+22.1	MAR 06, 1982	+16.5
SEP 20	+15.1	MAR 16, 1971	+19.0	MAR 04, 1977	+17.0		

(D- 5- 2)20CBA- 4 ALT. 4552.2

MAR 13, 1947	+37.9	MAR 19, 1958	+31.8	MAR 13, 1981	+37.1	MAR 08, 1982	+31.0
SEP 12, 1957	+28.5	FEB 24, 1981	+43.3				

(D- 5- 2)21CBA- 1 ALT. 4738

MAR 13, 1963	-170.14	MAR 13, 1981	-162.5	FEB 11, 1982	-167.3	MAY 18, 1982	-163.8
APR 01, 1964	-170.97	NOV 17	-166.6	MAR 06	-167.15	JUN 29	-159.64
MAR 23, 1965	-166.5	DEC 09	-166.7	APR 14	-166.05		
FEB 12, 1981	-161.95	JAN 21, 1982	-167.1	30	-165.9		

(D- 5- 2)29BAD- 4 ALT. 4539

MAY 08, 1958	+24.6	AUG 27, 1980	+24.	MAR 13, 1981	+22.9	MAR 08, 1982	+20.55

(D- 5- 2)29CAA- 2 ALT. 4532

DEC 10, 1957	+34.6	MAR 23, 1965	+29.8	MAR 16, 1967	+29.2	JUL 01, 1982	+31.3
APR 15, 1958	+27.8	MAR 29, 1966	+31.6	MAR 17, 1981	+34.4	SEP 09	+35.5
MAR 13, 1963	+25.9	SEP 20	+29.1	OCT 27	+31.9		
APR 01, 1964	+27.5	DEC 15	+29.8	MAR 08, 1982	+32.1		

(D- 5- 2)29DBB- 1 ALT. 4538

DEC 03, 1957	+25.0	MAR 16, 1967	+21.75	MAR 06, 1973	+24.7	MAR 14, 1979	+23.64
MAR 13, 1963	+20.7	MAR 13, 1968	+25.75	MAR 06, 1974	+26.6	MAR 09, 1981	+14.9
APR 01, 1964	+20.3	MAR 07, 1969	+28.7	MAR 05, 1975	+22.2	OCT 27	+23.0
MAR 23, 1965	+24.0	MAR 12, 1970	+30.3	MAR 03, 1976	+26.45	MAR 08, 1982	+23.1
MAR 29, 1966	+27.7	MAR 16, 1971	+26.8	MAR 04, 1977	+22.0		
DEC 15	+23.1	MAR 08, 1972	+26.6	MAR 07, 1978	+15.8		

(D- 5- 2)29DBD- 8 ALT. 4540

OCT 28, 1981	+16.6	FEB 19, 1982	+16.2	JUL 01, 1982	+12.9	SEP 09, 1982	+21.5

(D- 5- 2)29DBD-12 ALT. 4540

MAR 23, 1965	+21.7	MAR 07, 1969	+25.3	MAR 05, 1975	+21.1	OCT 28, 1981	+19.9
MAR 24, 1966	+23.6	MAR 13, 1970	+26.45	MAR 03, 1976	+25.95	MAR 08, 1982	+19.9
29	+21.8	MAR 16, 1971	+25.2	MAR 04, 1977	+17.65	SEP 16	+24.8
DEC 15	+20.1	MAR 09, 1972	+25.6	MAR 07, 1978	+12.8		
MAR 16, 1967	+19.1	MAR 06, 1973	+22.0	MAR 14, 1979	+18.94		
MAR 13, 1968	+21.1	MAR 08, 1974	+24.5	MAR 17, 1981	+21.5		

(D- 5- 2)29DBD-13 ALT. 4543

JUL 22, 1980	+27.5	OCT 28, 1981		MAR 08, 1982	+24.95	SEP 16, 1982	+28.9
MAR 17, 1981	+29.55						

(D- 5- 2)30CAB- 2 ALT. 4518

MAR 23, 1965	+36.1	MAR 16, 1967	+37.45	MAR 13, 1970	+43.9	OCT 23, 1981	+38.8
MAR 29, 1966	+40.4	MAR 13, 1968	+41.0	MAR 16, 1971	+41.5	FEB 18, 1982	+38.7
SEP 20	+37.0	SEP 20	+42.2	MAR 03, 1972	+42.1	JUN 18	+38.9
DEC 15	+38.2	MAR 07, 1969	+43.25	MAR 06, 1973	+40.8	SEP 09	+42.4

(D- 5- 2)30CCB- 2 ALT. 4515

APR 23, 1947	+43.8	APR 12, 1955	+40.2	DEC 30, 1959	+40.6	DEC 06, 1963	+37.2
JUL 19, 1951	+41.5	MAR 28, 1956	+40.3	APR 20, 1960	+39.1	MAR 09, 1964	+38.0
DEC 28	+44.3	DEC 13	+40.7	DEC 07	+38.0	DEC 09	+39.7
APR 09, 1952	+43.6	APR 03, 1957	+41.1	MAR 23, 1961	+39.1	MAR 09, 1965	+39.8
APR 22, 1953	+44.8	DEC 23	+42.6	MAR 05, 1962	+33.1	AUG 25	+40.4
DEC 01	+43.5	APR 04, 1958	+42.2	DEC 06	+39.3	OCT 13	+43.7
MAR 24, 1954	+42.5	DEC 23	+43.0	MAR 12, 1963	+38.2	MAR 28, 1966	+41.2
MAR 09, 1955	+40.3	APR 06, 1959	+42.0	AUG 28	+27.8		

(D- 5- 2)30DCA- 1 ALT. 4508

MAR 15, 1967	+46.4	MAR 19, 1971	+53.45	MAR 05, 1975	+48.1	MAR 14, 1979	+48.58
MAR 13, 1968	+48.8	MAR 07, 1972	+52.3	MAR 03, 1976	+55.8	MAR 06, 1980	+43.2
MAR 07, 1969	+50.9	MAR 06, 1973	+46.6	MAR 11, 1977	+45.5	MAR 09, 1981	+48.9
MAR 13, 1970	+52.0	MAR 06, 1974	+51.3	MAR 07, 1978	+41.2	MAR 06, 1982	+47.6

(D- 5- 2)30DCA- 2 ALT. 4512

APR 13, 1947	+47.1	MAR 22, 1966	+48.2	SEP 20, 1966	+42.6	OCT 23, 1981	+44.8
MAR 23, 1965	+44.1						

(D- 5- 2)30DDA- 1 ALT. 4510

APR 23, 1947	+50.7	FEB 24, 1981	+54.	MAR 23, 1981	+56.0	OCT 23, 1981	+48.0
MAR 27, 1963	+41.9						

(D- 5- 2)31ACB- 1 ALT. 4501

MAR 23, 1965	+56.4	MAR 06, 1973	+57.4	JUL 03, 1981	+64.0	DEC 09, 1981	+56.0
MAR 22, 1966	+58.8	MAR 08, 1974	+59.0	20	+52.0	JAN 21, 1982	+55.0
DEC 15	+55.5	MAR 05, 1975	+47.5	AUG 11	+45.0	FEB 16	+56.0
MAR 15, 1967	+55.3	FEB 24, 1981	+58.	25	+52.0	MAR 04	+57.0
MAR 13, 1968	+57.2	MAR 24	+57.0	SEP 11	+53.0	22	+52.0
MAR 07, 1969	+60.0	MAY 05	+52.0	30	+55.	APR 08	+52.0
MAR 23, 1970	+60.7	09	+57.0	OCT 14	+56.0	MAY 02	+50.0
MAR 19, 1971	+61.1	30	+59.0	30	+58.0	26	+50.5
MAR 07, 1972	+58.0	JUN 19	+50.0	NOV 17	+57.0	JUN 29	+50.5

(D- 6- 2) 3BDD- 1 ALT. 4757

MAR 03, 1937	-45.93	AUG 10, 1938	-34.70	MAY 03, 1940	-45.43	DEC 28, 1944	-40.36
APR 14	-46.80	SEP 26	-35.4	JUN 05	-49.55	MAR 29, 1945	-46.59
JUN 11	-33.61	OCT 05	-35.02	NOV 05	-49.55	DEC 18	-38.97
JUL 31	-32.53	NOV 15	-37.3	JAN 22, 1941	-46.68	MAR 11, 1946	-45.48
SEP 23	-35.30	DEC 13	-42.24	MAR 17	-46.44	DEC 16	-38.53
NOV 01	-36.14	FEB 07, 1939	-45.45	DEC 30	-43.02	APR 08, 1947	-45.88
DEC 12	-39.14	MAR 29	-47.58	MAR 19, 1942	-46.94	MAY 05	-44.10
FEB 14, 1938	-44.79	APR 12	-47.57	JUN 26	-30.86	DEC 17	-39.26
APR 05	-47.45	MAY 13	-42.9	DEC 27	-40.11	MAR 15, 1963	-45.91
MAY 05	-46.60	JUN 07	-45.4	MAR 29, 1943	-47.02	MAR 25, 1981	-47.15
JUN 01	-38.75	FEB 28, 1940	-44.72	DEC 29	-40.32	MAR 24, 1982	-46.25
JUL 07	-32.3	APR 15	-46.81	MAR 24, 1944	-46.00		

(D- 6- 2) 6ACB- 2 ALT. 4500.9

MAR 27, 1963	+43.9	MAR 08, 1972	+41.4	MAY 30, 1981	+39.5	DEC 09, 1981	+36.8
APR 01, 1964	+39.9	MAR 06, 1973	+43.7	JUN 19	+36.6	JAN 21, 1982	+37.6
MAR 23, 1965	+43.1	MAR 06, 1974	+41.4	JUL 03	+34.2	FEB 16	+36.7
MAR 21, 1966	+52.8	MAR 05, 1975	+38.35	20	+32.65	MAR 06	+39.6
SEP 16	+39.4	MAR 03, 1976	+48.5	AUG 11	+30.8	22	+38.3
DEC 16	+44.2	MAR 07, 1977	+36.35	25	+30.4	APR 08	+38.55
MAR 16, 1967	+44.15	MAR 07, 1978	+33.4	SEP 11	+32.0	MAY 02	+38.0
MAR 13, 1968	+46.2	MAR 15, 1979	+38.2	30	+33.0	26	+37.1
MAR 07, 1969	+48.4	MAR 06, 1980	+38.44	OCT 14	+34.2	JUN 30	+34.9
MAR 13, 1970	+48.4	MAR 09, 1981	+41.3	30	+36.15		
MAR 19, 1971	+43.1	MAY 09	+38.2	NOV 17	+35.4		

(D- 6- 2) 6ACC- 1 ALT. 4501

APR 14, 1947	+41.0	DEC 10, 1957	+44.4	MAR 23, 1965	+35.3	FEB 22, 1982	+32.2
AUG 30, 1956	+35.9	MAR 13, 1958	+42.55	OCT 23, 1981	+29.9		

Table 2.--Water levels in selected wells--Continued

(D- 6- 2) 8ACB- 1 ALT. 4543

MAR 23, 1966	+19.	MAR 12, 1969	+18.	MAR 11, 1975	+9.	MAR 01, 1980	+5.
MAR 15, 1967	+12.	MAR 15, 1973	+10.	MAR 04, 1976	+12.	MAR 03, 1981	+14.
MAR 28, 1968	+16.	MAR 21, 1974	+12.	MAR 01, 1979	+8.	MAR 29, 1982	+8.

(D- 6- 2) 8BCA- 6 ALT. 4531

MAR 27, 1958	+37.	MAR 12, 1969	+35.	MAR 24, 1975	+21.	MAR 03, 1981	+22.
MAR 23, 1966	+35.	MAR 25, 1970	+37.	MAR 04, 1976	+24.	MAR 29, 1982	+16.
MAR 15, 1967	+29.	MAR 14, 1973	+24.	MAR 01, 1979	+18.		
MAR 27, 1968	+34.	MAR 21, 1974	+23.	MAR 01, 1980	+20.		

(D- 6- 2) 8BCD- 4 ALT. 4531

MAR 27, 1958	+34.0	MAR 12, 1969	+31.1	MAR 04, 1976	+22.1	MAR 11, 1980	+18.2
MAR 23, 1966	+32.6	MAR 15, 1973	+22.8	MAR 15, 1977	+13.8	MAR 03, 1981	+23.3
MAR 15, 1967	+26.0	MAR 21, 1974	+23.9	MAR 17, 1978	+8.9	MAR 10, 1982	+20.7
MAR 28, 1968	+28.6	MAR 09, 1975	+20.9	MAR 28, 1979	+16.6		

(D- 6- 2) 8CAC- 5 ALT. 4530

MAR 27, 1958	+37.	MAR 12, 1969	+36.	MAR 14, 1973	+25.	MAR 01, 1979	+19.
MAR 23, 1966	+36.	MAR 25, 1970	+4.	MAR 21, 1974	+24.	MAR 01, 1980	+22.
MAR 15, 1967	+30.	MAR 16, 1971	+28.	MAR 09, 1975	+24.	MAR 03, 1981	+27.
MAR 27, 1968	+34.	MAR 17, 1972	+26.	MAR 04, 1976	+26.	MAR 29, 1982	+23.

(D- 6- 2) 8CDA- 1 ALT. 4531

MAR 23, 1966	+31.	MAR 25, 1970	+32.	MAR 04, 1976	+21.	MAR 29, 1982	+16.
MAR 15, 1967	+24.	MAR 14, 1973	+20.	MAR 01, 1979	+18.		
MAR 27, 1968	+27.	MAR 21, 1974	+21.	MAR 01, 1980	+16.		
MAR 12, 1969	+30.	MAR 09, 1975	+19.	MAR 03, 1981	+23.		

(D- 6- 2) 9CCC- 1 ALT. 4575

AUG 25, 1981	-38.83	NOV 17, 1981	-27.94	MAR 22, 1982	-24.94	JUN 30, 1982	-28.42
SEP 11	-34.4	DEC 09	-26.45	APR 08	-24.8	SEP 09	-30.70
30	-34.55	JAN 21, 1982	-25.9	21	-24.57		
OCT 14	-30.8	FEB 16	-25.6	MAY 02	-25.5		
30	-28.8	MAR 04	-25.2	26	-26.24		

(D- 6- 2)12BDB- 1 ALT. 4853

FEB 12, 1981	-300.	JUL 20, 1981	-310.4	NOV 02, 1981	-306.8	MAR 22, 1982	-305.0
MAR 30	-300.81	AUG 11	-314.5	17	-306.7	APR 14	-303.47
MAY 09	-309.15	25	-315.25	DEC 08	-305.4	MAY 05	-304.15
JUN 04	-301.8	SEP 11	-312.4	JAN 21, 1982	-298.9	18	-304.41
22	-303.3	OCT 01	-311.6	FEB 11	-304.7	JUN 30	-305.76
JUL 06	-307.8	14	-309.4	MAR 04	-304.3		

(D- 6- 2)17DDD- 2 ALT. 4540

OCT 10, 1938	+19.8	APR 07, 1964	+9.6	MAY 05, 1981	+6.2	DEC 09, 1981	+8.8
MAR 20, 1943	+15.3	MAR 24, 1965	+16.0	09	+6.2	JAN 21, 1982	+8.7
APR 06	+15.3	MAR 29, 1966	+19.2	30	+7.2	FEB 16	+9.2
MAY 05	+15.1	SEP 16	+8.4	JUN 19	+5.05	MAR 04	+9.2
JUN 03	+14.0	MAR 16, 1967	+14.0	JUL 03	+3.5	22	+10.3
JUL 09	+14.8	MAR 13, 1968	+15.5	AUG 19	-3.59	APR 08	+11.5
AUG 02	+14.2	MAR 07, 1969	+19.3	25	-3.3	MAY 02	+9.5
SEP 06	+12.8	MAR 17, 1970	+21.9	SEP 11	+0.2	26	+9.1
OCT 11	+15.2	MAR 16, 1971	+8.0	29	+0.95	JUN 30	+7.0
NOV 02	+16.1	MAR 08, 1972	+14.1	OCT 14	+4.7		
APR 28, 1947	+22.6	JAN 23, 1981	+14.7	23	+6.2		
MAR 13, 1963	+13.6	MAR 23	+13.5	NOV 17	+7.0		

(D- 6- 2)18AAA- 2 ALT. 4520

MAR 13, 1978	+8.05	APR 30, 1981	+10.2	AUG 11, 1981	+3.6	NOV 17, 1981	+11.2
MAR 15, 1979	+12.51	MAY 09	+11.3	SEP 11	+6.5	DEC 09	+11.2
MAR 06, 1980	+13.1	30	+13.1	30	+6.8	JAN 21, 1982	+12.3
NOV 20	+14.1	JUN 19	+8.7	OCT 14	+9.9	MAR 06	+12.7
MAR 09, 1981	+14.5	JUL 03	+9.6	30	+10.2		

Table 2.--Water levels in selected wells--Continued

(D- 6- 2)18ABB- 2 ALT. 4505

JAN 06, 1943	+23.7	APR 16, 1958	+29.2	MAR 06, 1973	+21.3	OCT 14, 1981	+17.3
FEB 02	+23.6	APR 01, 1964	+22.1	MAR 06, 1974	+23.15	30	+18.3
MAR 06	+22.2	MAR 24, 1965	+27.2	AUG 27, 1980	+16.5	NOV 17	+18.9
APR 02	+23.0	MAR 28, 1966	+29.2	MAR 24, 1981	+23.9	DEC 09	+19.2
MAY 10	+22.8	SEP 16	+20.2	MAY 30	+21.1	JAN 21, 1982	+20.2
JUN 05	+20.6	DEC 16	+25.3	JUN 19	+16.1	FEB 16	+19.2
JUL 24	+22.0	MAR 16, 1967	+25.2	JUL 03	+16.7	MAR 04	+20.0
AUG 07	+20.9	MAR 13, 1968	+27.2	20	+12.9	22	+20.3
SEP 20	+19.6	MAR 07, 1969	+29.3	AUG 11	+12.4	APR 08	+21.0
OCT 09	+20.9	MAR 17, 1970	+29.55	25	+10.9	MAY 02	+20.1
NOV 11	+22.2	MAR 16, 1971	+26.6	SEP 11	+14.2	26	+18.3
APR 23, 1947	+25.2	MAR 09, 1972	+22.9	30	+14.9		

(D- 6- 2)18ADD- 3 ALT. 4516

MAR 05, 1975	+17.8	SEP 30, 1981	+9.6	DEC 09, 1981	+13.8	MAY 02, 1982	+15.0
MAR 27, 1981	+17.1	OCT 14	+11.7	JAN 21, 1982	+14.4	26	+11.4
AUG 17	+5.08	23	+12.9	FEB 16	+14.7	JUN 30	+6.9
25	+5.1	30	+12.9	MAR 04	+15.7		
SEP 11	+9.6	NOV 17	+14.0	22	+15.8		

(D- 6- 2)20ABB- 1 ALT. 4530

MAR 16, 1971	+14.1	MAR 06, 1980	+6.0	AUG 11, 1981	-5.03	FEB 16, 1982	+5.2
MAR 09, 1972	+11.1	MAR 09, 1981	+10.1	15	-5.0	MAR 02	+7.1
MAR 07, 1973	+9.2	MAY 05	+6.6	SEP 11	-2.2	22	+7.1
MAR 07, 1974	+11.05	09	+4.2	30	-1.1	APR 08	+8.0
MAR 05, 1975	+7.55	30	+9.4	OCT 14	+1.8	MAY 26	+5.4
MAR 03, 1976	+12.2	JUN 19	+1.75	30	+3.7	JUN 30	+0.41
MAR 07, 1977	+5.6	JUL 03	+1.7	NOV 17	+4.7	SEP 20	+4.2
MAR 15, 1979	+6.96	20	-2.88	DEC 09	+5.0		

(D- 6- 2)20DAA- 1 ALT. 4517

JUL 29, 1957	+21.4	JUL 03, 1981	+9.0	OCT 14, 1981	+10.5	MAR 22, 1982	+14.2
MAR 31, 1981	+15.7	20	+6.4	30	+13.8	APR 08	+14.3
MAY 05	+9.9	AUG 11	+5.1	NOV 19	+13.0	MAY 02	+13.9
09	+12.7	25	+4.7	DEC 09	+12.6	26	+12.6
30	+15.0	SEP 11	+7.3	JAN 21, 1982	+12.6	JUN 30	+8.5
JUN 19	+10.8	30	+8.6	MAR 04	+13.7		

(D- 6- 2)21BCC- 3 ALT. 4531

JUL 29, 1957	+13.0	MAR 29, 1966	+14.7	MAR 13, 1968	+12.3	MAR 08, 1972	+8.7
MAR 14, 1963	+9.0	SEP 08	+4.2	MAR 07, 1969	+14.2	OCT 23, 1981	+2.5
APR 02, 1964	+7.2	DEC 16	+10.2	MAR 17, 1970	+14.85		
MAR 24, 1965	+11.3	MAR 16, 1967	+9.8	MAR 16, 1971	+11.6		

(D- 6- 2)21CDC- 2 ALT. 4533

AUG 26, 1957	+7.5	SEP 08, 1966	+9.8	MAR 17, 1970	+22.35	MAR 06, 1975	+8.6
MAR 13, 1963	+15.0	DEC 16	+12.6	MAR 16, 1971	+19.4	MAR 04, 1976	+16.3
APR 02, 1964	+10.9	MAR 16, 1967	+13.7	MAR 08, 1972	+16.5	MAR 07, 1977	+6.9
MAR 24, 1965	+17.2	MAR 13, 1968	+19.9	MAR 06, 1973	+12.9	MAR 07, 1978	+3.50
MAR 29, 1966	+17.8	MAR 07, 1969	+15.95	MAR 07, 1974	+14.05		

(D- 6- 2)24ACC- 1 ALT. 4695

MAR 06, 1968	-138.60	MAR 07, 1974	-141.74	MAY 30, 1981	-145.1	NOV 17, 1981	-148.6
NOV 12	-134.87	MAR 06, 1975	-145.75	JUN 22	-148.9	DEC 09	-150.5
DEC 04	-135.23	MAR 03, 1976	-141.90	JUL 06	-153.6	FEB 16, 1982	-147.7
JAN 08, 1969	-135.78	MAR 07, 1977	-155.97	20	-157.1	MAR 02	-147.08
FEB 19	-136.22	MAR 08, 1978	-153.05	AUG 11	-162.3	22	-146.65
MAR 05	-137.23	MAR 15, 1979	-146.28	25	-161.5	MAY 05	-147.0
MAR 18, 1970	-135.53	MAR 06, 1980	-145.45	SEP 11	-156.9	26	-147.11
MAR 16, 1971	-139.70	MAR 09, 1981	-143.46	OCT 01	-156.25	JUN 30	-150.26
MAR 09, 1972	-142.56	APR 30	-145.94	14	-152.9		
MAR 07, 1973	-144.60	MAY 09	-146.34	NOV 02	-149.95		

(D- 6- 2)28ACB- 3 ALT. 4529

APR 15, 1947	+27.0	MAR 1967	+15.7	MAR 16, 1971	+19.1	MAR 06, 1975	+11.65
MAR 30, 1966	+22.6	MAR 13, 1968	+19.3	MAR 08, 1972	+16.0	MAR 04, 1976	+17.85
SEP 08	+11.2	MAR 07, 1969	+21.7	MAR 06, 1973	+13.5	MAR 07, 1977	+9.4
DEC 16	+19.2	MAR 17, 1970	+23.7	MAR 07, 1974	+15.65	MAR 07, 1978	+5.4

Table 2.--Water levels in selected wells--Continued

(D- 6- 2)28ACB- 3 -- CONTINUED

MAR 15, 1979	+11.56	MAR 06, 1980	+13.36	MAR 09, 1981	+16.4	MAR 06, 1982	+11.6

(D- 6- 2)28ACC- 2 ALT. 4520

MAR 24, 1965	+12.8	MAR 13, 1968	+12.75	MAR 06, 1973	+10.3	MAR 07, 1978	+4.30
MAR 30, 1966	+13.6	MAR 07, 1969	+14.4	MAR 07, 1974	+10.95	MAR 15, 1979	+7.87
SEP 08	+5.8	MAR 17, 1970	+15.25	MAR 06, 1975	+8.0	MAR 06, 1980	+7.51
DEC 16	+11.8	MAR 16, 1971	+12.3	MAR 04, 1976	+11.65	MAR 09, 1981	+7.5
MAR 16, 1967	+10.5	MAR 08, 1972	+10.1	MAR 07, 1977	+6.8	MAR 08, 1982	+7.8

(D- 6- 2)28BAD- 1 ALT. 4520

DEC 14, 1935	+7.35	FEB 21, 1939	+14.1	APR 05, 1943	+15.3	APR 20, 1960	+12.4
JAN 22, 1936	+8.05	MAR 10	+13.8	21	+15.2	DEC 09	+10.0
MAR 02	+9.1	30	+13.7	MAY 05	+15.3	MAR 23, 1961	+12.1
MAY 02	+8.5	APR 12	+13.6	12	+15.0	JAN 05, 1962	+7.6
JUN 20	+8.15	MAY 10	+9.8	JUN 03	+13.3	MAR 05	+8.7
AUG 08	+8.4	JUN 01	+12.0	16	+13.5	DEC 06	+11.6
OCT 03	+9.5	JUL 10	+9.3	JUL 01	+13.6	MAR 12, 1963	+11.7
DEC 01	+11.5	AUG 08	+9.0	20	+14.3	AUG 28	+3.80
FEB 03, 1937	+11.5	SEP 05	+8.0	AUG 03	+14.4	DEC 06	+10.3
MAR 03	+11.6	15	+10.0	20	+12.4	MAR 09, 1964	+10.5
APR 14	+12.1	OCT 06	+10.7	SEP 03	+11.5	APR 01	+10.2
JUN 11	+11.9	NOV 15	+11.1	18	+10.8	DEC 09	+12.3
JUL 31	+9.7	DEC 20	+11.85	OCT 01	+13.2	MAR 24, 1965	+15.3
SEP 23	+10.4	FEB 21, 1940	+12.2	14	+12.8	AUG 25	+14.9
NOV 01	+12.5	APR 15	+12.7	NOV 06	+15.1	OCT 13	+17.4
DEC 24	+13.95	17	+12.2	25	+15.4	DEC 14	+17.9
FEB 25, 1938	+14.0	MAY 03	+12.8	DEC 29	+13.6	MAR 30, 1966	+16.0
APR 05	+14.0	15	+10.0	MAR 24, 1944	+12.7	SEP 16	+8.1
MAY 05	+13.3	JUN 12	+10.0	DEC 28	+14.6	DEC 16	+12.7
16	+13.0	JUL 17	+7.6	MAR 29, 1945	+14.6	MAR 16, 1967	+12.8
19	+13.05	AUG 07	+6.6	DEC 18	+17.2	MAR 13, 1968	+14.5
24	+13.5	SEP 23	+8.8	MAR 07, 1946	+16.1	SEP 20	+13.5
JUN 01	+13.0	OCT 23	+9.0	DEC 16	+16.3	MAR 07, 1969	+15.6
08	+10.4	NOV 25	+10.1	APR 08, 1947	+15.1	SEP 04	+11.3
14	+10.9	DEC 23	+10.3	MAY 05	+14.6	MAR 17, 1970	+16.85
23	+11.1	MAR 18, 1941	+11.6	DEC 17	+17.0	SEP 04	+5.9
JUL 04	+11.8	DEC 30	+13.9	MAR 29, 1948	+16.5	MAR 16, 1971	+13.7
14	+11.4	MAR 28, 1942	+13.6	MAR 17, 1949	+15.3	OCT 06	+10.4
21	+11.3	JUN 27	+12.2	DEC 15	+15.2	MAR 08, 1972	+12.9
AUG 05	+10.5	NOV 20	+14.6	MAR 22, 1950	+14.6	SEP 22	+4.80
17	+10.3	27	+15.0	DEC 19	+14.9	MAR 06, 1973	+11.4
25	+9.2	DEC 05	+14.8	APR 04, 1951	+14.8	SEP 05	+7.45
SEP 07	+9.4	11	+15.0	DEC 28	+15.0	MAR 07, 1974	+11.45
19	+10.1	19	+15.1	APR 08, 1952	+14.8	MAR 06, 1975	+9.1
28	+10.3	26	+14.5	DEC 08, 1953	+14.3	MAR 04, 1976	+12.45
OCT 10	+11.4	28	+15.1	MAR 30, 1956	+13.7	AUG 12	+1.70
25	+12.3	JAN 04, 1943	+15.2	DEC 13	+13.6	MAR 07, 1977	+7.9
29	+12.55	20	+15.3	APR 03, 1957	+13.8	MAR 07, 1978	+4.70
NOV 15	+13.0	FEB 06	+15.4	DEC 23	+13.6	AUG 22	+2.80
29	+13.4	16	+15.0	APR 04, 1958	+14.9	MAR 15, 1979	+9.09
DEC 10	+13.8	MAR 05	+15.2	DEC 23	+15.1	OCT 23, 1981	+6.1
JAN 10, 1939	+13.75	18	+15.2	APR 06, 1959	+14.8	MAR 06, 1982	+9.2
FEB 07	+14.1	29	+15.4	DEC 30	+13.0		

(D- 6- 2)28BAD- 2 ALT. 4520

OCT 23, 1981	+6.6	FEB 22, 1982	+9.65	JUL 01, 1982	+5.4	SEP 09, 1982	+4.6

(D- 6- 2)28BBB- 1 ALT. 4512

JUL 20, 1981	-1.24	SEP 30, 1981	-0.35	APR 08, 1982	+1.0	JUN 30, 1982	-0.45
AUG 11	-1.37	OCT 14	+0.4	MAY 02	+1.1	SEP 20	+0.5
26	-1.6	MAR 04, 1982	+1.05	26	+0.5		
SEP 11	-0.74	22	+0.9	JUN 14	+0.7		

(D- 6- 2)28BCD- 1 ALT. 4505

MAR 31, 1981	+16.9	JUL 20, 1981	+7.1	NOV 17, 1981	+13.6	APR 08, 1982	+15.4
MAY 05	+15.1	AUG 11	+6.0	DEC 09	+14.2	MAY 02	+15.2
09	+14.8	SEP 11	+9.1	JAN 21, 1982	+14.2	26	+13.85
30	+16.4	30	+11.3	FEB 16	+13.9	JUL 01	+10.7
JUN 19	+12.4	OCT 14	+11.5	MAR 04	+15.35	SEP 20	+13.6
JUL 03	+8.5	NOV 02	+13.5	22	+15.6		

Table 2.--Water levels in selected wells--Continued

(D- 6- 2)28CAD- 1 ALT. 4513

APR 15, 1947	+19.35	APR 02, 1964	+14.8	MAR 18, 1981	+16.4	OCT 23, 1981	+12.0
APR 05, 1963	+15.5	MAR 24, 1965	+18.6				

(D- 6- 2)28DBA- 3 ALT. 4531

APR 15, 1947	+31.7	MAR 24, 1965	+24.6	SEP 08, 1966	+15.0	MAR 16, 1967	+21.4
MAR 13, 1963	+19.4	MAR 30, 1966	+27.6	DEC 16, 1966	+21.8	MAR 19, 1981	+13.4
APR 02, 1964	+14.9						

(D- 6- 2)28DDD- 2 ALT. 4528

APR 15, 1947	+34.	JUN 19, 1981	+19.9	SEP 30, 1981	+12.9	MAR 22, 1982	+21.65
SEP 26, 1957	+31.8	JUL 03	+15.4	OCT 14	+16.7	APR 08	+21.9
MAR 19, 1981	+24.9	20	+11.1	NOV 02	+18.4	MAY 02	+20.6
MAY 05	+22.4	AUG 11	+6.7	12	+18.5	26	+20.5
09	+22.3	26	+8.5	DEC 09	+19.9	JUN 30	+17.9
30	+23.7	SEP 11	+12.2	MAR 04, 1982	+21.55		

(D- 6- 2)29AAA- 2 ALT. 4510

JUL 20, 1981	-1.31	OCT 14, 1981	-4.94	MAR 04, 1982	-2.77	JUN 14, 1982	-4.11
AUG 11	-3.95	30	-4.48	22	-3.35	30	-3.16
26	-3.48	NOV 12	-4.55	APR 08	-4.0		
SEP 11	-3.6	DEC 09	-4.59	MAY 02	-4.43		
30	-4.87	FEB 16, 1982	-4.2	26	-2.67		

(D- 6- 2)29AAB- 1 ALT. 4505

JUL 20, 1981	-4.10	OCT 14, 1981	-6.05	MAR 04, 1982	-2.5	JUN 14, 1982	-5.08
AUG 11	-4.6	30	-5.1	22	-3.27	30	-5.53
26	-5.2	NOV 12	-4.7	APR 08	-3.80	SEP 20	-6.23
SEP 11	-5.9	DEC 09	-4.29	MAY 02	-4.3		
30	-6.18	FEB 16, 1982	-3.5	26	-3.57		

(D- 6- 2)29ABB- 1 ALT. 4495

JUL 20, 1981	-0.8	OCT 14, 1981	-0.64	MAR 04, 1982	+0.3	JUN 14, 1982	-0.2
AUG 11	-1.47	30	-0.35	22	+0.2	30	-0.2
26	-0.91	NOV 12	-0.2	APR 08	+0.15		
SEP 11	-1.08	DEC 09	-0.27	MAY 02	+0.3		
30	-1.2	FEB 16, 1982	-0.1	26	-0.1		

(D- 6- 3) 7CCC- 1 ALT. 4784

JUL 12, 1956	-194.	OCT 15, 1971	-187.	OCT 10, 1973	-185.	OCT 24, 1975	-184.
MAY 02, 1969	-186.	NOV 19	-187.	NOV 07	-182.	NOV 14	-187.
MAR 16, 1970	-190.	DEC 17	-190.	21	-185.	DEC 05	-187.
APR 02	-191.	JAN 20, 1972	-190.	DEC 05	-188.	FEB 22, 1976	-189.
17	-190.	MAR 30	-184.	JAN 16, 1974	-189.	MAR 01	-187.
MAY 15	-191.	APR 07	-186.	FEB 27	-188.	MAY 01	-186.
JUN 05	-186.	21	-187.	MAR 06	-187.	FEB 01, 1977	-187.
JUL 10	-185.	JUN 30	-189.	APR 24	-188.	MAY 08	-188.
AUG 03	-190.	JUL 10	-188.	MAY 31	-183.	SEP 29	-192.
SEP 09	-190.	AUG 02	-187.	JUN 25	-183.	DEC 01	-185.
OCT 05	-190.	14	-186.	JUL 20	-186.	JAN 12, 1978	-186.
DEC 16	-189.	SEP 08	-186.	NOV 13	-187.	APR 24	-187.
FEB 01, 1971	-191.	OCT 27	-188.	JAN 03, 1975	-189.	MAY 19	-188.
MAR 08	-190.	NOV 10	-188.	FEB 03	-190.	JUN 28	-184.
APR 22	-184.	JAN 16, 1973	-188.	MAR 04	-190.	AUG 24	-188.
MAY 12	-188.	FEB 08	-189.	APR 02	-190.	SEP 29	-185.
28	-187.	MAR 18	-189.	09	-189.	OCT 28	-186.
JUN 30	-186.	26	-189.	MAY 28	-189.	DEC 28	-187.
JUL 08	-187.	MAY 12	-186.	JUL 09	-180.	MAR 27, 1979	-188.
AUG 11	-189.	JUN 08	-183.	25	-184.	MAR 25, 1981	-187.07
SEP 17	-189.	AUG 15	-181.	AUG 12	-187.	MAR 08, 1982	-189.12
OCT 01	-188.	SEP 12	-188.	SEP 12	-183.		

(D- 6- 3)18DCC- 1 ALT. 4880

APR 30, 1980	-277.2	JUL 06, 1981	-276.8	OCT 14, 1981	-276.1	MAR 04, 1982	-275.1
MAR 25, 1981	-276.07	20	-276.2	NOV 02	-276.2	22	-276.2
MAY 05	-275.9	AUG 11	-276.1	17	-275.7	MAY 05	-275.5
09	-276.3	25	-276.0	DEC 08	-275.8	26	-274.83
30	-276.0	SEP 11	-276.1	JAN 21, 1982	-275.1	JUN 30	-275.02
JUN 22	-276.1	OCT 01	-276.05	FEB 11	-275.6		

(D- 6- 3)31CAB- 2 ALT. 4670

NOV 12, 1957	-87.48	APR 16, 1958	-87.60	JUL 02, 1958	-86.56	OCT 20, 1958	-89.40
DEC 03	-87.45	MAY 12	-88.17	AUG 05	-88.46	MAR 24, 1981	-105.5
MAR 11, 1958	-87.66	JUN 09	-85.50	SEP 30	-89.23		

(D- 7- 2) 2DDA- 1 ALT. 4535

AUG 20, 1957	+13.8	DEC 16, 1966	+11.8	MAR 07, 1973	+8.9	MAR 03, 1980	+8.2
APR 17, 1958	+19.6	MAR 17, 1967	+10.6	MAR 07, 1974	+11.2	MAR 02, 1981	+9.9
MAR 14, 1963	+9.9	MAR 13, 1968	+11.5	MAR 06, 1975	+6.15	OCT 21	+2.7
APR 02, 1964	+7.2	MAR 11, 1969	+14.5	MAR 04, 1976	+11.65	MAR 02, 1982	+6.4
MAR 24, 1965	+11.8	MAR 17, 1970	+16.6	MAR 07, 1977	+3.20		
MAR 30, 1966	+15.3	MAR 17, 1971	+13.4	MAR 08, 1978	+1.90		
SEP 07	+0.55	MAR 09, 1972	+11.0	MAR 15, 1979	+6.25		

(D- 7- 2) 3ADA- 4 ALT. 4523

AUG 22, 1957	+26.0	MAR 13, 1963	+21.9	MAR 26, 1981	+18.5	OCT 23, 1981	+12.4
APR 17, 1958	+31.7						

(D- 7- 2) 3ADD- 5 ALT. 4520

AUG 22, 1957	+8.0	APR 02, 1964		MAR 24, 1965	+15.1	MAR 26, 1981	+22.3
APR 02, 1963	+23.4						

(D- 7- 2) 3CCA- 1 ALT. 4498

APR 10, 1947	+30.9	MAR 30, 1966	+30.8	MAR 17, 1971	+29.0	FEB 25, 1981	+33.5
AUG 21, 1957	+28.7	SEP 07	+19.9	MAR 08, 1972	+28.0	MAR 25	+28.3
APR 17, 1958	+29.6	MAR 16, 1967	+28.4	MAR 07, 1973	+26.4	MAR 09, 1982	+26.3
MAR 14, 1963	+25.4	MAR 13, 1968	+28.5	MAR 07, 1974	+28.1		
APR 02, 1964	+25.4	MAR 11, 1969	+30.6	MAR 06, 1975	+25.1		
MAR 24, 1965	+30.7	MAR 17, 1970	+31.65	MAR 04, 1976	+28.45		

(D- 7- 2) 3DAD- 1 ALT. 4515

AUG 12, 1957	+6.6	MAR 13, 1968	+14.2	MAR 07, 1973	+12.7	MAR 08, 1978	+8.5
MAR 30, 1966	+16.5	MAR 11, 1969	+16.7	MAR 07, 1974	+14.45	MAR 15, 1979	+10.71
SEP 08	+5.6	MAR 17, 1970	+18.35	MAR 06, 1975	+11.55	MAR 03, 1980	+11.4
DEC 16	+12.9	MAR 17, 1971	+16.1	MAR 04, 1976	+14.3	MAR 02, 1981	+13.6
MAR 16, 1967	+14.0	MAR 08, 1972	+14.5	MAR 07, 1977	+9.2	MAR 02, 1982	+10.7

(D- 7- 2) 3DCB- 1 ALT. 4504

SEP 19, 1938	+20.1	SEP 11, 1939	+20.4	SEP 25, 1940	+21.1	SEP 04, 1943	+18.9
OCT 06	+21.2	OCT 05	+23.8	OCT 17	+21.3	OCT 01	+20.6
NOV 03	+25.4	NOV 15	+24.1	NOV 19	+22.5	NOV 06	+26.4
DEC 10	+26.1	DEC 20	+25.0	JAN 07, 1941	+24.1	MAR 28, 1944	+25.27
JAN 31, 1939	+26.9	JAN 27, 1940	+25.3	JAN 04, 1943	+27.9	APR 10, 1947	+28.1
FEB 14	+26.3	FEB 19	+25.9	FEB 06	+27.8	MAR 14, 1963	+22.3
MAR 10	+26.6	MAR 20	+26.5	MAR 05	+27.9	APR 02, 1964	+21.4
APR 12	+26.1	APR 13	+26.1	APR 05	+27.3	MAR 24, 1965	+26.4
MAY 10	+19.9	MAY 02	+26.2	MAY 05	+26.8	FEB 25, 1981	+27.0
JUN 14	+19.7	JUN 12	+21.3	JUN 03	+21.4	MAR 25	+22.2
JUL 10	+15.9	JUL 17	+15.6	JUL 01	+20.0		
AUG 07	+18.5	AUG 07	+15.5	AUG 06	+22.6		

(D- 7- 2) 4ADC- 1 ALT. 4493

SEP 22, 1958	+27.4	OCT 10, 1958	+31.4	OCT 16, 1958	+30.6	FEB 22, 1982	+28.7
30	+29.05	11	+31.4	17	+29.8	JUL 01	+21.8
OCT 03	+29.8	13	+31.5	18	+29.6		
07	+31.5	14	+31.4	20	+29.4		
09	+31.3	15	+31.4	OCT 09, 1981	+24.4		

(D- 7- 2) 4CBA- 2 ALT. 4490

MAR 24, 1964	+33.0	MAR 17, 1966	+37.4	FEB 22, 1982	+30.9	JUL 01, 1982	+26.1
MAR 24, 1965	+33.0	OCT 15, 1981	+19.6				

Table 2.--Water levels in selected wells--Continued

(D- 7- 2) 4CBB- 2 ALT. 4490

AUG 22, 1957	+26.2	MAR 16, 1967	+32.0	MAR 07, 1974	+31.0	AUG 27, 1980	+19.
MAR 14, 1963	+29.5	MAR 13, 1968	+32.4	MAR 06, 1975	+28.2	MAR 02, 1981	+30.6
APR 02, 1964	+27.8	MAR 11, 1969	+33.9	MAR 04, 1976	+30.5	OCT 12	+25.4
MAR 24, 1965	+32.6	MAR 17, 1970	+34.05	MAR 07, 1977	+27.6	MAR 02, 1982	+28.6
MAR 30, 1966	+33.5	MAR 17, 1971	+31.6	MAR 08, 1978	+25.9	SEP 20	+26.3
SEP 07	+20.9	MAR 08, 1972	+31.3	MAR 15, 1979	+28.37		
DEC 16	+30.5	MAR 07, 1973	+29.4	MAR 03, 1980	+28.3		

(D- 7- 2) 4CBC- 1 ALT. 4490

AUG 25, 1938	+16.7	FEB 06, 1943	+29.7	MAR 13, 1968	+33.8	JUL 03, 1981	+16.8
SEP 29	+19.8	MAR 05	+28.8	MAR 11, 1969	+35.6	20	+20.65
OCT 13	+23.4	APR 05	+28.7	MAR 17, 1970	+36.3	AUG 11	+17.5
29	+26.0	MAY 05	+29.0	MAR 17, 1971	+33.2	SEP 11	+23.7
NOV 03	+26.2	JUN 03	+23.2	MAR 08, 1972	+31.7	OCT 01	+24.7
DEC 15	+27.9	JUL 08	+21.7	MAR 07, 1973	+31.0	14	+27.6
JAN 31, 1939	+28.3	AUG 06	+21.4	MAR 07, 1974	+32.55	19	+26.6
FEB 21	+28.1	SEP 18	+23.6	MAR 06, 1975	+30.6	NOV 17	+28.9
MAR 20	+28.3	OCT 01	+25.7	MAR 04, 1976	+33.1	DEC 09	+29.5
APR 12	+26.7	MAR 28, 1944	+28.7	MAR 07, 1977	+29.2	JAN 21, 1982	+30.0
MAY 15	+23.0	MAY 13, 1958	+32.5	MAR 08, 1978	+27.6	FEB 16	+30.1
29	+25.0	MAR 14, 1963	+31.2	MAR 15, 1979	+30.21	MAR 02	+30.85
JUL 10	+13.8	APR 02, 1964	+29.2	MAR 03, 1980	+29.95	22	+31.2
31	+18.9	MAR 24, 1965	+33.1	MAR 02, 1981	+32.0	APR 08	+31.3
SEP 15	+25.3	MAR 30, 1966	+35.2	APR 30	+31.1	MAY 05	+30.9
NOV 15	+26.8	SEP 07	+22.2	MAY 09	+30.6	26	+29.7
DEC 27	+28.2	DEC 16	+32.3	30	+31.1	JUN 30	+23.5
JAN 04, 1943	+29.6	MAR 16, 1967	+32.8	JUN 19	+26.25		

(D- 7- 2) 4CDB- 1 ALT. 4489

MAR 26, 1981	+29.0	JUL 20, 1981	+19.05	OCT 19, 1981	+24.6	MAR 22, 1982	+32.0
APR 30	+27.4	AUG 11	+17.3	NOV 17	+25.0	APR 08	+32.0
MAY 09	+27.4	26	+15.0	DEC 09	+30.2	MAY 05	+31.45
30	+29.7	SEP 11	+22.2	JAN 21, 1982	+30.9	26	+30.3
JUN 19	+24.2	OCT 01	+26.1	FEB 16	+31.1	JUN 18	+29.3
JUL 03	+17.7	14	+24.6	MAR 04	+30.65	30	+23.2

(D- 7- 2) 4DDA- 1 ALT. 4492

MAY 19, 1958	+29.6	OCT 09, 1958	+32.3	OCT 14, 1958	+32.3	OCT 18, 1958	+29.7
SEP 30	+30.0	10	+32.5	15	+32.1	20	+30.2
OCT 03	+31.2	11	+32.6	16	+32.5	OCT 23, 1981	+22.3
07	+32.5	13	+32.4	17	+30.8		

(D- 7- 2) 4DDA-11 ALT. 4495

SEP 25, 1958	+26.6	OCT 09, 1958	+28.3	OCT 14, 1958	+28.9	OCT 18, 1958	+27.3
30	+27.7	10	+28.7	15	+28.8	20	+27.2
OCT 03	+27.2	11	+28.9	16	+28.3	OCT 21, 1981	+21.2
07	+28.7	13	+28.8	17	+27.7		

(D- 7- 2) 9ABB- 1 ALT. 4489

MAR 25, 1981	+33.3	JUL 20, 1981	+18.7	OCT 30, 1981	+29.1	MAR 22, 1982	+31.9
MAY 05	+31.7	AUG 11	+16.6	NOV 12	+29.1	APR 08	+31.9
09	+28.9	26	+15.5	DEC 09	+30.0	MAY 05	+31.9
30	+31.9	SEP 11	+24.4	JAN 21, 1982	+31.0	26	+30.5
JUN 19	+26.25	OCT 01	+26.4	FEB 16	+30.9	JUN 30	+23.8
JUL 03	+17.3	14	+29.1	MAR 04	+31.6		

(D- 7- 2)10ADC- 3 ALT. 4495

APR 10, 1947	+36.9	MAR 13, 1968	+27.8	MAR 07, 1974	+31.7	MAR 03, 1980	+26.25
MAR 24, 1965	+28.2	MAR 11, 1969	+30.1	MAR 06, 1975	+29.75	MAR 02, 1981	+26.4
MAR 30, 1966	+33.2	MAR 17, 1970	+35.45	MAR 04, 1976	+32.05	OCT 19	+20.8
SEP 07	+20.8	MAR 17, 1971	+30.9	MAR 07, 1977	+27.0	MAR 02, 1982	+23.5
DEC 16	+29.2	MAR 08, 1972	+29.9	MAR 08, 1978	+24.8		
MAR 17, 1967	+28.7	MAR 07, 1973	+30.3	MAR 15, 1979	+25.43		

Table 2.--Water levels in selected wells--Continued

(D- 7- 2)11CAA- 1 ALT. 4507

APR 28, 1947	+28.8	DEC 16, 1966	+25.8	MAR 08, 1972	+23.9	MAR 08, 1978	+18.9
APR 04, 1963	+26.6	MAR 17, 1967	+23.25	MAR 07, 1973	+19.2	MAR 15, 1979	+20.96
APR 02, 1964	+22.1	MAR 13, 1968	+24.6	MAR 07, 1974	+24.5	MAR 03, 1980	+20.7
MAR 24, 1965	+26.6	MAR 11, 1969	+27.3	MAR 06, 1975	+23.25	MAR 02, 1981	+24.15
MAR 30, 1966	+26.9	MAR 17, 1970	+28.95	MAR 04, 1976	+25.5	MAR 02, 1982	+21.0
SEP 07	+16.5	MAR 17, 1971	+26.8	MAR 07, 1977	+19.4		

(D- 7- 2)11DDC- 1 ALT. 4503

AUG 22, 1957	+20.5	DEC 16, 1966	+19.3	MAR 09, 1972	+16.3	MAR 08, 1978	+15.9
APR 04, 1963	+18.2	MAR 17, 1967	+19.4	MAR 07, 1973	+16.1	MAR 15, 1979	+17.98
APR 02, 1964	+17.0	MAR 13, 1968	+12.7	MAR 07, 1974	+19.25	MAR 03, 1980	+18.35
MAR 24, 1965	+19.5	MAR 11, 1969	+13.7	MAR 06, 1975	+16.8	MAR 02, 1981	+18.6
MAR 30, 1966	+19.4	MAR 17, 1970	+16.8	MAR 04, 1976	+18.25	OCT 21	+15.8
SEP 07	+18.4	MAR 17, 1971	+15.8	MAR 07, 1977	+16.05	MAR 02, 1982	+17.4

(D- 7- 2)11DDC- 2 ALT. 4503

APR 29, 1947	+37.6	SEP 07, 1966	+35.9	MAR 17, 1969	+36.7	MAR 06, 1975	+24.8
APR 02, 1963	+32.	DEC 16	+29.7	MAR 17, 1971	+33.8	FEB 25, 1981	+35.0
APR 02, 1964	+30.2	MAR 17, 1967	+31.7	MAR 09, 1972	+30.9	MAR 25	+29.5
MAR 24, 1965	+32.3	MAR 13, 1968	+33.3	MAR 07, 1973	+28.8	OCT 21	+23.5
MAR 30, 1966	+35.9	MAR 11, 1969	+34.0	MAR 07, 1974	+29.45		

(D- 7- 2)13BAC- 1 ALT. 4499

DEC 15, 1980	+38.2	JUL 03, 1981	+26.4	OCT 14, 1981	+30.5	MAR 04, 1982	+35.25
MAR 25, 1981	+37.9	20	+24.5	30	+32.4	22	+35.2
APR 30	+34.8	AUG 11	+20.0	NOV 17	+32.9	APR 08	+35.4
MAY 09	+34.6	25	+22.7	DEC 08	+34.0	MAY 02	+33.4
30	+36.8	SEP 11	+26.1	JAN 21, 1982	+33.9		
JUN 22	+31.1	OCT 01	+26.3	FEB 16	+34.5		

(D- 7- 2)34DCD- 1 ALT. 4506

SEP 21, 1959	+9.8	OCT 20, 1964	+6.2	MAR 17, 1970	+9.75	MAR 07, 1973	+9.9
APR 02, 1964	+8.9	MAR 05, 1965	+8.3	24	+9.55	MAR 26, 1981	+8.4
MAY 13	+8.0	JUN 23	+7.6	MAR 17, 1971	+9.7	MAR 12, 1982	+9.35
AUG 03	+7.3	MAR 11, 1969	+9.15	MAR 09, 1972	+10.2		

(D- 7- 2)36DCC- 2 ALT. 4502

SEP 07, 1938	+13.0	DEC 29, 1943	+14.7	DEC 08, 1953	+15.1	AUG 27, 1963	+10.4
DEC 12	+13.4	MAR 24, 1944	+15.3	MAR 24, 1954	+17.4	DEC 16	+15.0
JAN 30, 1939	+14.2	DEC 27	+14.0	DEC 29	+14.5	MAR 11, 1964	+15.9
MAR 17	+15.0	MAR 30, 1945	+15.2	APR 22, 1955	+15.3	APR 09	+14.6
APR 13	+15.3	DEC 17	+16.4	DEC 22	+13.8	JUN 01	+15.1
JUN 13	+15.0	MAR 07, 1946	+17.0	MAR 30, 1956	+16.9	JUL 09	+13.6
AUG 03	+11.9	DEC 17	+18.4	DEC 19	+14.9	AUG 03	+12.7
OCT 17	+12.3	APR 07, 1947	+18.0	APR 01, 1957	+17.2	SEP 01	+8.6
JAN 04, 1940	+15.0	DEC 17	+17.2	DEC 06	+16.5	DEC 03	+12.1
FEB 28	+16.2	MAR 30, 1948	+17.9	MAR 18, 1958	+18.1	MAR 01, 1965	+15.9
APR 13	+16.1	DEC 23	+15.7	DEC 04	+15.3	OCT 06	+14.4
MAY 02	+17.	MAR 17, 1949	+17.2	MAR 18, 1959	+16.3	DEC 28	+6.5
JUN 17	+13.6	DEC 16	+17.1	DEC 24	+14.5	MAR 24, 1966	+6.2
JAN 21, 1941	+14.3	MAR 23, 1950	+17.1	MAR 23, 1960	+15.6	AUG 17	+3.4
MAR 18	+15.55	DEC 19	+16.7	DEC 09	+14.1	DEC 20	+3.4
DEC 11	+13.8	APR 04, 1951	+18.5	MAR 23, 1961	+15.9	MAR 27, 1967	+6.2
MAR 27, 1942	+15.4	DEC 26	+18.3	JAN 05, 1962	+14.2	OCT 02, 1968	+10.9
JUN 27	+13.9	APR 08, 1952	+18.1	MAR 06	+14.6	MAR 26, 1981	+12.8
DEC 26	+15.2	DEC 11	+18.2	DEC 06	+15.6	MAR 11, 1982	+13.3
MAR 29, 1943	+17.0	APR 21, 1953	+18.8	MAR 12, 1963	+16.9		

(D- 7- 3) 6CDC- 3 ALT. 4545

MAR 24, 1965	+13.4	MAR 11, 1969	+13.2	MAR 07, 1974	+10.3	MAR 03, 1980	+7.8
MAR 28, 1966	+16.1	MAR 17, 1970	+17.2	MAR 06, 1975	+6.2	MAR 02, 1981	+8.55
SEP 21	+5.9	MAR 17, 1971	+12.5	MAR 04, 1976	+12.1	MAR 02, 1982	+4.70
MAR 17, 1967	+10.6	MAR 09, 1972	+9.9	MAR 08, 1977	+1.50		
MAR 13, 1968	+11.1	MAR 07, 1973	+7.9	MAR 15, 1979	+5.32		

Table 2.--Water levels in selected wells--Continued

(D- 7- 3) 7ADC- 1 ALT. 4568

FEB 04, 1965	-31.84	JUL 06, 1981	-23.27	OCT 14, 1981	-31.36	MAR 04, 1982	-32.5
MAR 05	-50.54 P	20	-24.95	30	-30.15	23	-31.98
MAR 24, 1981	-32.03	AUG 11	-26.97	NOV 12	-29.9	MAY 26	-8.58
MAY 07	-28.3	25	-26.87	DEC 08	-32.13	JUN 30	-14.11
JUN 04	-22.0	SEP 11	-28.12	JAN 21, 1982	-31.8		
22	-22.4	29	-28.0	FEB 16	-32.57		

(D- 7- 3) 7BBD- 3

AUG 15, 1957	+17.0	DEC 16, 1966	+11.6	MAR 09, 1972	+9.8	MAR 15, 1979	+5.86
APR 04, 1963	+7.9	MAR 17, 1967	+10.5	MAR 07, 1973	+8.3	MAR 03, 1980	+7.8
APR 02, 1964	+6.2	MAR 13, 1968	+12.1	MAR 07, 1974	+10.9	MAR 02, 1981	+9.2
MAR 24, 1965	+13.8	MAR 11, 1969	+14.0	MAR 06, 1975	+6.6	MAR 02, 1982	+5.65
MAR 30, 1966	+15.6	MAR 17, 1970	+17.45	MAR 04, 1976	+12.5		
SEP 07	+2.93	MAR 17, 1971	+13.3	MAR 08, 1977	+2.50		

(D- 7- 3)28BDB- 1 ALT. 4520

MAR 30, 1964	+19.4	MAR 03, 1965	+20.9	MAR 19, 1968	+19.0	AUG 18, 1975	+28.1
MAY 11	+21.1	APR 05	+21.3	OCT 11	+23.8	MAR 04, 1976	+22.2
JUN 17	+23.8	MAY 03	+21.9	MAR 11, 1969	+22.4	AUG 12	+23.0
JUL 09	+24.8	JUN 07	+26.0	SEP 03	+24.4	MAR 07, 1977	+21.35
21	+24.4	JUL 02	+26.8	MAR 17, 1970	+22.4	AUG 10	+20.25
AUG 03	+24.6	OCT 06	+25.1	24	+22.4	MAR 08, 1978	+20.3
SEP 01	+23.2	DEC 27	+23.3	SEP 08	+23.6	AUG 22	+24.5
OCT 05	+22.5	MAR 21, 1966	+20.8	MAR 17, 1971	+21.4	MAR 15, 1979	+22.24
06	+22.3	24	+21.6	OCT 06	+24.2	SEP 18	+24.8
NOV 02	+22.2	JUL 27	+23.5	MAR 09, 1972	+22.2	MAR 06, 1980	+22.25
04	+22.3	AUG 04	+22.4	SEP 26	+22.0	SEP 03	+25.75
DEC 03	+21.7	17	+22.3	MAR 12, 1973	+21.8	MAR 02, 1981	+22.2
JAN 05, 1965	+21.2	DEC 20	+21.6	SEP 05	+26.1	SEP 03	+23.7
FEB 01	+21.8	JAN 21, 1967	+21.0	MAR 07, 1974	+22.4		
MAR 01	+21.3	MAR 27	+20.6	MAR 06, 1975	+21.7		

(D- 7- 3)33BAA- 6 ALT. 4560

JUL 31, 1935	+7.2	OCT 27, 1939	+7.8	DEC 28, 1951	+11.3	MAY 03, 1965	+7.9
AUG 31	+6.8	JAN 09, 1940	+8.0	APR 08, 1952	+10.5	JUN 07	+10.1
OCT 07	+6.2	FEB 29	+8.3	DEC 11	+17.3	JUL 02	+11.3
NOV 19	+6.2	MAR 16	+8.1	APR 21, 1953	+14.0	OCT 06	+12.0
DEC 14	+6.2	APR 13	+7.9	DEC 08	+12.5	20	+11.9
JAN 22, 1936	+6.2	19	+8.0	MAR 24, 1954	+11.7	DEC 28	+10.3
MAR 02	+6.4	MAY 02	+8.4	DEC 29	+10.0	MAR 24, 1966	+8.8
MAY 02	+7.25	17	+9.0	APR 22, 1955	+9.6	AUG 17	+5.3
JUN 20	+8.7	JUN 17	+9.5	DEC 22	+9.6	OCT 02, 1968	+11.3
AUG 08	+9.0	JUL 23	+9.3	MAR 30, 1956	+9.2	MAR 11, 1969	+10.4
OCT 03	+8.7	AUG 13	+8.9	DEC 19	+9.5	SEP 03	+11.4
DEC 01	+8.0	SEP 24	+8.2	APR 01, 1957	+9.9	MAR 17, 1970	+10.7
FEB 03, 1937	+7.1	NOV 29	+8.6	DEC 06	+11.6	SEP 08	+9.1
MAR 03	+7.2	DEC 20	+8.6	MAR 18, 1958	+11.0	MAR 17, 1971	+9.4
APR 13	+7.3	MAR 18, 1941	+8.2	DEC 04	+13.8	OCT 06	+11.7
JUN 11	+9.5	DEC 10	+10.6	MAR 18, 1959	+11.9	MAR 09, 1972	+9.9
AUG 01	+9.6	27	+9.0	DEC 24	+8.9	SEP 26	+7.4
SEP 23	+8.95	29	+10.2	MAR 23, 1960	+8.6	MAR 07, 1973	+8.9
NOV 01	+8.8	MAR 27, 1942	+8.8	DEC 09	+8.7	SEP 05	+11.5
MAY 17, 1938	+8.6	JUN 27	+12.4	MAR 23, 1961	+7.1	MAR 07, 1974	+11.1
JUN 02	+9.6	DEC 26	+11.3	JAN 05, 1962	+6.8	MAR 06, 1975	+9.8
08	+10.1	MAR 29, 1943	+9.7	MAR 06	+7.1	AUG 18	+14.4
AUG 26	+9.8	DEC 29	+9.0	DEC 06	+9.7	MAR 04, 1976	+11.6
SEP 14	+9.6	MAR 24, 1944	+8.4	MAR 07, 1963	+8.9	AUG 12	+6.15
27	+9.4	DEC 27	+10.7	AUG 27	+5.6	MAR 07, 1977	+8.9
OCT 06	+9.2	MAR 29, 1945	+9.8	DEC 16	+7.7	AUG 10	+3.20
24	+9.4	DEC 17	+11.7	APR 09, 1964	+6.2	MAR 08, 1978	+5.5
29	+9.4	MAR 07, 1946	+10.7	MAY 28	+7.2	AUG 22	+7.9
DEC 16	+9.2	DEC 17	+11.5	JUL 09	+7.3	MAR 15, 1979	+8.32
23	+9.1	APR 07, 1947	+10.6	AUG 03	+7.4	SEP 18	+9.7
JAN 30, 1939	+8.7	DEC 17	+11.3	SEP 01	+6.4	MAR 06, 1980	+8.3
FEB 21	+8.4	MAR 30, 1948	+10.0	OCT 05	+7.0	SEP 03	+10.6
MAR 24	+8.0	DEC 23	+10.9	NOV 02	+7.7	MAR 02, 1981	+9.25
APR 13	+8.1	MAR 17, 1949	+9.6	DEC 03	+7.9	SEP 03	+6.8
MAY 09	+8.7	DEC 16	+11.1	JAN 05, 1965	+8.0	MAR 02, 1982	+9.0
JUN 13	+9.0	MAR 22, 1950	+9.9	FEB 01	+8.3	SEP 20	+14.5
AUG 02	+8.5	DEC 19	+11.3	MAR 01	+7.9		
SEP 21	+8.1	APR 04, 1951	+9.7	APR 05	+7.7		

Table 2.--Water levels in selected wells--Continued

(D- 7- 3)33CCC- 5 ALT. 4567

AUG 06, 1938	+9.2	JAN 09, 1940	+7.4	JAN 05, 1965	+8.0	MAR 19, 1968	+8.1
25	+8.8	FEB 29	+7.7	FEB 01	+8.4	MAR 11, 1969	+11.3
SEP 25	+8.7	APR 19	+7.1	MAR 01	+8.0	MAR 24, 1970	+12.1
OCT 06	+8.4	MAY 17	+7.6	APR 05	+8.3	MAR 17, 1971	+10.9
24	+8.5	AUG 13	+7.6	MAY 03	+7.9	MAR 09, 1972	+10.9
29	+8.6	OCT 01	+7.1	JUN 07	+9.5	MAR 12, 1973	+10.5
NOV 18	+8.6	NOV 29	+7.7	JUL 02	+10.7	MAR 07, 1974	+12.25
JAN 30, 1939	+8.0	DEC 20	+7.7	OCT 05	+13.8	MAR 07, 1975	+11.7
FEB 21	+7.8	DEC 09, 1941	+8.3	DEC 28	+12.0	MAR 04, 1976	+13.35
MAR 24	+7.2	JUN 07, 1964	+9.5	MAR 24, 1966	+10.5	MAR 07, 1977	+10.2
APR 13	+7.0	AUG 05	+5.7	AUG 13	+4.2	MAR 08, 1978	+3.50
MAY 19	+7.9	SEP 01	+5.5	DEC 20	+7.9	MAR 15, 1979	+9.12
JUN 13	+7.9	OCT 05	+5.9	JAN 21, 1967	+7.6	MAR 06, 1980	+9.15
AUG 08	+7.6	NOV 02	+6.8	FEB 21	+6.2	MAR 02, 1981	+10.65
SEP 21	+7.3	DEC 03	+8.0	MAR 27	+7.1	MAR 02, 1982	+10.15

Table 3.—Discharge of selected wells

Location: See text for explanation of numbering system for hydrologic-data sites.
Depth: Finished depth; drilled depth may be greater.
Casing: Finish; O, open end; P, perforated; perforation interval is given in feet below land surface, if known, and questioned (?) if lower limit of perforations is unknown.
Discharge: F, natural flow; P, pumped; measured except where indicated e, estimated.

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(C-5-1) 12dcc-1	133	5	P127-?	4-in. pipe	9-17-35	385F
					1939	370F
					10-11-63	265F
					8- 3-64	300F
					9-25-64	275F
					3-18-65	430F
					8-25-65	340F
					10-22-81	360F
					3- 1-82	365F
					6-17-82	300F
					9- 9-82	310F
13dac-5	157	3	—	3-in. pipe	8- 3-64	82F
					9-25-64	75F
					3-18-65	150F
					8-25-65	110F
					3-10-66	75F,e
					10-21-81	100F
25abc-3	193	3	O	3-in. pipe	8- 3-64	15F
					9-25-64	14F
					3-18-65	14F
					8-25-65	13F
					3-22-66	14F
					3- 9-67	15F
					8-31-67	11F
					10-22-81	14F
(D-4-1) 31cbb-2	490	12, 8	P170-490	8-in. pipe	8-15-73	720P
					9- 1-74	680P
					8-19-76	590P
					8-26-81	500P
32dbb-1	398	12	P175-324	11.25-in. pipe	7-11-66	700P,e
					8-14-67	520P
				Sprinklers	8-27-81	380P
35baa-1	500	16, 14	P160-500	10.25-in. pipe	7-13-65	700P
					8-14-67	1,070P
					7-12-73	1,130P
				Sprinklers	7-22-80	570P

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-4-1) 36cab-1	500	20, 16	P320-490	10.12-in. pipe	9- 3-63	1,300P
					8-14-72	1,470P
					9-11-74	1,510P
					8-18-76	1,540P
					8- 9-77	1,480P
					9- 1-81	1,790P
(D-4-2) 31acd-1	595	16	P387-?	9.5-in. pipe	9- 3-63	780P
					9-11-74	790P
					8-25-76	600P
					8-25-81	880P
(D-5-1) 1aaa-1	507	16	P340-500	10.5-in. pipe	9- 3-63	1,520P
					7-11-66	1,660P
					7- 8-68	2,410P
					8-14-72	2,440P
					7-12-73	2,580P
					9-11-74	1,570P
					8-18-76	960P
					8-28-78	1,380P
					7-19-79	1,720P
					7-14-81	1,770P
8acc-1	506	16	P315-503	12-in. pipe	8- 8-77	2,330P
					4-13-82	2,850P
8ddd-1	300	2	—	Faucet	1939	1F
					10-11-63	No flow
					11- 2-81	2.7F
9dcc-6	121	4, 2	P119-?	2-in. pipe	8- 7-64	20F
					9-25-64	17F
					3-19-65	38F
					8-25-65	31F
					3-15-66	52F
					9- 9-66	18F
					3-14-67	38F
					9- 1-67	23F
					10-23-81	35F
					3- 8-82	41F
16cbc-1	150	2	—	1.75 in.-pipe	8-25-65	15F
					3-15-66	21F
					10-23-81	18F

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-5-1) 16ccb-4	293	3	P287-?	4-in. pipe	8- 5-64	110F
					9-25-64	95F
					3-15-66	250F
					9- 9-66	95F
					3- 9-67	170F
					10-23-81	145F
					3- 1-82	145F
					6-18-82	135F
					9- 9-82	160F
17acb-5	150	2	—	Faucet	1939	5F
					10-11-63	No flow
					10-23-81	13F
18acb-1	190	2	O	Three faucets	9-20-34	13F
					10-25-34	18F
					9-11-35	10F
					1939	4F
					10- 1-63	1.2F
					8- 3-64	6.5F
					9-25-64	No flow
					3-18-65	30F
					8-25-65	20F
					3-10-66	43F
					9- 8-66	No flow
					10-22-81	9F
18bab-2	392	8	P200-?	6-in. pipe	8-19-76	260P
					8-29-78	100F,e
19acb-2	144	4	P136-144	4.12-in. pipe	10-15-81	125F
					2-22-82	150F
					6-17-82	85F
19bca-1	231	4	P145-150, 187-191, 223-231	4.0-in. pipe	10-15-81	110F
					2-19-82	120F
					6-17-82	89F
19bcb-2	233	4	P225-?	3.0-in. pipe	8- 3-64	115F
					9-25-64	60F
					3-18-65	185F
					8-25-65	180F
					9- 9-66	80F
					3- 9-67	185F
					8-31-67	62F
					8-25-81	65F
					10-15-81	105F
					3- 1-82	175F
					6-17-82	115F

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-5-1) 19cbc-1	322	6	O	3.25-in. pipe	10-15-81	60F
					3- 6-82	75F
					6-17-82	57F
19ccb-1	169	6	P131-162	4.0-in. pipe	10-19-81	230F
					3- 6-82	215F
19ccc-1	151	4	P143-?	1.5-in. pipe	8- 3-64	17F
					9-25-64	14F
					3-18-65	22F
					3-28-66	20F
					9- 9-66	12F
				Faucet	7-12-77	2.1F
					8-25-81	4.5F
					10-20-81	6.3F
					3- 1-82	8.0F
19ccd-1	144	6	P137-144	5.0-in. pipe	10-19-81	245F
					6-24-82	195F
19dad-2	154	4	P146-?	3.88-in. pipe	10-14-81	280F
					2-18-82	290F
					6-17-82	215F
					9- 9-82	245F
19dbd-5	210	4	P95-105	3.25-in. pipe	10-19-81	205F
					2-19-82	195F
					6-17-82	105F
19dbd-6	257	6	P101-108, 141-159, 208-215	4.5-in. pipe	10-19-81	315F
					2-19-82	395F
					6-17-82	255F
19dca-1	—	2.5	—	2-in. pipe	10-15-81	47F
					2-19-82	56F
					6-17-82	40F
19dcb-1	227	4	P219-?	2.8-in. pipe	8- 3-64	100F
					9-25-64	50F
					10-14-81	64F
20cbc-1	180	2	—	2-in. pipe	1939	70F
					10-11-63	70F
					10-21-81	65F

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-5-1) 20ccb-3	153	4	P145-?	4-in. pipe	8- 3-64	75F
					9-25-64	50F
					3-18-65	75F
					8-25-65	82F
					3-18-66	75F
					10-21-81	160F
					2-19-82	150F
					6-17-82	135F
20dbb-1	165	2	—	1.25-in. pipe	9-17-35	54F
					1939	60F
					10-11-63	50F
					8- 3-64	50F
					9-25-64	50F
					3-18-65	75F
					10-21-81	47F
21dba-3	185	3	P180-?	3-in. pipe	1946	130F
					8- 4-64	90F
					9-25-64	100F
					8-26-65	85F
					3-18-66	110F
					10-21-81	66F
22acb-3	211	3	O	3-in. pipe	8- 4-64	60F
					9-25-64	50F
					8-26-65	75F
					3-18-66	85F
					9- 9-66	53F
					3-14-67	72F
					8-31-67	47F
					10-22-81	65F
					3- 1-82	66F
					6-18-82	66F
					9- 9-82	66F
23dab-3	400	3	—	Faucet	8- 5-64	3.6F
					9-28-64	3.4F
					3-19-65	5F
					8-26-65	4.8F
					3-15-66	6.8F
					9- 8-66	2.5F
					8- 9-77	No flow
					8-27-81	3.5F
					10-22-81	4.1F
					3- 2-82	5.0F

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-5-1)24ddd-4	106	5	O	4-in. pipe	8- 5-64	60F
					9-28-64	100F
					3-22-65	100F
					8-26-65	125F
					3-15-66	220F
					8- 9-66	120F
					3-15-67	125F
					8-31-67	150F
					10-22-81	115F
					3- 1-82	110F
					6-18-82	120F
25cab-3	152	4	P148-?	4-in. pipe	3-19-65	150F
					10-22-81	160F
26abd-1	302	4	P296-?	4-in. pipe	1939	240F
					10-11-63	76F
					8- 4-64	100F
					9-25-64	75F
					3-19-65	75F
					8-26-65	110F
					10-27-81	65F
					3- 4-82	45F
26bad-1	140	4	—	4-in. pipe	11- 6-80	190F
					10-27-81	140F
26bda-1	200	8	P 82- 96, 101-114, 119-138, 179-200	8-in. pipe	10-27-81	230F
					2-22-82	245F
					6-10-82	230F
26cba-2	105	4	P95-?	4.25-in. pipe	10-27-81	100F
					2-22-82	110F
26dba-1	160	4	—	4.25-in. pipe	10-27-81	115F
					2-22-82	125F
					6-18-82	120F
35aaa-2	135	4	O	4-in. pipe	8- 9-64	75F
					9-28-64	75F
					3-22-65	100F
					8-26-65	95F
					3-18-66	150F
					10-22-81	100F
					2-19-82	100F
					6-18-82	105F
					9- 9-82	110F

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-5-2)19dad-1	60	4	O	4-in. pipe	8- 5-64	100F
					9-28-64	75F
					3-23-65	100F
					8-26-65	150F
					10-22-81	95F
21cba-1	445	16	P187-?	10.12-in. pipe	1965	1,360P
					7-16-66	1,550P
					7-10-68	1,350P
					7-20-81	1,540P
29acb-1	100	4	P94-?	3.75-in. pipe	10-26-81	105F
					2-19-82	105F
					7- 1-82	115F
					9- 9-82	130F
29bad-4	102	4	O	Sprinklers	6- 9-66	190P
					8-27-81	130P
29bda-3	101	4	O	4.25-in. pipe	10-26-81	215F
					2-19-82	220F
					7- 1-82	210F
29bda-5	—	4	—	3.5-in. pipe	10-26-81	150F
					2-19-82	145F
29bdc-1	—	2	—	Faucet	10-26-81	31F
					2-19-82	26F
29caa-1	322	4	P314-322	3-in. pipe	10-27-81	93F
					7- 1-82	130F
29caa-2	126	4	—	3-in. pipe	1939	150F
					8- 5-64	160F
					9-28-64	160F
					9-23-66	160F
					10-27-81	150F
					3- 8-82	145F
					7- 1-82	130F
					9- 9-82	145F
29caa-3	—	4	—	3-in. pipe	10-27-81	90F
					2-19-82	86F
					7- 1-82	83F
29dbb-1	289	4	P75-?	4-in. pipe	8-25-64	125F
					9-28-64	150F
					3-23-65	140F
					8-26-65	170F
					3-29-66	125F
					3-16-67	125F
					10-27-81	100F
					3- 2-82	110F

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing Diameter (in.)	Casing Finish	Discharge point	Date	Discharge (gal/min)
(D-5-2) 29dbd-4	82	4	P67-?	4-in. pipe	10-28-81	88F
					2-19-82	80F
					7- 1-82	61F
					9- 9-82	100F
29dbd-8	83	4	P68-?	4.38-in. pipe	10-28-81	115F
					2-19-82	130F
					7- 1-82	100F
					9- 9-82	140F
29dbd-9	84	4	P68-?	3-in. pipe	10-28-81	26F
					2-19-82	22F
					7- 1-82	15F
29dbd-11	120	4	P75-?	4-in. pipe	8- 5-64	100F
					9-28-64	140F
					3-23-65	150F
					8-26-65	165F
					3-22-66	150F
					10-28-81	135F
29dbd-12	120	4	P73-?	4-in. pipe	8- 5-64	220F
					9-28-64	370F
					3-23-65	280F
					8-26-65	370F
					3-28-66	370F
					9-23-66	220F
					3-16-67	320F
					10-28-81	260F
					3- 2-82	270F
30acb-1	—	5	—	5-in. pipe	8- 5-64	92F
					9-28-64	490F
					8-26-65	530F
					10-23-81	420F
30cab-2	105	4	P97-?	4-in. pipe	8- 5-64	220F
					9-28-64	220F
					3-23-65	220F
					8-26-65	320F
					3-16-67	280F
					8-31-67	260F
					10-23-81	270F
					2-18-82	270F
					6-18-82	210F
					9- 9-82	225F

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-5-2)30dca-2	140	5	—	5.5-in. pipe	8- 5-64	140F
					9-28-64	120F
					8-26-65	230F
					10-23-81	170F
30dda-1	134	4	—	4-in. pipe	1939	230F
					10-11-63	300F
					10-23-81	75F
31acb-1	147	4	P139-147	4-in. pipe	8- 5-64	150F
					9-28-64	150F
					3-23-65	150F
					10-23-81	52F
34cdd-1	65	12	P39-65	8-in. pipe	9-10-63	1,050P
					7-12-66	960P
					8-15-67	940P
					8-15-72	1,010P
					8-18-76	990P
					7-20-79	1,200P
					7-20-81	790P
(D-6-2) 6acc-1	117	4	—	4-in. pipe	8- 5-64	280F
					9-28-64	280F
					3-23-65	320F
					8-27-65	440F
					10-23-81	210F
					2-22-82	210F
17dac-1	123	4	P110-?	6-in. pipe	7-14-64	340P
					7-14-65	320P
					7-10-68	350P
					7-30-73	450P
					7-25-80	360P
					7-20-81	360P
26ddd-1	—	—	—	18-in. pipe	8-18-76	3,520P
					8-15-77	2,420P
					7-20-81	2,730P

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-6-2)28bad-2	124	8	P101-123	6-in. pipe	8- 6-64	320F
					9-28-64	370F
					8-20-65	480F
					9-23-66	370F
					10-23-81	280F
					2-22-82	310F
					7- 1-82	180F
					9- 9-82	185F
28cad-1	127	4	—	4-in. pipe	1939	240F
					10-14-63	250F
					8- 6-64	150F
					9-28-64	150F
					8-27-65	220F
					10-23-81	160F
(D-7-2) 3ada-4	275	3.5	O	Faucet	1939	2F
					10-14-63	10F
					10-23-81	4.1F
4acb-1	149	5	P141-149	5-in. pipe	12-12-80	305F
					10-15-81	235F
4acc-1	161	5	P158-?	4-in. pipe	8- 3-65	315F
					10- 7-81	210F
4acd-3	131	4	P123-?	4-in. pipe	10- 9-81	130F
					2-22-82	145F
					7- 1-82	120F
4adc-1	132	4	P124-?	4-in. pipe	10- 9-81	115F
					2-22-82	135F
					7- 1-82	110F
4cba-2	155	5	P149-?	5-in. pipe	8- 6-64	245F
					9-28-64	320F
					3-24-65	370F
					8-27-65	345F
					3-16-66	445F
					10-15-81	325F
					2-22-82	350F
					7- 1-82	300F
4cbc-1	250	5	P235-?	5-in. pipe	1939	500F
					10-14-63	415F
					10-19-81	410F
					3- 2-82	490F

Table 3.—Discharge of selected wells—Continued

Location	Depth (ft)	Casing		Discharge point	Date	Discharge (gal/min)
		Diameter (in.)	Finish			
(D-7-2) 4cda-1	146	5	P140-?	5-in. pipe	8- 6-64	150F
					9-28-64	370F
					10-19-81	150F
					2-22-82	240F
4cdb-1	170	5	P164-?	5.12-in. pipe	10-19-81	245F
					2-22-82	255F
					3- 4-82	295F
					6-30-82	180F
10adc-3	164	2	—	Faucet	8- 6-64	12F
					9-28-64	15F
					8-27-65	19F
					3-16-66	25F
					9- 7-66	16F
					3-17-67	17F
					9- 1-67	15F
					10-19-81	12F
					3- 2-82	15F
11ddc-1	167	2.5	—	2.25-in. pipe	1939	58F
					10-13-63	30F
					8- 6-64	30F
					9-28-64	30F
					3-24-65	43F
					8-26-65	45F
					10-21-81	26F
11ddc-2	273	4	—	1.25-in. pipe	10-15-65	27F
					10-21-81	17F

Table 4.—Drillers' logs of selected wells

[See text for explanation of numbering system for hydrologic-data sites. Altitude (Alt.) is land surface altitude. Surveyed altitudes given in feet and decimal fractions; altitudes interpolated from U.S. Geological Survey topographic maps given in full feet.]

Thickness: Thickness of unit in feet.
Depth: Depth to bottom of unit, in feet, below land surface. Total depth of log may be greater than the depth of well given in tables 1 and 3 because the drilled depth may have been greater than the depth of the completed well.

Material	Thickness	Depth
(C-4-1)26aad-1. Log by J. S. Lee and Sons. Alt. 4,632.		
Clay and gravel	8	8
Gravel, dry	30	38
Clay, brown	14	52
Gravel, dry	112	164
Clay, blue	31	195
Gravel; water	19	214
Clay, black	5	219
Gravel, cemented	3	222
Gravel; water	29	251
Clay and gravel	12	263
Conglomerate	6	269
Clay, sticky	5	274
Clay and gravel	5	279
Clay, brown	63	342
Clay, green	18	360
Clay and gravel	16	376
Clay, brown	4	380
Clay, gray	36	416
Clay, brown	20	436
Clay and gravel	89	525
Clay and sand, in layers; water	15	540
(C-5-1)11cab-1. Log by Paul Comer. Alt. 4,627.		
Soil	2	2
Clay, tan	20	22
Clay, sand, and gravel, tan	21	43
Clay, tan	44	87
Clay, gravel, and conglomerate, tan	37	124
Sand, gravel, and conglomerate, tan	45	169
Clay, tan	4	173
Clay, sand, gravel, and conglomerate, tan	28	201
(C-5-1)15aac-1. Log by Paul Comer. Alt. 4,630.9.		
Soil	3	3
Clay, tan	22	25
Clay, sand, and gravel, tan	16	41
Clay, tan	51	92
Clay, gravel, and conglomerate	27	119
Clay, tan	6	125
(C-5-1)15aac-1—Continued.		
Sand, gravel, and conglomerate	45	170
Clay, tan	6	176
Clay, sand, gravel, and conglomerate	51	227
Clay, tan	7	234
Clay, gravel, and conglomerate, tan	22	256
(C-5-1)22cdb-1. Log by Paul B. Billings. Alt. 4,637.5.		
Clay	13	13
Clay, sand, gravel, cobbles, and boulders	3	16
Clay, sand, gravel, and cobbles	9	25
Boulders	1	26
Clay, sand, and gravel	4	30
Clay and sand	3	33
Clay, sand, gravel, and cobbles	2	35
Sand, gravel, and cobbles	7	42
Clay, sand, gravel, and cobbles	64	106
Limestone; small clay layers	94	200
(C-5-1)24dbc-1. Log by Eldon Comer. Alt. 4,492.		
Soil	3	3
Clay, blue	62	65
Sand	2	67
Sand and gravel, dirty; water	14	81
Clay, tan	37	118
Gravel, fine; water	7	125
Clay, tan	26	151
Gravel, dirty; water	9	160
Clay, tan	13	173
Clay, sand, and gravel, tan	8	181
Clay, tan	16	197
Clay and gravel, dirty; water	25	222
Clay, tan	15	237
Clay, sand, and gravel, conglomerate	133	370
Clay	30	400
(D-4-1)13acb-1. Log by J. S. Lee and Sons. Alt. 5,190.		
Soil	4	4
Clay and gravel	6	10
Boulders	25	35
Conglomerate	120	155
Gravel	1	156
Conglomerate	59	215
Gravel	1	216
Conglomerate	219	435
Clay, sandy with rock	20	455
Clay, gravel, and boulders	160	615
(D-4-1)25ddb-1. Log by Cecil M. Stephenson. Alt. 4,932.		
Soil	5	5
Gravel, cobbles, and boulders	17	22
Clay, sand, and gravel	36	58
Gravel, cobbles	123	181
Clay, sandy	63	244
Gravel, cemented	21	265
Clay and gravel	90	355
Gravel, cemented	30	385
Conglomerate	13	398
Clay and gravel	16	414
Gravel, cemented; hard clay	64	478
Clay, hard; gravel	73	551
Clay and gravel	20	571
Gravel, cemented	35	606
Clay, hard; limestone	9	615
Clay and gravel	9	624
Clay, hard; layers of limestone	10	634
Clay, soft, tan	2	636
Clay, hard; limestone	28	664
Clay; streaks of gravel	39	703
Clay; some gravel	12	715
Clay, hard; limestone	150	865
Limestone and quartz	20	885
Clay, hard; limestone	50	935
Limestone and quartz	97	1,032
Clay, hard; limestone, quartz	8	1,040
Limestone and quartz	37	1,077

Table 4.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-4-1)26aac-1. Log by J. G. Lee. Alt. 4,923.		
Soil	2	2
Clay and gravel	63	65
Sand and gravel	37	102
Clay and sand	92	194
Clay and gravel	82	276
Clay and sand; water	44	320
Clay, silt, and sand	62	382
Clay and sand	48	430
Sand and gravel	22	452
Clay, sand, and gravel	11	463
Conglomerate	142	605
Granite	10	615
(D-4-1)31cbb-2. Log by Eldon Comer. Alt. 4,605.		
Soil	2	2
Clay and gravel	6	8
Clay, tan	20	28
Clay, blue	19	47
Clay and sand, blue	9	56
Clay, blue	88	144
Sand and gravel	15	159
Clay, tan	11	170
Gravel, dirty	22	192
Clay, tan	8	200
Sand and gravel, dirty	12	212
Clay and gravel	16	228
Clay	12	240
Sand and gravel	12	252
Clay, tan	11	263
Gravel	5	268
Clay, tan	8	276
Sand and gravel	13	289
Clay, tan	29	318
Clay and gravel	17	335
Clay, tan	23	358
Gravel, dirty	22	380
Clay, tan	19	399
Gravel, dirty	91	490
(D-4-1)32dbb-1. Log by Eldon Comer. Alt. 4,740.		
Clay, tan	32	32
Clay, blue	20	52
Clay and sand, tan	48	100
Clay and gravel, tan	75	175
Sand and gravel; water	23	198
Clay, tan	2	200
Gravel	51	251
Clay, tan	19	270
Gravel	9	279
Clay; scattered gravel	22	301
Clay and sand	23	324
Clay; scattered gravel	31	355
Conglomerate	55	410
(D-4-1)33cdc-1. Log by Paul Comer. Alt. 4,777.		
Soil	2	2
Sand and gravel	16	18
Sand	45	63
Clay, blue	87	150
Clay and sand, blue, in layers	48	198
Sand and gravel; dry	45	243
Sand and gravel; water	16	259
Clay and gravel	9	268
Sand and gravel; water	12	280
(D-4-1)36adc-1. Log by Cecil M. Stephenson. Alt. 4,935.		
Soil	1	1
Gravel, cobbles, and boulders	54	55
Clay, sandy	2	57
Gravel and cobbles	43	100
Gravel, cobbles, and boulders	43	143
Gravel, cobbles	47	190
Clay, sand, and gravel	49	239
Clay, gravel, and cobbles	112	351
Gravel and cobbles; some water	9	360
Clay and gravel; water	20	380
Clay; small gravel	6	386
Gravel; layers of clay	17	403
Gravel	2	405
Clay and gravel	4	409
Gravel, cemented	122	531
Clay, hard; sand and fine gravel	3	534
Gravel, cemented	18	552
Limestone; streaks of clay	14	566
Gravel, cemented; limestone and hard clay	11	577
(D-4-1)36cab-1. Log by George Roberts. Alt. 4,903.		
Boulders and gravel	28	28
Clay, sandy	90	118
Boulders and gravel	57	175
Sand and clay; some gravel	33	208
Sand and gravel; dry	104	312
Gravel and boulders; water	158	470
Conglomerate, clay and gravel	30	500
(D-4-2)18bdd-1. Log by J. S. Lee and Sons. Alt. 5,230.		
Cobbles	10	10
Clay, gravel, and cobbles	30	40
(D-4-2)18bdd-1.—Continued		
Sand and gravel	32	72
Clay, sand, gravel, and cobbles	23	95
Gravel and cobbles, cemented	62	157
Clay and gravel	4	161
Gravel and cobbles, cobbles	39	200
Sand and gravel, dirty	20	220
Gravel	15	235
Sand and gravel, dirty	71	306
Clay and gravel	47	353
Granite	12	365
(D-4-2)19ccb-1. Log by J. S. Lee and Sons. Alt. 4,955.		
Soil	10	10
Clay and gravel, brown	9	19
Sand, coarse	16	35
Sand and gravel, coarse	44	79
Clay, sand, and gravel, brown	26	105
Sand and gravel, coarse	62	167
Clay, sand, and gravel, brown	133	300
Conglomerate	35	335
Conglomerate, sandy	25	360
Conglomerate	84	444
Clay and gravel, brown	23	467
Conglomerate	23	490
Sand and gravel, cemented	11	501
Conglomerate	122	623
Granite	27	650
(D-4-2)31abd-1. Log by Ben R. Gardner. Alt. 4,980.		
Gravel and cobbles	14	14
Boulders, large	20	34
Boulders	8	42
Clay, gravel, and cobbles	23	65
Gravel, large	5	70
Clay and cobbles	5	75
Cobbles and boulders; some water	3	78
Gravel; some water	6	84
Gravel and cobbles	8	92
Gravel and cobbles, large	4	96
Boulders	4	100
Gravel and cobbles	16	116
Gravel; streaks of clay	12	128
Gravel and cobbles	12	140
Clay and gravel	33	173

Table 4.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-4-2)31abd-1.—Continued		
Conglomerate	10	183
Clay and gravel	4	187
Conglomerate	13	200
Clay and gravel	12	212
Conglomerate	8	220
Gravel; streaks of clay	10	230
Conglomerate	6	236
Gravel and clay, streaks	18	254
Clay, cobbles, and lime	18	272
Limestone	8	280
Clay and gravel	12	292
Clay, gravel, and cobbles	8	300
Clay, gravel, and cobbles; some water	3	303
Limestone	5	308
Conglomerate	48	356
Clay and gravel	10	366
Clay, gravel, and cobbles	16	382
Gravel; packed sand.	5	387
Conglomerate; some water	5	392
Conglomerate	50	442
Conglomerate; streaks of limestone	6	448
Gravel; streaks of water	15	463
Limestone	38	501
(D-4-2)31bda-1. Log by Eldon Comer. Alt. 4,975.		
Gravel and boulders.	375	375
Gravel; water	5	380
Gravel and clay	38	418
Gravel; water	6	424
Conglomerate	111	535
Boulders, clay, and gravel	77	612
(D-5-1)1bcd-1. Log by Eldon Comer. Alt. 4,853.		
Sand, gravel, and boulders	22	22
Clay, tan	4	26
Clay, blue	56	82
Clay and sand, blue	27	109
Clay, blue	5	114
Clay and gravel	36	150
Gravel; dry	26	176
Clay, tan	8	184
Clay and sand, blue	8	192
Clay and sand; streaks of gravel	40	232
Clay and gravel, mixed	46	278
Sand, gravel, and cobbles; water	4	282
(D-5-1)1bcd-1.—Continued		
Clay and gravel, mixed	17	299
Sand, gravel, and cobbles, dirty; water	15	314
Sand, gravel, and cobbles, some clay; water.	112	426
Clay and gravel, mixed; water	6	432
Gravel and cobbles, cemented	39	471
Clay and gravel, mixed	43	514
Sand and gravel, some clay	23	537
Clay and gravel	7	544
Gravel, dirty	14	558
(D-5-1)2baa-1. Log by Eldon Comer. Alt. 4,832.		
Soil	2	2
Gravel, cobbles, and boulders	16	18
Sand and gravel	13	31
Clay, tan	14	45
Clay, blue	47	92
Clay, sand, gravel, cobbles, and conglomerate, tan	66	158
Clay, tan	17	175
Clay, blue	28	203
Clay, sand, gravel, and conglomerate, tan.	42	245
Sand and gravel; water	55	300
(D-5-1)5cbc-1. Log by Eldon Comer. Alt. 4,566.		
Soil	3	3
Sand	4	7
Clay and sand	12	19
Clay, tan	6	25
Clay, sandy blue; water	30	55
Sand and gravel	10	65
Clay and sand	23	88
Gravel; water	9	97
Clay, tan	18	115
Sand	15	130
Gravel; water	10	140
Clay, tan	38	178
Sand	12	190
Gravel; water	18	208
Clay.	22	230
Sand and gravel; water	12	242
Gravel	20	262
Clay and gravel, stratified	40	302
Clay and gravel, cemented	43	345
(D-5-1)6bcd-1. Drilled and cored by U.S. Geological Survey. Drilled 0-72, 92-202, 225-240 feet. Cored 72-92, 202-225, 240-293.5 feet. Log by D. W. Clark, C. L. Appel, and P. E. Fairbanks. Alt. 4,537.		
Clay, brown	12	12
Clay, brown; fine sand	13	25
Clay, plastic, dark gray	15	50
Clay, gritty, very dark gray	32	72
Clay, very dark gray; some sand	7.6	79.6
Clay, olive gray; gravel up to 1 inch	5	84.6
Clay and gravel	7.4	92.0
Clay.	1	93
Gravel, coarse	1	94
Clay.	1	95
Gravel, coarse	1	96
Clay, light brown	2.6	98.6
Gravel, coarse, mostly granitic; water	19.4	118
Clay, pinkish gray; some fine sand	8	126
Sand, fine	3	129
Clay, sand, and gravel.	5	134
Clay, pinkish gray.	6	140
Clay; some sand and gravel stringers	10	150
Clay, sandy, light brown	9	159
Gravel; some sand and clay.	16	175
Sand and gravel; water	5	180
Clay, light brown; some gravel.	15	195
Clay, gritty, pink	2	197
Hardpan, fine grained, cemented, calcareous, pink	9.6	206.6
Clay, brown	.5	207.1
Clay, reddish brown; sand and gravel to 1 inch	1.4	208.5
Gravel, up to 4 inches, mostly quartzite; some sand	3.5	212
Sand, reddish brown	1.5	213.5
Gravel, up to 3 inches, quartzite and black limestone; some sandy clay	4.0	217.5
Sand, light olive brown.	.5	218.0
Sand, gravel, and cobbles up to 5 inches, quartzite and limestone; water	7	225
Sand and gravel	8	233
Clay, sandy, light brown	6	239
Hardpan, fine grained, cemented, calcareous, white	1	240

Table 4.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-5-1)6bcd-1—Continued		
Clay, very sandy, light-reddish brown	10	250
Clay, hard, pink	.5	250.5
Clay and silt, sandy, light-reddish brown	3.7	254.2
Sand, medium grained	1.2	255.4
Gravel, quartzite; some clay	1.1	256.5
Clay and silt, reddish brown; some sand	7.3	263.8
Clay, dense, blocky, reddish brown; some, fine-grained cemented pink hardpan	.7	264.5
Clay and silt, reddish brown; some sand and gravel	3.8	268.3
Hard pan, fine grained, cemented, very calcareous, fractured, pale brown; clay in fractures	2.7	271.0
Clay and silt, reddish brown; some sand	2.8	273.8
Clay and silt, sandy, reddish brown; thin layers of hardpan	7.4	281.2
Clay and silt, dark grayish brown; some sand	1.0	282.2
Hardpan, fine grained, cemented, fractured, pink; clay in fractures	1.2	283.4
Clay, dark grayish brown; some gravel	.2	283.6
Sand; some clay	.3	283.9
Clay, very sandy, brown	.9	284.8
Hardpan, moderately hard, very calcareous, white	.4	285.2
Hardpan, hard and softer layers, cemented, very calcareous, light to pinkish gray	4.0	289.2
Sand	.2	289.4
Hardpan, fine grained, cemented, with vugs, calcareous, white	.3	289.7
Clay and silt, compacted, brown	2.5	292.2
Hardpan, fine grained, cemented, very calcareous, white	1.3	293.5

Material	Thickness	Depth
(D-5-1)8aaa-3. Log by Eldon Comer. Alt. 4,600.		
Soil	9	9
Clay, sandy; some sand and gravel	9	18
Sand and clay	96	114
Sand and gravel; water	15	129
Clay, sandy	15	144
Gravel and blue sand; water	9	153
Conglomerate	7	160
Clay, tan	32	192
Conglomerate; water	28	220
Clay, tan	7	227
Conglomerate; water	26	253
Clay, tan	5	258
Conglomerate; water	22	280
Clay, tan	25	305
Conglomerate; water	13	318
Clay, tan	10	328
Conglomerate	9	337
Clay, tan	14	351
Clay, light tan; some gravel; water	9	360
Clay, tan	13	373
Clay, sand, and gravel	21	394
Clay, very sticky	13	407
Clay; some sand	11	418
Clay, sandy	16	434
Clay, sand, and gravel	4	438
Conglomerate, hard	13	451
Clay, tan	3	454
Conglomerate, hard	11	465
Clay, sticky	2	467
Conglomerate	25	492
Sand, coarse	4	496
Conglomerate	11	507
Clay, sticky; some sand and gravel	8	515
Conglomerate	6	521
Sand; fine gravel	6	527
Clay, sand, and gravel	11	538
Conglomerate	32	570
Clay, tan	12	582
Gravel	2	584
Clay, tan	8	592
Clay and gravel	6	598
Clay	14	612
Clay and gravel	2	614
Clay	20	634
Conglomerate	12	646
Clay	12	658

Material	Thickness	Depth
(D-5-1)8aaa-3.—Continued		
Clay and gravel	8	666
Clay	10	676
Sand, clay, and gravel	8	684
Clay	10	694
Clay and gravel	15	709
(D-5-1)8daa-1. Log by Eldon Comer. Alt. 4,575.		
Soil	5	5
Gravel	12	17
Clay	65	82
Sand and gravel; water	20	102
Clay	36	138
Sand and gravel; water	52	190
Sand, fine	14	204
Clay	71	275
Clay and sand	15	290
Sand and gravel; water	20	310
(D-5-1)10acb-1. Log by Eldon Comer. Alt. 4,740.		
Soil	2	2
Sand and gravel	18	20
Sand	70	90
Clay, blue	35	125
Sand	13	138
Clay and sand, blue	24	162
Clay, sand, and gravel, tan and gray	30	192
Sand and gravel	12	204
Clay, tan	8	212
Clay, blue	42	254
Sand	16	270
Sand and gravel	27	297
(D-5-1)12dcc-1. Log by Eldon Comer. Alt. 4,684.		
Boulders	29	29
Clay, blue	34	63
Clay, brown	9	72
Sand and gravel	69	141
Sand and gravel; water	12	153
Sand, clay, and gravel	6	159
Gravel; water	9	168
Clay and boulders	4	172
Sand and gravel; water	8	180
Clay and boulders	4	184
Clay, tan	2	186
Clay and gravel	8	194
Gravel, sand, and clay; water	8	202

Table 4.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-5-1)12dcc-1.—Continued		
Clay, sandy	25	227
Gravel; water	24	251
Conglomerate	18	269
Gravel and sand; water	36	305
Conglomerate	53	358
Gravel; water	19	377
Conglomerate	11	388
Gravel; water	4	392
Conglomerate	21	413
(D-5-1)14bdc-1. Log by J. S. Lee and Sons. Alt. 4,587.		
Soil	3	3
Clay and gravel	9	12
Clay, sandy	17	29
Clay and gravel	153	182
Clay, blue	8	190
Clay and gravel	40	230
Clay, brown	2	232
Clay and gravel	9	241
Clay, sticky	13	254
Clay and gravel	11	265
Clay, sticky	6	271
Clay and gravel, sandy	138	409
Clay and gravel, blue	14	423
Clay and gravel, sandy, brown	38	461
Conglomerate	6	467
Clay and gravel, brown	257	724
Clay, blue	12	736
Clay and gravel	174	910
(D-5-1)16abb-1. Log by Eldon Comer. Alt. 4,548.		
Soil	3	3
Clay	52	55
Sand and gravel	40	95
Clay, sandy	40	135
Gravel; water	14	149
Sand; little clay	12	161
Gravel; water	21	182
Sand	10	192
Clay, sandy	29	221
Sand	40	261
Sand and gravel	10	271
Gravel; water	23	294
Sand	38	332
Gravel, fine; with hardpan	12	344
Gravel; water	22	366
(D-5-1)16ccb-4. Log by Eldon Comer. Alt. 4,528.		
Soil	3	3
Clay and sand	82	85
Sand and gravel; water	25	110
Clay and sand	35	145
Sand and gravel; water	65	210
Clay and sand	75	285
Gravel; water	8	293
(D-5-1)18cab-2. Log by Eldon Comer. Alt. 4,511.		
Soil and tan clay	32	32
Clay and sand, blue	30	62
Sand and clay, in layers; some gravel	41	103
Clay, tan	25	128
Sand and gravel, dirty	87	215
Clay, blue	20	235
Clay, sandy	29	264
Sand and gravel, dirty	4	268
Clay, tan	32	300
Clay, sandy, blue	20	320
Clay, tan	12	332
Sand	11	343
Sand and gravel	7	350
Clay and gravel	13	363
Sand, hardpan	8	371
Clay, light tan	17	388
Sand and clay; some gravel	22	410
Sand and gravel	10	420
Clay	44	464
Sand	26	490
Clay; some sand layers	35	525
Sand and gravel	9	534
Clay, sticky	31	565
Sand	7	572
Clay	7	579
Sand; some gravel	39	618
(D-5-1)20bcc-1. Log by Eldon Comer. Alt. 4,507.		
Clay, tan	38	38
Clay, blue	51	89
Sand and gravel; water	6	95
Clay, tan	43	138
Sand and gravel; water	11	149
Clay, sand, and gravel; water	9	158
Clay, tan	17	175
Sand and gravel	14	189
Clay, blue	56	245
(D-5-1)20bcc-1.—Continued		
Clay, sand, and gravel, tan; water	10	255
Clay and sand, tan	21	276
Clay, sand, and gravel, stratified	15	291
Clay, blue	16	307
Sand and gravel; water	6	313
Clay, tan	39	352
Sand and gravel; water	8	360
Clay, tan	25	385
Clay, sand, and gravel, mixed; water	10	395
Clay, blue	16	411
Clay, sand, and gravel, stratified	9	420
(D-5-1)22bcc-2. Log by Eldon Comer. Alt. 4,508.		
Soil	3	3
Clay	51	54
Gravel; water	15	69
Clay	8	77
Gravel; water	15	92
Sand and clay	18	110
Clay	66	176
Sand	9	185
Gravel; water	17	202
Clay	39	241
Gravel; water	21	262
(D-5-1)24ccd-1. Log by Eldon Comer. Alt. 4,556.		
Gravel	21	21
Clay, tan	3	24
Sand and gravel	31	55
Clay, blue	39	94
Sand and gravel	36	130
Clay and sand, tan	27	157
Sand and gravel	56	213
Clay, tan	27	240
Sand	16	256
Clay, blue	42	298
Sand and gravel; streaks of clay	45	343
(D-5-2)6acd-1. Log by J. S. Lee and Sons. Alt. 4,955.		
Clay, sandy	40	40
Sand and gravel	45	85
Sand, gravel, and rocks	301	386
Gravel; water	14	400

Table 4.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-5-2)6acd-1.—Continued.		
Rocks and gravel	16	416
Gravel; water	133	549
Clay, sticky	6	555
Gravel and rocks	23	578
(D-5-2)18bba-1. Log by Paul Comer. Alt. 4,710.		
Silt	2	2
Clay, tan	9	11
Clay, sand, and gravel, tan	8	19
Clay and sand, tan	15	34
Sand and gravel, tan	11	45
Clay and gravel, tan	39	84
Clay and sand, blue	5	89
Sand, gravel, and conglomerate; blue	35	124
Clay, sand, and gravel, tan	7	131
Sand and gravel, tan; dry	22	153
Clay and sand, tan	14	167
Clay and sand, blue	80	247
Clay, sand, and gravel, tan	7	254
Sand and gravel, tan; water	21	275
(D-5-2)19abd-1. Log by Eldon Comer. Alt. 4,573.		
Soil	3	3
Clay, tan	35	38
Clay, blue	6	44
Sand and gravel; water	60	104
Clay, tan	7	111
Sand and gravel; water	59	170
Clay, sand, gravel, and conglomerate, tan	17	187
Clay, tan	31	218
Clay, blue	31	249
Clay, tan	3	252
Sand and gravel; water	57	309
(D-5-2)20abd-1. Log by Eldon Comer. Alt. 4,623.		
Clay	38	38
Sand and gravel; water	70	108
Clay and sand	20	128
Clay	26	154
Sand and gravel; water	5	159
Clay	82	241
Gravel; water	48	289
(D-5-2)21cba-1. Log by J. S. Lee and Sons. Alt. 4,738.		
Soil	23	23
Sand	4	27
Clay, blue	46	73
Clay, brown	10	83
Gravel; water	3	86
Clay	26	112
Hardpan	31	143
Clay	44	187
Gravel; water	11	198
Clay, brown	29	227
Gravel; water	7	234
Clay, red	13	247
Clay, blue	25	272
Gravel; water	12	284
Conglomerate	32	316
Clay and gravel; water	11	327
Gravel; water	8	335
Conglomerate	103	438
Gravel; water	7	445
(D-5-2)27cca-1. Log by Eldon Comer. Alt. 4,780.		
Soil	2	2
Silt, sand, gravel, and cobbles	34	36
Clay, tan	42	78
Clay, blue	21	99
Sand, gravel, and cobbles	117	216
Sand, gravel, and cobbles; water	15	231
Clay and gravel, mixed	21	252
Clay, tan	9	261
Clay and gravel, mixed	9	270
Sand, gravel, and cobbles; water	15	285
Clay and gravel, mixed	4	289
Sand, gravel, and cobbles; water	62	351
Clay, gravel, and boulders	28	379
Sand, gravel, and cobbles; water	5	384
Clay, tan	5	389
Clay, gravel, and cobbles, mixed	7	396
Sand, gravel, and cobbles; water	71	467
Gravel, cemented	11	478
(D-5-2)29caa-1. Log by Eldon Comer. Alt. 4,535.		
Soil	4	4
Clay, tan	59	63
Sand	24	87
Gravel; water	10	97
Clay and sand, tan	43	140
Sand and gravel; water	10	150
Gravel; water	8	158
Clay and sand, tan	97	255
Clay, blue	21	276
Sand and gravel; water	46	322
(D-5-2)30bab-1. Log by Eldon Comer. Alt. 4,541.		
Soil	4	4
Gravel	8	12
Clay, tan	5	17
Clay and sand, tan	9	26
Sand and gravel	12	38
Clay, blue	20	58
Clay and sand, blue	40	98
Sand and gravel	42	140
Clay and gravel, tan	55	195
Gravel	52	247
Clay, blue	73	320
Sand and gravel	12	332
(D-5-2)32bab-1. Log by Eldon Comer. Alt. 4,515.		
Soil	3	3
Clay, tan	32	35
Clay, blue	61	96
Gravel	44	140
Clay, tan	12	152
Gravel	13	165
Clay, tan	102	267
Clay, blue	41	308
Gravel	7	315
(D-5-2)32dbd-1. Log by Eldon Comer. Alt. 4,530.		
Clay	10	10
Sand and hardpan	10	20
Clay	132	152
Sand and hardpan	5	157
Clay	213	370
Sand and gravel; water	6	376

Table 4.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-5-2)34ccb-1. Log by Eldon Comer. Alt. 4,732.		
Soil	3	3
Clay and sand, tan	22	25
Sand, tan	32	57
Clay, silt, and sand, tan	57	114
Clay, blue	127	241
Clay and sand, blue	14	255
Clay, gravel, and conglomerate	10	265
Clay, blue	5	270
Clay, gravel, and conglomerate, blue	5	275
Sand and gravel; water	10	285
Clay and sand, tan	15	300
(D-6-2)8acb-1. Log by Roscoe Moss Co. Alt. 4,543.		
Clay and gravel fill	40	40
Clay, sandy, blue	40	80
Clay, blue	36	116
Sand and gravel	110	226
Clay, blue	72	298
Sand and gravel; clay streaks	177	475
Clay	7	482
Clay and gravel	10	492
Sand and gravel	16	508
Clay, blue	51	559
Sand and gravel	59	618
Clay, blue	10	628
Sand and gravel	21	649
Clay, blue	33	682
Gravel and sand, tight	76	758
Clay, brown	26	784
Sand and gravel; water	120	904
Clay, sandy, brown	32	936
Clay, blue	28	964
Gravel and sand; water	28	992
Clay and gravel	12	1,004
Clay, blue	24	1,028
Sand and gravel; clay streaks; water	26	1,054
Clay, blue	31	1,085
Gravel, tight; clay streaks; water	75	1,160
Clay, brown	12	1,172
Sand and gravel	20	1,192
(D-6-2)9ccc-1. Drilled and cored by U.S. Geological Survey. Drilled 0-53, 67-77, 132-262, 314-430 feet. Cored 53-67, 77-132, 262-314, 430-467 feet. Log by D. W. Clark, C. L. Appel, and P. E. Fairbanks. Alt. 4,575.		
Sand, yellowish brown	9	9
(D-6-2)9ccc-1.—Continued		
Clay, sandy	4	13
Quicksand, dark-yellowish brown; water	23	36
Sand; some clay stringers	9	45
Sand, dark gray	8	53
Clay and sand, interbedded, very dark gray	14	67
Sand, very dark gray; some clay	10	77
Sand, very dark gray; some clay layers	32	109
Sand, dark gray	4	113
Sand, fine, dark gray; clay layers	8	121
Clay, sandy, laminated, very dark gray	7	128
Clay, sandy, dense, black; gastropods	4	132
Gravel, cobbles, and boulders; water	88	220
Gravel and cobbles; some sand; water	25	245
Clay and sand, brown	17	262
Sand, coarse, gray and light brown; some clay layers	8	270
Clay and sand in layers, grayish brown	7	277
Sand, coarse, hard, gray; little clay	13	290
Sand, coarse, dark gray; thin layers of very dark gray clay	18	308
Clay, dark gray	3	311
Sand, very coarse	3	314
Sand, gravel, and cobbles; water	36	350
Gravel, coarse; water	20	370
Gravel, coarse; some sand; water	30	400
Sand and gravel	30	430
Gravel, cobbles, and boulders	5	435
Sand, gravel, cobbles, and boulders, unconsolidated conglomerate	32	467
(D-6-2)9dab-1. Log by Roscoe Moss Company. Alt. 4,717.		
Sand	20	20
Sand, packed	50	70
Sand	25	95
Sand and gravel	27	122
Clay, sand, and gravel	8	130
Quicksand	62	192
Clay, blue	18	210
Sand, blue; some clay	15	225
(D-6-2)9dab-1.—Continued		
Clay, hard	17	242
Clay, sandy, hard, blue	12	254
Clay, hard, blue; gravel to 6 inches	51	305
Sand and gravel to 12 inches	32	337
Clay, very sandy, yellow	43	380
Clay and sand	22	402
Clay, blue	22	424
Clay, sandy with 1-inch gravel	24	448
Clay, hard, blue	10	458
Sand and 12-inch gravel	250	708
Clay, yellow	2	710
Sand and gravel to 8 inches	10	720
Clay and gravel to 1 inch	15	735
Sand and gravel to 3 inches	13	748
Clay, sandy, yellow	12	760
Clay, sandy, blue	18	778
Clay, hard, blue	5	783
Sand and gravel to 5 inches	110	893
Clay, yellow	3	896
Sand and gravel	4	900
(D-6-2)12bdb-1. Log by Roscoe Moss Company. Alt. 4,853.		
Soil	2	2
Sand, cemented; gravel and boulders	6	8
Sand, gravel, and boulders	19	27
Sand, cemented; gravel	25	52
Sand and gravel	26	78
Clay, sandy brown; gravel	12	90
Sand and gravel	28	118
Clay, sandy, brown	11	129
Sand and gravel	49	178
Clay, sandy, yellow	26	204
Sand and gravel	106	310
Clay and gravel to 16 inches	229	539
Clay, sandy, brown, with gravel to 10 inches	101	640
Clay and gravel, sandy, brown	70	710
Clay, gravel, and conglomerate	175	885
Clay and gravel; granite	38	923

Table 4.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-6-2)13adc-1. Log by D. W. Clark from records of B.C. and M. Drilling. Alt. 4,750.		
No record	20	20
Gravel and boulders	15	35
Gravel	72	107
Sand	18	125
Gravel, sandy	12	137
Gravel	28	165
Gravel and boulders	32	197
Rock; water	18	215
Gravel and boulders	35	250
Boulders and broken hard rock	15	265
Gravel, sandy and rock	35	300
Gravel	30	330
Gravel and boulders	45	375
Boulders and hard rock	30	405
Gravel, boulders, and rock	10	415
Boulders; blue shale	5	420
Gravel and boulders	10	430
Gravel, boulders, and broken rock	30	460
Gravel and hard rock	10	470
Gravel; shale	5	475
Gravel, boulders, and broken rock	27	502
(D-6-2)17dcc-1. Log by Paul Comer. Alt. 4,532.		
Soil	2	2
Clay and sand, tan	19	21
Clay, blue	23	44
Clay and sand, blue	61	105
Sand and gravel; water	10	115
Clay, sand, and gravel, tan	6	121
Clay and sand, tan	18	139
Clay and sand, blue	66	205
Sand and gravel; water	48	253
(D-6-2)21cdb-1. Log by Paul Comer. Alt. 4,532.		
Soil	3	3
Clay, tan	19	22
Clay, blue	25	47
Clay and sand, blue	46	93
Clay, sand, gravel, and cobbles; water	70	163
Clay, tan	27	190
Clay, blue	31	221
Clay, tan	15	236
Clay and sand, tan	15	251
Sand and gravel; water	32	283
(D-6-2)22dbd-2. Log by Paul Comer. Alt. 4,715.		
Soil	2	2
Silt and sand	6	8
Clay and sand, tan	23	31
Sand, tan	43	74
Clay and sand, blue	12	86
Clay, blue	57	143
Sand, blue	5	148
Clay and sand, blue	37	185
Sand; water	27	212
Clay, tan	15	227
Clay and sand, tan; water	12	239
Sand and gravel; water	5	244
(D-6-2)25bcb-1. Log by Roscoe Moss Company. Alt. 4,747.		
Sand and gravel, loose	98	98
Clay, sandy, brown	38	136
Clay, sandy, blue	18	154
Clay, sandy, brown	22	176
Clay, sandy, blue	98	274
Sand and gravel	96	370
Clay, yellow	20	390
Clay, blue	10	400
Clay, brown	10	410
Clay, blue	35	445
Sand and gravel to 8 inches	249	694
Clay, yellow	6	700
(D-6-2)26cdd-1. Log by Eldon Comer. Alt. 4,722.		
Sand, gravel, and cobbles	36	36
Sand and silt	108	144
Clay, blue; layers of sand	65	209
Sand, blue	59	268
Clay, blue	2	270
Sand, blue	38	308
Clay, tan	6	314
Gravel; water	26	340
(D-6-2)34caa-6. Log by W. R. Bacon and Sons. Alt. 4,535.		
Soil	5	5
Clay	15	20
Clay and sand	20	40
Sand	20	60
Sand, gray	50	110
Clay, gray	11	121
Sand and gravel, coarse, gray	49	170
(D-6-2)34caa-6.—Continued.		
Sand and gravel	15	185
Sand	25	210
Quicksand	15	225
Clay, black	35	260
Sand and gravel, gray	10	270
Sand and gravel, large	5	275
(D-6-3)7ccc-1. Log by Eldon Comer. Alt. 4,784.		
Boulders	25	25
Sand, brown	20	45
Gravel; dry	142	187
Gravel; water	25	212
(D-6-3)19cba-1. Log by Eldon Comer. Alt. 4,718.		
Clay, gravel, and cobbles	32	32
Sand, tan; water	15	47
Sand, blue	5	52
Clay and sand, blue	98	150
Clay, sand, and gravel, blue	25	175
Clay and gravel, mixed, blue	45	220
Sand, gravel, and cobbles; water	87	307
Clay and sand	121	428
Sand and gravel, dirty	29	457
Sand, gravel, and cobbles	28	485
Clay, tan	8	493
Clay and gravel, mixed	10	503
Clay and gravel, in layers	11	514
Clay and gravel, mixed	20	534
Clay and gravel	28	562
(D-7-2)1aca-1. Log by G. Roberts. Alt. 4,567.		
Ash, cinder	5	5
Gravel and clay	11	16
Sand and clay	64	80
Hardpan	8	88
Sand and clay	85	173
Clay, layers of hardpan	27	200
Clay, rock	8	208
Gravel; water	22	230
Conglomerate	23	253
Gravel; water	19	272
Conglomerate	28	300
Clay and gravel, stratified	12	312
Clay	116	428
Conglomerate, hard	9	437
Clay	12	449
Conglomerate	6	455
Clay	5	460
Conglomerate, hard	8	468

Table 4.—Drillers' logs of selected wells—Continued

Material	Thickness	Depth
(D-7-2)1aca-1.—Continued		
Clay	2	470
Conglomerate	7	477
Clay	125	602
Conglomerate, clay and gravel; volcanic-debris	18	620
Clay	80	700
(D-7-2)2bbb-1. Log by Conrad Maag. Alt. 4,535.		
Soil	5	5
Clay, yellow	55	60
Clay, blue	80	140
Gravel; water	76	216
Clay	100	316
Sand	9	325
Gravel; water	15	340
(D-7-2)3add-5. Log by Estella C. Jacobson. Alt. 4,520.		
Soil	6	6
Gravel	24	30
Clay, blue	40	70
Sand, blue	20	90
Clay, blue	30	120
Gravel; water	65	185
Sand, blue	15	200
Clay, blue	25	225
Sand, blue	20	245
Clay	10	255
Sand	5	260
Gravel; water	15	275
(D-7-2)4cbc-1. Log by Conrad Maag. Alt. 4,490.		
Soil	20	20
Sand	5	25
Clay	65	90
Sand	10	100
Clay	30	130
Sand	10	140
Clay	22	162
Gravel; water	22	184
Sand	16	200
Clay	35	235
Gravel; water	15	250
(D-7-2)32dda-2. Log by Jensen Drilling Company. Alt. 4,495.		
Clay and sand	190	190
Clay, red	110	300
Clay, blue	25	325
Clay, brown	25	350
Sand, coarse; water	10	360
Clay and sand, brown	90	450
Sand, coarse and gravel; water	10	460
Clay and sand	70	530
Sand and small gravel; water	20	550
(D-7-3)7adc-1. Log by Eldon Comer. Alt. 4,568.		
Soil	42	42
Gravel; some water	3	45
Clay, blue	37	82
(D-7-3)7adc-1.—Continued		
Hardpan	8	90
Sand and gravel, cemented	30	120
Clay, sand, and gravel; some water	15	135
Gravel; water	3	138
Clay and gravel, mixed; some water	38	176
Sand and 6-inch gravel; water	24	200
Clay and gravel; water	8	208
Clay; water	28	236
Clay and gravel	31	267
Clay, gray	16	283
Clay and gravel, mixed; water	116	399
Gravel; water	39	438
Clay and gravel	27	465
Clay, sand, and gravel, stratified; water	52	517
Clay and boulders, mixed	18	535
(D-7-3)18dcc-1. Log by Eldon Comer. Alt. 4,495.		
Soil	4	4
Sand	22	26
Clay, blue	89	115
Gravel	6	121
Clay, tan	37	158
Sand, fine	70	228
Clay, tan	35	263
Clay, blue	15	278
Gravel	4	282
Clay, blue	7	289
Sand	33	322

Table 5.--Chemical analyses or temperature and

Location: See text for explanation of numbering system for hydrologic-data sites.

LOCATION	DATE OF SAMPLE	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	SILICA, DISSOLVED (MG/L AS SIO2)	IRON, DISSOLVED (UG/L AS FE)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
(C- 4- 1)25DBC- 1	59-05-21	14.5	910	7.6	27	--	73	24	--	--
	80-08-21	--	890	7.3	20	130	66	22	74	11
26AAD- 1	81-08-26	15.5	630	7.4	24	52	58	20	36	6.5
36DAA- 1	81-09-03	14.5	1490	7.3	24	27	95	49	110	4.0
(C- 5- 1) 1CDC- 1	81-07-29	13.5	720	7.7	30	17	61	28	31	4.0
12DAA- 2	57-11-27	14.0	475	7.1	11	--	40	20	--	--
	78-08-29	15.0	710	--	--	--	--	--	--	--
	80-08-21	15.0	850	6.7	19	20	72	35	33	3.4
	82-04-05	13.0	780	--	23	--	106	34	30	5.6
	82-09-16	14.5	850	--	--	--	--	--	--	--
23BDA- 1	58-05-05	21.0	2300	6.9	26	--	182	55	--	--
	80-08-21	--	2200	--	42	40	160	100	140	33
24DCD- 1	57-06-05	--	--	7.5	36	--	128	44	156	--
	60-04-20	24.5	1520	7.7	39	--	130	43	--	--
25ABC- 3	58-04-21	24.0	2080	7.0	34	--	180	51	--	--
26BDB- 1	58-04-29	30.0	1990	7.2	29	--	158	52	--	--
(D- 4- 1)24DCD- 1	81-07-13	11.0	300	7.8	13	30	45	8.3	7.0	1.7
31ADD- 2	81-09-01	15.0	700	7.4	41	14	47	21	57	2.5
31CBB- 2	73-08-15	13.5	1950	--	--	--	--	--	--	--
	76-08-19	14.0	1900	--	--	--	--	--	--	--
	81-08-26	13.5	1900	7.3	26	12	132	62	150	5.2
32DAA- 1	81-06-16	14.5	900	7.4	32	30	88	33	43	3.2
32DBB- 1	81-08-27	14.0	740	7.5	51	10	57	22	67	3.8
33CAA- 1	81-06-16	14.5	1090	7.6	33	30	96	42	51	4.4
33DDA- 1	81-07-14	15.0	850	7.2	26	10	110	40	42	3.1
34BDC- 1	81-07-14	16.0	700	7.3	26	<10	69	24	33	2.6
35BAA- 1	80-07-22	16.5	500	--	--	--	--	--	--	--
	81-07-13	12.0	--	7.3	16	20	79	22	18	2.7
35DDA- 1	81-07-30	12.5	440	7.8	12	15	49	19	12	1.8
36ADC- 1	81-07-14	10.0	460	7.9	12	20	53	25	5.4	.8
36CAB- 1	58-06-11	10.0	620	7.5	13	--	68	29	--	--
	76-08-18	10.0	590	--	--	--	--	--	--	--
	77-08-09	10.5	570	--	--	--	--	--	--	--
	81-09-01	10.5	600	7.5	13	<10	65	29	12	1.4
(D- 4- 2)18BDD- 1	81-07-13	10.5	280	7.6	14	10	41	4.7	6.6	1.6
19CCB- 1	81-07-14	10.0	350	7.8	11	10	45	15	6.7	1.2
31ACD- 1	58-08-13	9.5	495	7.6	8.4	--	66	21	--	--
	74-09-11	10.5	480	--	--	--	--	--	--	--
	76-08-25	10.0	480	--	--	--	--	--	--	--
	81-08-25	9.5	480	7.3	8.7	10	58	21	5.3	.8
31BDA- 1	58-11-24	9.0	445	7.5	9.9	--	59	21	--	--
	81-07-13	11.0	360	8.0	9.4	30	52	17	4.1	.7
(D- 5- 1) 1AAA- 1	73-07-12	8.5	490	--	--	--	--	--	--	--
	74-09-11	8.5	480	--	--	--	--	--	--	--
	76-08-18	8.0	495	--	--	--	--	--	--	--
	78-08-28	7.0	490	--	--	--	--	--	--	--
	79-07-19	8.0	460	--	--	--	--	--	--	--
	81-06-18	9.5	490	7.7	8.5	<10	60	20	5.7	.5
1CDC- 1	81-07-28	11.5	490	7.9	9.6	24	55	23	9.8	1.1
2BAA- 1	81-07-14	11.5	600	7.8	14	<10	68	29	11	1.9
3CAA- 1	81-07-14	12.0	620	7.7	14	20	71	28	13	2.4
4BCC- 1	58-07-01	15.5	470	7.9	24	--	42	18	--	--
	74-09-11	15.0	520	--	--	--	--	--	--	--
4CDD- 1	81-07-16	14.0	570	7.3	15	10	57	24	17	2.0
5BBC- 1	54-05-04	--	--	7.6	9.0	43	147	29	--	--
	80-08-22	--	1400	6.9	35	10	130	50	85	4.8
5CBC- 1	73-07-12	15.0	1200	--	--	--	--	--	--	--
	76-08-19	15.0	1260	--	--	--	--	--	--	--
	77-08-17	15.0	1300	--	--	--	--	--	--	--
	81-07-21	15.0	1380	7.3	35	43	119	53	67	4.6
5DAA- 1	81-07-22	15.0	1210	7.0	24	17	126	50	63	3.9
6DAA- 1	58-05-28	14.5	1130	7.6	30	--	110	45	--	--
	80-08-22	15.0	1250	7.0	27	10	120	51	48	4.4
8AAA- 3	58-06-30	--	395	7.6	22	--	39	16	--	--
	74-09-11	14.0	360	--	--	--	--	--	--	--

DATE OF SAMPLE	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	BORON, DISSOLVED (UG/L AS B)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
59-05-21	--	--	72	102	--	--	--	529	280	44
80-08-21	210	--	82	78	.8	.14	150	481	260	45
81-08-26	--	180	68	43	.7	1.0	70	369	230	--
81-09-03	--	160	110	270	.5	2.7	110	771	440	--
81-07-29	--	190	38	78	.3	.49	60	387	270	--
57-11-27	--	--	24	54	--	--	--	262	183	45
78-08-29	--	--	--	--	--	--	--	--	--	--
80-08-21	150	--	78	120	.3	1.6	60	458	320	170
82-04-05	--	160	83	120	.2	--	50	500	400	--
82-09-16	--	--	--	--	--	--	--	--	--	--
58-05-05	--	--	438	352	--	--	--	1380	682	491
80-08-21	290	--	470	250	1.4	3.1	490	1390	810	520
57-06-05	--	--	266	218	--	--	--	--	--	--
60-04-20	228	--	264	210	--	--	--	961	500	272
58-04-21	--	--	386	302	--	--	--	1320	356	385
58-04-29	--	--	328	312	--	--	--	1230	608	354
81-07-13	--	130	12	5.4	.1	1.6	10	178	150	--
81-09-01	--	190	45	59	.4	3.1	100	401	200	--
73-08-15	--	--	--	--	--	--	--	--	--	--
76-08-19	--	--	--	--	--	--	--	--	--	--
81-08-26	--	230	310	270	.6	3.4	200	1110	590	--
81-06-16	--	200	130	85	.1	2.1	40	544	360	--
81-08-27	--	290	66	20	.3	2.4	130	472	230	--
81-06-16	--	170	120	160	.1	2.7	40	621	410	--
81-07-14	--	230	160	97	.1	1.4	40	623	440	--
81-07-14	--	200	40	65	.1	1.3	20	386	270	--
80-07-22	--	--	--	--	--	--	--	--	--	--
81-07-13	--	260	37	11	.2	2.5	40	353	290	--
81-07-30	--	140	30	6.9	.2	2.2	20	225	200	--
81-07-14	--	160	63	5.3	.3	.62	20	264	240	--
58-06-11	239	--	72	10	--	--	--	367	290	51
76-08-18	--	--	--	--	--	--	--	--	--	--
77-08-09	--	--	--	--	--	--	--	--	--	--
81-09-01	--	190	74	11	.1	2.4	40	330	280	--
81-07-13	--	130	13	4.3	.3	.45	10	166	120	--
81-07-14	--	160	14	4.6	.2	1.0	0	198	170	--
58-08-13	--	--	79	7.5	--	--	--	299	250	74
74-09-11	--	--	--	--	--	--	--	--	--	--
76-08-25	--	--	--	--	--	--	--	--	--	--
81-08-25	--	160	75	7.1	.3	.39	0	274	230	--
58-11-24	170	--	64	4.0	--	--	--	267	231	61
81-07-13	--	140	51	3.4	.2	.18	10	223	200	--
73-07-12	--	--	--	--	--	--	--	--	--	--
74-09-11	--	--	--	--	--	--	--	--	--	--
76-08-18	--	--	--	--	--	--	--	--	--	--
78-08-28	--	--	--	--	--	--	--	--	--	--
79-07-19	--	--	--	--	--	--	--	--	--	--
81-06-18	--	150	77	5.2	.2	.37	10	269	230	--
81-07-28	--	180	65	7.2	.2	.74	20	282	230	--
81-07-14	--	220	67	13	.1	3.3	30	351	290	--
81-07-14	--	230	71	10	.3	1.5	40	355	290	--
58-07-01	154	--	16	49	--	--	--	271	180	26
74-09-11	--	--	--	--	--	--	--	--	--	--
81-07-16	--	140	56	47	.2	.92	10	306	240	--
54-05-04	--	--	115	204	.1	--	--	--	448	--
80-08-22	250	--	220	160	.2	3.2	170	850	530	280
73-07-12	--	--	--	--	--	--	--	--	--	--
76-08-19	--	--	--	--	--	--	--	--	--	--
77-08-17	--	--	--	--	--	--	--	--	--	--
81-07-21	--	190	210	180	.2	2.3	100	793	520	--
81-07-22	--	220	240	67	.1	1.2	100	712	520	--
58-05-28	--	--	70	207	--	--	--	635	458	264
80-08-22	210	--	140	180	.2	2.6	90	708	510	300
58-06-30	141	--	10	37	--	--	--	231	162	21
74-09-11	--	--	--	--	--	--	--	--	--	--

Table 5.--Chemical analyses or temperature and specific

LOCATION	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	SILICA, DIS-SOLVED (MG/L AS SIO2)	IRON, DIS-SOLVED (UG/L AS FE)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
(D- 5- 1) 8AAA- 3	76-08-11	15.0	370	7.6	19	--	44	22	18	2.5
	77-07-12	14.0	365	6.6	19	--	36	15	15	1.9
	78-08-22	15.0	360	6.8	19	--	37	16	15	2.2
	79-07-19	14.5	370	--	--	--	--	--	--	--
	79-07-30	14.0	390	--	--	--	--	--	--	--
(D- 5- 1) 8ACC- 1	77-08-08	13.5	270	--	--	--	--	--	--	--
	82-04-14	13.5	260	--	15	<9	30	12	9.3	1.7
9ABA- 1	81-06-18	13.0	600	7.3	14	12	71	23	20	2.2
9DBB- 1	52-07-28	--	--	8.2	18	--	43	20	--	--
10BCC- 1	81-08-03	15.0	350	7.4	12	14	35	15	12	1.8
10BDD- 1	81-07-16	18.0	--	7.0	19	14	85	29	8.9	4.4
11BDD- 1	81-07-16	14.0	690	6.8	13	22	70	32	7.6	1.1
12CCD- 1	81-07-23	13.0	610	6.8	14	20	67	35	5.8	4.6
14BDC- 1	81-08-03	13.0	260	7.9	9.9	25	25	11	6.8	1.4
16ACD- 3	65-04-02	11.0	240	7.6	10	--	29	10	5.7	--
	66-04-12	11.0	250	7.9	10	--	27	11	--	--
16BBB- 6	57-11-26	11.0	510	7.2	11	--	54	24	--	--
	80-08-22	--	210	7.5	2.0	50	8.8	4.9	15	1.7
16DCD- 1	81-07-21	--	780	7.4	15	<10	70	42	29	2.3
17ACB- 5	81-07-31	13.0	630	7.4	14	32	67	27	21	2.3
17ADC-12	76-08-11	12.5	230	--	--	--	--	--	--	--
	80-09-05	13.0	245	--	--	--	--	--	--	--
	81-08-27	13.0	225	--	--	--	--	--	--	--
	82-09-16	13.5	230	--	--	--	--	--	--	--
17CBC- 1	81-07-23	13.5	590	8.5	15	11	61	25	22	2.0
17CDD- 5	81-07-21	12.0	260	8.2	13	12	23	9.9	7.5	1.0
18BAB- 2	73-07-12	13.0	230	--	--	--	--	--	--	--
	76-08-19	13.5	240	--	--	--	--	--	--	--
	78-08-29	14.0	240	--	--	--	--	--	--	--
	80-07-24	14.0	230	--	--	--	--	--	--	--
	81-03-11	12.0	220	--	--	--	--	--	--	--
18CAB- 2	57-11-27	13.5	360	7.3	10	--	26	14	--	--
	60-04-20	11.5	405	7.4	19	--	33	15	--	--
	61-05-25	14.5	395	7.7	--	--	--	--	--	--
	68-03-11	12.0	290	7.8	16	--	24	13	21	--
	68-10-15	14.0	310	8.0	15	--	24	15	20	--
	69-08-29	13.0	330	7.8	--	--	23	17	--	--
	71-10-07	14.0	305	--	--	--	--	--	--	--
	72-08-11	15.0	345	--	--	--	--	--	--	--
	73-06-18	14.5	300	--	--	--	--	--	--	--
	74-09-11	14.5	330	--	--	--	--	--	--	--
	75-08-18	15.5	300	--	--	--	--	--	--	--
	76-08-11	15.5	360	--	--	--	--	--	--	--
	76-08-18	15.5	300	--	--	--	--	--	--	--
	78-08-22	15.0	310	--	--	--	--	--	--	--
	79-07-30	15.0	330	--	--	--	--	--	--	--
	80-08-02	18.0	325	7.9	16	30	24	13	17	2.0
	81-08-25	15.5	330	--	--	--	--	--	--	--
	82-09-16	--	340	--	--	--	--	--	--	--
18CBC- 2	60-09-16	12.0	245	7.6	12	40	23	11	14	1.2
19CCC- 1	57-12-05	13.0	255	7.5	9.2	--	29	11	--	--
	60-04-20	13.0	260	7.8	14	--	30	10	--	--
	60-09-16	13.5	250	7.6	14	10	29	11	8.7	.9
	61-05-26	13.5	255	7.8	--	--	31	11	--	--
	65-03-18	13.0	255	7.8	12	--	33	9.0	7.8	.9
	66-03-28	13.0	255	8.0	14	--	30	9.2	12	--
	68-03-11	13.0	255	7.9	--	--	--	--	--	--
	68-10-15	13.0	260	8.0	14	--	28	15	--	--
	69-08-29	12.0	260	7.8	--	--	25	14	--	--
	71-10-07	11.5	235	--	--	--	--	--	--	--
	72-08-11	13.0	240	--	--	--	--	--	--	--
	73-06-18	12.5	220	--	--	--	--	--	--	--
	76-08-11	13.5	260	--	--	--	--	--	--	--
	77-07-12	13.0	245	--	--	--	--	--	--	--
	78-08-22	13.5	240	--	--	--	--	--	--	--

conductance of water from selected wells--Continued

DATE OF SAMPLE	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	BORON, DISSOLVED (UG/L AS B)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
76-08-11	130	--	20	34	.2	.55	<20	240	200	71
77-07-12	120	--	15	33	.2	--	<20	209	150	29
78-08-22	120	--	12	36	.2	.56	30	214	160	35
79-07-19	--	--	--	--	--	--	--	--	--	--
79-07-30	--	--	--	--	--	--	--	--	--	--
77-08-08	--	--	--	--	--	--	--	--	--	--
82-04-14	--	110	17	11	.2	--	20	162	120	--
81-06-18	--	200	60	19	.1	1.6	40	337	270	--
52-07-28	129	--	48	39	2.5	--	--	274	190	23
81-08-03	--	130	20	20	.2	1.4	10	200	150	--
81-07-16	--	260	63	8.4	.3	.87	50	378	330	--
81-07-16	--	200	70	6.7	.2	1.3	30	327	310	--
81-07-23	--	240	89	5.3	.4	1.0	30	370	310	--
81-08-03	--	100	12	5.8	.2	1.5	9	139	110	--
65-04-02	97	--	17	5.7	--	--	--	141	115	18
66-04-12	98	--	14	5.6	--	--	--	141	114	16
57-11-26	216	--	47	10	--	--	--	306	234	18
80-08-22	26	--	18	25	.2	.00	30	91	42	16
81-07-21	--	230	93	21	.2	--	80	411	350	--
81-07-31	--	190	64	23	.2	1.9	40	341	280	--
76-08-11	--	--	--	--	--	--	--	--	--	--
80-09-05	--	--	--	--	--	--	--	--	--	--
81-08-27	--	--	--	--	--	--	--	--	--	--
82-09-16	--	--	--	--	--	--	--	--	--	--
81-07-23	--	210	68	16	.2	1.2	20	341	260	--
81-07-21	--	99	6.0	7.9	.2	.77	5	131	98	--
73-07-12	--	--	--	--	--	--	--	--	--	--
76-08-19	--	--	--	--	--	--	--	--	--	--
78-08-29	--	--	--	--	--	--	--	--	--	--
80-07-24	--	--	--	--	--	--	--	--	--	--
81-03-11	--	--	--	--	--	--	--	--	--	--
57-11-27	134	--	8.0	29	--	--	--	196	122	0
60-04-20	148	--	10	35	--	--	--	230	145	0
61-05-25	144	--	--	36	--	--	--	--	--	--
68-03-11	121	--	9.5	19	--	--	--	176	113	0
68-10-15	125	--	7.2	22	--	--	--	179	120	0
69-08-29	133	--	8.2	25	--	--	--	--	125	0
71-10-07	--	--	--	--	--	--	--	--	--	--
72-08-11	--	--	--	--	--	--	--	--	--	--
73-06-18	--	--	--	--	--	--	--	--	--	--
74-09-11	--	--	--	--	--	--	--	--	--	--
75-08-18	--	--	--	--	--	--	--	--	--	--
76-08-11	--	--	--	--	--	--	--	--	--	--
76-08-18	--	--	--	--	--	--	--	--	--	--
78-08-22	--	--	--	--	--	--	--	--	--	--
79-07-30	--	--	--	--	--	--	--	--	--	--
80-08-02	120	--	8.9	21	.4	.26	50	175	110	0
81-08-25	--	--	--	--	--	--	--	--	--	--
82-09-16	--	--	--	--	--	--	--	--	--	--
60-09-16	111	--	7.6	13	1.0	--	30	149	103	0
57-12-05	116	--	5.0	5.5	--	--	--	138	116	0
60-04-20	116	--	10	5.9	--	--	--	148	117	1
60-09-16	113	--	15	8.0	--	--	20	155	119	6
61-05-26	116	--	10	6.0	--	--	--	135	121	5
65-03-18	118	--	11	9.0	.3	--	--	155	120	2
66-03-28	116	--	12	7.1	--	--	--	155	114	0
68-03-11	116	--	--	--	--	--	--	--	--	--
68-10-15	120	--	12	8.0	--	--	--	156	132	12
69-08-29	120	--	12	7.1	--	--	--	140	120	0
71-10-07	--	--	--	--	--	--	--	--	--	--
72-08-11	--	--	--	--	--	--	--	--	--	--
73-06-18	--	--	--	--	--	--	--	--	--	--
76-08-11	--	--	--	--	--	--	--	--	--	--
77-07-12	--	--	--	--	--	--	--	--	--	--
78-08-22	--	--	--	--	--	--	--	--	---	-

Table 5.--Chemical analyses or temperature and specific

LOCATION	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	SILICA, DIS-SOLVED (MG/L AS SIO2)	IRON, DIS-SOLVED (UG/L AS FE)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
(D- 5- 1)19CCC- 1	79-07-30	14.5	280	--	--	--	--	--	--	--
	80-08-21	14.5	260	7.4	12	20	25	11	6.6	1.0
	81-08-25	13.5	250	--	--	--	--	--	--	--
	81-10-20	13.0	255	--	--	--	--	--	--	--
	82-09-16	--	255	--	--	--	--	--	--	--
20ABA- 1	76-08-12	12.0	240	--	--	--	--	--	--	--
	77-08-08	12.0	255	--	--	--	--	--	--	--
	80-08-22	12.0	260	7.9	11	10	27	11	7.1	1.1
	80-09-05	12.0	260	--	--	--	--	--	--	--
	81-08-27	12.5	260	--	--	--	--	--	--	--
21DBA- 2	58-01-09	10.5	720	8.0	14	--	77	33	--	--
	81-07-21	12.0	680	7.7	16	14	69	33	24	1.7
21DBA- 3	58-01-09	11.0	390	7.7	11	--	43	18	--	--
	80-08-22	13.5	420	7.4	12	10	44	20	7.0	1.0
21DDA- 2	57-12-18	11.0	355	7.2	11	--	41	17	--	--
	80-08-22	12.0	400	7.1	11	10	43	18	5.6	1.0
	81-07-21	13.0	400	7.8	11	18	41	18	5.5	.9
22DDC- 1	81-07-21	12.5	420	7.9	12	34	46	21	6.1	1.0
23ABC- 1	81-07-27	14.0	470	7.2	11	29	52	24	9.2	1.1
23DAB- 3	76-08-11	11.5	440	--	--	--	--	--	--	--
	78-08-22	11.5	410	--	--	--	--	--	--	--
	79-09-17	11.5	400	--	--	--	--	--	--	--
	80-09-04	11.5	460	--	--	--	--	--	--	--
	81-08-27	12.0	430	--	--	--	--	--	--	--
	81-10-22	11.5	440	--	--	--	--	--	--	--
	82-09-16	12.0	460	--	--	--	--	--	--	--
26BAD- 1	81-07-21	13.0	850	7.6	16	37	84	37	45	1.9
27DAA- 1	81-07-27	11.5	620	7.6	15	13	83	36	38	1.7
35ACB- 1	57-12-10	10.5	900	7.1	9.1	--	88	44	--	--
	80-08-22	12.0	860	7.2	15	20	85	37	32	1.6
36BDB- 1	81-07-25	13.0	900	7.7	16	1400	91	38	41	1.3
(D- 5- 2) 6ACD- 1	81-07-31	13.0	560	7.8	9.8	47	68	26	8.8	1.1
8CCC- 1	55-06-08	--	--	7.5	10	--	122	53	--	--
18ABA- 1	81-07-13	13.0	700	7.5	13	20	76	32	30	1.2
19CCC- 1	81-07-27	13.0	490	7.3	12	21	55	24	7.0	1.1
19DDB- 1	81-07-29	17.5	850	7.6	15	11	66	51	31	4.2
20ABD- 1	81-08-27	13.0	240	7.8	1.4	46	10	14	11	1.3
21CBA- 1	58-08-28	11.5	620	7.2	10	--	73	31	--	--
	81-07-30	13.0	650	8.3	11	<10	72	31	14	.9
27BAA- 1	81-07-27	--	560	7.7	11	22	59	26	20	1.1
29BAD- 4	58-05-08	11.0	455	7.8	8.9	--	58	21	--	--
	80-08-27	13.0	620	7.5	9.6	<10	69	26	12	.9
29CAA- 1	81-08-27	13.0	410	6.7	11	12	49	21	5.3	1.0
29CAA- 2	57-12-10	11.0	560	7.1	5.2	--	51	21	--	--
	59-05-28	11.0	570	7.6	11	--	83	19	--	--
	81-03-17	11.5	650	--	--	--	--	--	--	--
29DBD-13	81-08-27	12.0	380	--	10	48	49	21	5.2	1.1
	82-09-16	14.0	420	--	--	--	--	--	--	--
30CCB- 2	61-05-26	11.5	780	8.1	12	10	--	32	37	1.1
	62-03-05	10.0	750	8.0	--	--	--	--	--	--
	65-04-02	11.0	700	7.7	10	--	76	32	34	1.0
	66-03-28	11.0	710	7.9	14	--	71	33	35	--
	68-03-12	10.0	690	7.8	--	--	--	--	--	--
	69-09-04	10.0	660	8.0	--	--	--	--	--	--
	71-10-07	11.0	860	--	--	--	--	--	--	--
	72-08-11	11.5	770	7.5	13	--	85	37	27	1.4
	73-07-30	13.5	720	7.7	14	--	73	34	30	1.4
	74-09-11	12.5	720	--	--	--	--	--	--	--
	75-08-18	12.5	700	--	--	--	--	--	--	--
	76-08-12	12.0	740	7.4	13	--	85	35	32	2.1
	77-07-12	12.0	740	--	--	--	--	--	--	--
	78-08-28	11.5	720	--	--	--	--	--	--	--
	80-08-27	12.0	820	7.5	14	0	77	36	32	1.7
	81-08-25	13.0	800	--	--	--	--	--	--	--
	82-09-20	14.0	800	--	--	--	--	--	--	--

conductance of water from selected wells--Continued

DATE OF SAMPLE	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	BORON, DISSOLVED (UG/L AS B)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
79-07-30	--	--	--	--	--	--	--	--	--	--
80-08-21	110	--	11	6.9	.3	.00	30	140	110	0
81-08-25	--	--	--	--	--	--	--	--	--	--
81-10-20	--	--	--	--	--	--	--	--	--	--
82-09-16	--	--	--	--	--	--	--	--	--	--
76-08-12	--	--	--	--	--	--	--	--	--	--
77-08-08	--	--	--	--	--	--	--	--	--	--
80-08-22	92	--	18	8.3	.3	1.9	40	148	110	21
80-09-05	--	--	--	--	--	--	--	--	--	--
81-08-27	--	--	--	--	--	--	--	--	--	--
58-01-09	221	--	110	31	--	--	--	433	325	104
81-07-21	--	220	99	17	.2	2.0	40	401	310	--
58-01-09	141	--	39	11	--	--	--	221	180	39
80-08-22	140	--	44	11	.2	1.5	20	230	190	52
57-12-18	143	--	30	9.5	--	--	--	206	173	30
80-08-22	140	--	43	11	.2	1.1	40	222	180	42
81-07-21	--	130	42	8.0	.2	.88	7	209	180	--
81-07-21	--	140	50	8.1	.2	.90	7	233	200	--
81-07-27	--	180	63	7.6	.2	.83	10	280	230	--
76-08-11	--	--	--	--	--	--	--	--	--	--
78-08-22	--	--	--	--	--	--	--	--	--	--
79-09-17	--	--	--	--	--	--	--	--	--	--
80-09-04	--	--	--	--	--	--	--	--	--	--
81-08-27	--	--	--	--	--	--	--	--	--	--
81-10-22	--	--	--	--	--	--	--	--	--	--
82-09-16	--	--	--	--	--	--	--	--	--	--
81-07-21	--	220	170	24	.3	2.5	70	522	360	--
81-07-27	--	170	170	32	.3	1.4	30	484	360	--
57-12-10	189	--	184	70	--	--	--	548	402	213
80-08-22	200	--	160	46	.3	.87	80	501	360	160
81-07-25	--	150	190	37	.2	.14	40	507	380	--
81-07-31	--	200	100	8.9	1.4	.46	20	346	280	--
55-06-08	258	--	323	60	.5	--	--	--	524	268
81-07-13	--	210	130	21	.2	1.9	30	438	320	--
81-07-27	--	140	73	11	.2	1.5	10	274	240	--
81-07-29	--	240	140	19	.9	1.8	110	479	370	--
81-08-27	--	39	42	18	.2	.11	0	122	83	--
58-08-28	--	--	84	17	--	--	--	380	308	73
81-07-30	--	220	91	11	.2	1.1	--	368	310	--
81-07-27	--	180	59	18	.4	1.3	40	309	250	--
58-05-08	--	--	47	10	--	--	--	271	229	44
80-08-27	210	--	79	15	.2	2.4	40	349	280	69
81-08-27	--	150	58	8.5	.2	1.5	0	251	210	--
57-12-10	230	--	10	12	--	--	--	269	274	45
59-05-28	212	--	82	18	--	--	--	365	287	75
81-03-17	--	--	--	--	--	--	--	--	--	--
81-08-27	--	140	52	9.3	.2	1.3	0	238	210	--
82-09-16	--	--	--	--	--	--	--	--	--	--
61-05-26	221	--	151	33	.1	--	40	492	352	131
62-03-05	228	--	153	28	--	--	--	--	354	126
65-04-02	217	--	134	26	.3	--	--	452	322	106
66-03-28	213	--	131	24	--	--	--	442	312	99
68-03-12	213	--	--	--	--	--	--	--	--	--
69-09-04	198	--	--	--	--	--	--	--	328	130
71-10-07	--	--	--	--	--	--	--	--	--	--
72-08-11	253	--	130	24	--	--	--	469	360	110
73-07-30	215	--	130	24	--	--	--	435	320	110
74-09-11	--	--	--	--	--	--	--	--	--	--
75-08-18	--	--	--	--	--	--	--	--	--	--
76-08-12	218	--	140	26	.3	2.1	50	474	360	140
77-07-12	--	--	--	--	--	--	--	--	--	--
78-08-28	--	--	--	--	--	--	--	--	--	--
80-08-27	220	--	150	25	.3	2.6	70	480	340	120
81-08-25	--	--	--	--	--	--	--	--	--	--
82-09-20	--	--	--	--	--	--	--	--	--	--

Table 5.--Chemical analyses or temperature and specific

LOCATION	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	SILICA, DIS-SOLVED (MG/L AS SIO2)	IRON, DIS-SOLVED (UG/L AS FE)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
(D- 5- 2)32BDB- 2	54-07-08	--	600	7.8	13	40	76	29	13	.5
	61-05-26	11.0	610	8.0	10	--	80	26	16	.8
	62-06-26	10.5	580	7.7	--	--	--	--	--	--
	81-03-17	--	630	--	--	--	--	--	--	--
32BDB- 3	60-04-20	11.0	380	8.2	13	--	45	17	--	--
	60-09-21	11.0	380	8.4	12	--	45	18	12	2.1
	81-03-17	11.5	390	--	--	--	--	--	--	--
34CAC- 1	81-08-31	13.0	580	7.7	9.8	<10	70	24	15	1.0
34CCB- 1	81-08-31	14.0	700	8.3	16	170	80	28	29	4.7
34CDD- 1	79-07-20	12.0	600	--	--	--	--	--	--	--
	81-07-20	13.5	750	--	17	<10	92	29	25	2.9
(D- 6- 2) 6ACC- 1	57-12-10	14.0	790	7.2	12	--	65	27	--	--
	60-04-20	14.5	780	7.8	18	--	67	26	--	--
	60-09-16	14.0	690	8.2	15	30	49	28	58	5.1
	61-05-26	14.5	760	8.0	--	--	69	25	--	--
	62-06-26	14.5	780	7.9	19	--	71	26	59	5.5
	81-07-25	16.0	780	7.7	21	700	65	28	60	6.2
8BCD- 4	48-04-01	--	--	7.9	18	20	19	11	--	--
	48-12-07	--	--	8.0	15	--	25	9.4	--	--
	60-04-20	20.5	285	7.7	20	--	29	11	--	--
9CCC- 1	82-04-22	13.5	460	8.3	13	620	59	14	12	3.3
11CDD- 1	81-08-31	15.5	540	6.9	16	<10	51	24	18	1.8
13CAB- 1	81-08-31	13.0	520	6.7	14	<10	64	18	12	2.4
14BCD- 1	81-08-31	16.0	460	6.6	17	<10	42	19	20	1.7
17ACA- 1	81-09-01	13.5	560	7.6	21	19	61	22	16	5.0
17CAB- 1	81-08-27	18.5	320	6.9	20	110	32	13	16	1.4
17DAC- 1	73-07-30	13.0	600	--	--	--	--	--	--	--
	80-07-25	13.0	590	--	--	--	--	--	--	--
	81-07-20	13.5	600	--	--	--	--	--	--	--
18ABB- 2	58-04-16	14.0	560	7.5	15	--	67	23	--	--
	80-08-27	16.5	580	7.3	18	<10	63	24	16	4.2
21CCA- 4	58-04-16	11.5	560	7.5	16	--	71	21	--	--
	80-08-27	15.0	610	7.1	18	<10	67	21	15	5.7
21CDC- 2	58-04-16	14.5	360	7.8	18	--	36	14	--	--
	60-04-20	13.0	345	8.2	18	--	37	13	--	--
	60-09-16	14.5	360	8.0	17	10	38	13	20	.9
	61-05-25	14.5	365	8.2	--	--	39	13	--	--
	80-08-27	--	365	7.4	20	<10	35	14	19	1.4
22DBD- 2	81-08-28	12.5	550	7.3	19	17	66	20	15	5.0
24CAA- 1	81-07-29	11.0	500	8.3	14	<10	64	16	11	2.7
26CDD- 1	81-08-27	--	640	6.9	25	16	72	22	26	4.4
26DDD- 1	76-08-18	13.0	485	--	--	--	--	--	--	--
	77-08-15	13.0	490	--	--	--	--	--	--	--
	81-07-20	14.0	500	--	16	20	58	19	14	1.9
28BAD- 1	76-08-12	21.0	520	--	--	--	--	--	--	--
	78-08-22	16.0	490	--	--	--	--	--	--	--
	81-10-23	13.0	570	--	--	--	--	--	--	--
28BBB- 1	82-04-22	15.0	540	8.6	15	310	72	20	17	3.5
(D- 6- 3) 7CCC- 1	81-08-28	12.5	440	6.9	9.6	38	54	15	13	1.8
30BDC- 1	81-08-28	--	900	6.9	26	1900	64	52	19	22
31CAB- 2	56-08-20	--	630	8.2	4.8	--	34	34	62	--
	81-08-31	16.5	610	7.2	13	13	55	23	31	1.6
(D- 7- 2) 1ACA- 1	58-10-18	13.5	620	7.6	12	--	79	27	--	--
	60-04-20	14.0	560	7.9	15	--	63	22	--	--
	60-09-21	14.0	620	7.8	11	--	79	26	16	2.7
	61-06-14	14.0	640	7.6	--	--	84	24	--	--
	62-06-26	--	580	7.5	16	--	62	21	28	2.0
	81-08-31	15.0	720	6.8	13	97	86	30	20	3.0
2BBB- 1	81-08-28	--	560	7.7	22	260	30	15	66	2.8
4CBB- 2	58-05-05	13.0	530	7.5	19	--	63	23	--	--
	61-06-14	13.0	550	7.8	16	--	68	23	17	2.7
	80-08-27	13.5	580	7.3	19	10	62	23	16	3.0
	82-09-20	14.0	570	--	--	--	--	--	--	--
4CDB- 1	81-08-28	14.0	560	7.7	20	640	61	24	19	3.1
5DAA- 1	58-05-01	11.5	510	7.8	18	--	57	20	--	--

conductance of water from selected wells--Continued

DATE OF SAMPLE	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	BORON, DISSOLVED (UG/L AS B)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
54-07-08	230	--	80	20	.2	--	60	370	308	79
61-05-26	225	--	84	20	.2	--	30	372	306	81
62-06-26	187	--	97	18	--	--	--	--	279	92
81-03-17	--	--	--	--	--	--	--	--	--	--
60-04-20	177	--	22	4.5	--	--	--	--	180	3
60-09-21	174	--	21	6.5	.2	--	30	229	184	4
81-03-17	--	--	--	--	--	--	--	--	--	--
81-08-31	--	230	51	10	.1	1.4	10	325	270	--
81-08-31	--	340	10	18	.2	.11	50	391	320	--
79-07-20	--	--	--	--	--	--	--	--	--	--
81-07-20	--	270	82	32	.2	--	60	442	350	--
57-12-10	--	--	62	64	--	--	--	460	272	5
60-04-20	266	--	63	58	--	--	--	454	275	9
60-09-16	220	--	64	62	.2	--	17	414	238	18
61-05-26	264	--	63	60	--	--	--	438	276	12
62-06-26	267	--	62	57	.2	--	150	461	284	18
81-07-25	--	250	70	37	.3	.13	170	439	280	--
48-04-01	131	--	11	9.0	--	--	--	--	93	0
48-12-07	138	--	8.2	14	.2	--	--	--	102	0
60-04-20	130	--	13	5.9	--	--	--	173	117	0
82-04-22	--	200	7.0	12	.2	--	50	241	210	--
81-08-31	--	150	48	43	.2	.92	20	296	230	--
81-08-31	--	180	52	22	.2	.76	50	296	230	--
81-08-31	--	150	39	31	.2	.75	0	263	180	--
81-09-01	--	190	50	22	.1	1.3	60	317	240	--
81-08-27	--	150	4.0	4.6	.2	.12	20	182	130	--
73-07-30	--	--	--	--	--	--	--	--	--	--
80-07-25	--	--	--	--	--	--	--	--	--	--
81-07-20	--	--	--	--	--	--	--	--	--	--
58-04-16	227	--	52	14	--	--	--	331	260	33
80-08-27	220	--	51	15	.2	1.5	60	330	260	36
58-04-16	--	--	60	10	--	--	--	338	262	34
80-08-27	230	--	57	11	.2	.67	--	336	250	24
58-04-16	144	--	21	12	--	--	--	206	146	2
60-04-20	145	--	22	12	--	--	--	207	146	1
60-09-16	145	--	16	24	.2	--	40	216	146	1
61-05-25	144	--	17	21	--	--	--	196	151	7
80-08-27	140	--	25	12	.3	.15	50	212	150	5
81-08-28	--	210	54	14	.2	.62	40	322	250	--
81-07-29	--	180	52	15	.2	.77	--	287	230	--
81-08-27	--	250	62	14	.2	.22	60	377	270	--
76-08-18	--	--	--	--	--	--	--	--	--	--
77-08-15	--	--	--	--	--	--	--	--	--	--
81-07-20	--	150	61	23	.5	--	50	284	220	--
76-08-12	--	--	--	--	--	--	--	--	--	--
78-08-22	--	--	--	--	--	--	--	--	--	--
81-10-23	--	--	--	--	--	--	--	--	--	--
82-04-22	--	230	64	13	.1	--	70	343	260	--
81-08-28	--	150	44	29	.2	.52	60	259	200	--
81-08-28	--	360	53	38	.2	.12	90	493	370	--
56-08-20	--	--	73	94	.8	--	--	392	224	--
81-08-31	--	160	30	76	.2	.30	20	327	230	--
58-10-18	243	--	71	22	--	--	--	376	310	67
60-04-20	197	--	59	29	--	--	--	329	249	52
60-09-21	227	--	87	22	.4	--	50	383	306	79
61-06-14	243	--	74	22	--	--	--	--	310	67
62-06-26	191	--	51	41	.2	--	60	337	240	49
81-08-31	--	240	85	23	.2	.87	30	409	340	--
81-08-28	--	280	1.0	9.5	.4	.11	200	316	140	--
58-05-05	222	--	47	16	--	--	--	321	251	29
61-06-14	228	--	51	14	.2	--	50	329	264	36
80-08-27	220	--	52	15	.3	.20	50	324	250	30
82-09-20	--	--	--	--	--	--	--	--	--	--
81-08-28	--	220	46	19	.2	.11	40	326	250	--
58-05-01	--	--	23	18	--	--	--	297	226	0

Table 5.--Chemical analyses or temperature and specific

LOCATION	DATE OF SAMPLE	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	SILICA, DISSOLVED (MG/L AS SIO2)	IRON, DISSOLVED (UG/L AS FE)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
(D- 7- 2) 5DAA-1	80-08-27	13.0	580	7.4	18	10	61	22	16	2.9
11DDC- 1	81-08-28	15.0	590	7.8	21	540	64	27	16	2.4
11DDC- 2	81-08-28	--	610	7.6	21	890	66	28	16	2.8
34DCD- 1	64-05-13	13.5	710	8.5	--	--	46	30	73	5.9
	65-06-22	14.0	570	8.6	--	--	16	29	75	5.5
	81-03-26	13.5	640	--	--	--	--	--	--	--
(D- 7- 3) 7ADC- 1	65-02-10	17.0	620	7.3	11	--	51	24	53	--
	65-03-01	--	750	7.4	13	--	50	24	83	--
28BDB- 1	63-06-21	--	1490	7.5	14	140	188	63	--	--
	68-10-14	--	1120	7.8	1.4	--	73	69	--	--
	69-09-03	--	1170	7.9	--	--	81	80	--	--
	71-10-08	--	1000	--	--	--	--	--	--	--
	72-06-18	--	1120	8.0	.7	--	73	64	63	5.7
	73-06-18	--	1120	8.0	.7	--	73	64	63	5.7
	74-09-09	--	1160	--	1.0	--	77	64	60	7.2
	75-08-18	--	1050	--	--	--	--	--	--	--
	76-08-12	--	1150	--	--	--	--	--	--	--
	77-07-12	--	1150	--	--	--	--	--	--	--
	78-08-22	--	1150	--	--	--	--	--	--	--
	79-07-30	--	1200	7.9	1.0	--	82	66	60	6.8
	80-09-03	--	1120	8.5	--	--	--	--	--	--
	81-07-30	--	1180	--	--	--	--	--	--	--
30AAA- 1	81-08-28	14.0	490	7.5	5.8	17	44	15	33	2.5
33BAA- 6	59-02-11	12.0	540	7.8	11	--	71	22	--	--
	60-04-21	12.0	540	8.1	10	--	69	22	--	--
	60-09-15	12.0	500	8.3	9.8	10	69	20	15	1.1
	61-05-26	12.0	530	7.7	--	--	74	21	--	--
	76-08-12	12.5	560	--	--	--	--	--	--	--
	77-08-10	13.0	540	--	--	--	--	--	--	--
	78-08-22	13.5	540	--	--	--	--	--	--	--
	80-09-03	13.0	580	--	--	--	--	--	--	--
	81-09-03	12.5	580	--	--	--	--	--	--	--
	82-09-20	13.0	580	--	--	--	--	--	--	--

conductance of water from selected wells--Continued

DATE OF SAMPLE	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	BORON, DISSOLVED (UG/L AS B)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
80-08-27	210	--	47	15	.3	.00	60	309	240	33
81-08-28	--	230	49	19	.2	.11	30	338	270	--
81-08-28	--	240	59	21	.2	.11	30	360	280	--
64-05-13	--	--	5.3	43	--	--	--	--	236	0
65-06-22	--	--	11	44	--	--	--	--	160	0
81-03-26	--	--	--	--	--	--	--	--	--	--
65-02-10	207	--	74	41	.6	--	--	380	228	21
65-03-01	226	--	77	66	--	--	--	455	224	0
63-06-21	212	--	537	78	--	--	--	1080	730	518
68-10-14	52	--	444	87	--	--	--	786	464	412
69-09-03	70	--	413	80	--	--	--	733	532	462
71-10-08	--	--	--	--	--	--	--	--	--	--
72-06-18	30	--	430	84	--	--	--	738	450	420
73-06-18	30	--	430	84	--	--	--	738	450	420
74-09-09	--	--	430	86	--	--	--	--	460	430
75-08-18	--	--	--	--	--	--	--	--	--	--
76-08-12	--	--	--	--	--	--	--	--	--	--
77-07-12	--	--	--	--	--	--	--	--	--	--
78-08-22	--	--	--	--	--	--	--	--	--	--
79-07-30	34	--	450	85	.3	<.10	180	772	480	440
80-09-03	--	--	--	--	--	--	--	--	--	--
81-07-30	--	--	--	--	--	--	--	--	--	--
81-08-28	--	190	<5.0	28	.3	.11	50	248	170	--
59-02-11	235	--	43	13	--	--	--	318	267	32
60-04-21	230	--	45	14	--	--	--	314	265	35
60-09-15	222	--	46	14	.2	--	30	311	256	35
61-05-26	228	--	45	14	--	--	--	--	269	41
76-08-12	--	--	--	--	--	--	--	--	--	--
77-08-10	--	--	--	--	--	--	--	--	--	--
78-08-22	--	--	--	--	--	--	--	--	--	--
80-09-03	--	--	--	--	--	--	--	--	--	--
81-09-03	--	--	--	--	--	--	--	--	--	--
82-09-20	--	--	--	--	--	--	--	--	--	--

Table 6.—Records of selected springs

Location: See text for explanation of numbering system for hydrologic-data sites.
Altitude of land surface: Altitudes interpolated from U.S. Geological Survey topographic maps.
Source of water: Geologic unit from which spring issues; Qal, Quaternary alluvial deposits; LB, Lake Bonneville deposits; Mls, Mississippian limestone; U, unknown.
Discharge: m, measured; e, estimated.
Water-quality parameters: Measured in field on indicated date; specific conductance is in micromhos per centimeter at 25 degrees Celsius; letter C, see table 8 for additional water-quality data.

Location	Date	Altitude of land surface (ft)	Source of water	Discharge (gal/min)	Water-quality parameters		Remarks
					Water temperature (°C)	Specific conductance	
(C-4-1)35ccc-S1	10-20-80	4,700	U	4e	13.0	950	Unnamed, unused spring
(D-4-2)7dba-S1	6-27-81	5,720	U	–	9.0	165C	Upper Schoolhouse Spring, used by Alpine and Lehi Cities
7dba-S2	6-27-81	5,640	U	–	11.0	205C	Lower Schoolhouse Spring, used by Alpine and Lehi Cities
8cad-S1	6-27-81	5,860	Mls	5e	11.5	C	Phelps Canyon Spring, unused
17bad-S1	6-27-81	5,860	Mls	400e	7.0	345C	Grove Spring, used by Alpine City
20cab-S1	7-28-81	5,360	Qal	100e	16.0	430C	Willow Creek Spring, used by Alpine City
(D-5-2)16dab-S1	7-31-81	5,440	Mls	1,000e	16.0	760C	Wadley Spring, used by town of Manila
22bbb-S1	6-23-80	5,160	Qal	63m	15.0	690C	Unnamed, unused spring
22bbb-S2	7-30-81	5,240	Mls	1,000e	16.0	680C	Wade Spring, used by Pleasant Grove City
(D-6-2)4ccc-S1	11-10-81	4,600	LB	615m	11.5	700	Fugal Spring, used by United States Steel Co., Geneva works
	4-21-82			260m	14.0	660C	
	9- 9-82			325m	19.5	720	
9bba-S1	11-10-81	4,595	LB	16m	11.5	780	Unnamed spring used by United States Steel Co., Geneva works

Table 7.—Field measurements of discharge, temperature, and specific conductance at selected surface-water sites

Location: See text for explanation of numbering systems for hydrologic-data sites; letter following sequence number indicates; W, stream or river; D, drain, ditch, or canal.
Specific conductance: Is in micromhos per centimeter at 25 degrees Celsius; letter C, see table 8 for additional water-quality data.

Location	Date	Discharge (ft^3/s)	Water temperature (^oC)	Specific conductance	Site description
(D-4-1)13abb-1W	6-19-80	29.1	8.0	64C	Fort Creek 1.7 mi north of Alpine City at bridge.
	6-30-81	7.76	13.0	140C	
	4-28-82	35.2	—	—	
31cbd-1D	7-16-81	6.22	16.5	440C	Fox Ditch at Highway I-15.
34acc-1W	7-14-81	—	17.0	480C	Dry Creek upstream from siphon.
(D-4-2)18abd-1W	6-19-80	114	7.0	89C	Dry Creek 2 mi north of Alpine City near old gaging station.
	6-30-81	21.0	15.5	105C	
	4-28-82	29.0	—	—	
26abd-1W	6-25-81	—	11.5	325C	American Fork at gaging station.
32bbd-1W	6-23-80	—	10.0	280C	American Fork at mouth of canyon.
(D-5-1)4abb-1W	7-14-81	54.3	16.0	425C	Dry Creek 1.5 mi north of Lehi City near gravel pit.
12cda-1D	7-29-81	—	14.5	380C	Mitchell Ditch at golf course.
15acd-1D	9- 9-82	9.88	17.0	650	Mitchell Hollow, downstream of Highway 89.
15baa-1D	9- 9-82	6.13	—	—	Mitchell Hollow, downstream of 8800 North.
15cbb-1D	4-27-82	4.54	12.0	750C	Inflow to Mill Pond, north arm.
	9- 9-82	9.44	16.0	750	
15cbd-1D	4-27-82	9.52	—	—	Inflow to Mill Pond, south arm.
	9- 9-82	17.4	15.0	680	
15ccb-1D	9-12-68	17.4	16.0	680C	Inflow to Mill Pond, both arms.
16adb-1D	9- 9-82	5.42	—	—	Inflow to Mill Pond on southwest side Highway I-15.
16ddb-1D	10-28-81	.01	—	—	Spring Ditch outlet of Mill Pond.
	9- 9-82	8.58	18.5	680	
16ddd-1W	8- 3-81	—	25.0	650C	Spring Creek downstream from concrete weir at Mill Pond outlet.
	10-28-81	10.1	10.0	700	
16ddd-2W	10-28-81	23.7	10.5	700	Spring Creek between 8170 North and Denver and Rio Grande Railroad tracks.
	4-27-82	13.7	14.5	700	
	9- 9-82	28.5	18.0	700	
19dda-1D	10-27-81	.44	13.0	850	Drain downstream from 7300 North, 0.75 mi east of 9550 West.

Table 7.—Field measurements of discharge, temperature, and specific conductance at selected surface-water sites—Continued

Location	Date	Discharge (ft^3/s)	Water temperature (^oC)	Specific conductance	Site description
(D-5-1)20dcb-1D	10-27-81	0.69	13.0	650	Drain downstream from intersection of 8350 West and 7300 North.
	4-21-82	1.21	8.0	640	
21adb-1D	10-28-81	1.78	12.0	730	Drain upstream from junction with Spring Creek.
	4-27-82	1.34	13.0	750	
	9- 9-82	2.71	—	—	
21cac-1D	10-27-81	5.47	13.0	750	Drain downstream from junction of east and west forks and 7550 North.
	4-22-82	3.64	10.0	820C	
21ccb-1D	10-27-81	.30	11.5	640	Drain east of 8000 West at 7300 North.
	4-21-82	.28	8.5	600	
22bbb-1D	9- 9-82	3.41	20.0	700	Mill Pond outflow, downstream of 8170 North.
22dac-1D	11- 3-81	.83	12.5	690	Drain downstream from 6500 West, 0.3 mi south of 7750 North.
26cac-1D	11- 3-81	1.63	13.5	690	Drain 1.3 mi south of 7750 North on east side of farm road.
	4-22-82	2.40	14.0	670C	
26dbb-1D	11- 4-81	.11	11.0	880	Drain upstream from junction with American Fork on east side of 6000 West.
26dbb-2W	11- 4-81	.69	8.0	630	American Fork upstream from junction with site (D-5-1)26dbb-1 and downstream from 6800 North.
27bbd-1D	11- 3-81	1.94	10.5	720	Drain, same drain as (D-5-1)22dac-1 and 1 mi downstream.
	4-21-82	1.69	11.5	710	
27bdd-1D	11- 3-81	.13	8.5	860	Drain on east side of farm road about 0.5 mi west of 6500 West and 1 mi south of 7750 North.
27dda-1D	10-28-81	3.58	14.0	670	Drain at south end of 6500 West.
	4-22-82	3.27	13.0	680C	
28aba-1W	10-27-81	28.3	—	—	Spring Creek near mouth.
	4-27-82	16.6	—	700C	
35aab-1D	11- 4-81	1.90	12.0	750	Drain downstream from 6400 North, 0.25 mi east of 6000 West
35abb-1W	8- 3-81	—	28.0	500C	American Fork upstream from 6400 North.
35bda-1W	11 -4-81	.76	6.5	800	American Fork near mouth.
36abc-1D	11- 4-81	4.50	11.5	740	Drain west of sewage treatment plant and 0.2 mi south of 6400 North.
	4-22-82	2.44	17.0	780C	
36bab-1D	11- 4-81	2.07	12.5	900	Drain downstream from 6400 North at intersection with 5300 West.

Table 7.—Field measurements of discharge, temperature, and specific conductance at selected surface-water sites—Continued

Location	Date	Discharge (ft^3/s)	Water temperature (^oC)	Specific conductance	Site description
(D-5-1)36bbb-1D	11- 4-81	2.10	12.5	650	Drain downstream from 6400 North,
	4-22-82	3.04	17.0	640C	0.5 mi east of 6000 West.
(D-5-2)22baa-1W	6-23-80	8.85	10.0	410C	Grove Creek east of Pleasant Grove
	9- 2-81	2.13	14.0	410C	City at mouth of canyon.
22dda-1W	6-20-80	2.71	11.0	340C	Battle Creek east of Pleasant Grove
	8- 2-81	3.57	12.5	325C	City at mouth of canyon.
31cdc-1D	11- 4-81	.54	7.5	1,280	Drain on west side of Denver and Rio Grande Railroad tracks north of Orem City landfill.
(D-6-2)6baa-1D	11- 4-81	28.8	11.5	850	Drain near mouth, downstream from
	4-27-82	16.8	14.5	820C	Denver and Rio Grande Railroad tracks west of Orem City landfill.
7dcc-1D	11-10-81	.19	12.0	630	Drain west of United States Steel plant near Utah Lake.
8aaa-1D	11-10-81	.35	10.0	950	Drain east of Highway U-114, south
	4-21-82	.33	14.0	900	side of 12th South.
16bbc-1D	11- 9-81	.05	10.0	750	Drain east of Highway U-114 and 0.4 mi south of 400 North.
17dda-1D	11- 9-81	4.65	10.5	820	Lake Bottom Canal downstream from Highway U-114.
18abb-1D	11-10-81	.50	7.0	1,000	Drain at west end of 4000 North.
	4-21-82	.61	12.5	980	
28bcc-1D	11-12-81	.06	13.0	500	Drain 0.45 mi directly west of High-way U-114.
28cbd-1D	11-12-81	.70	9.5	1,000	Drain 0.5 mi directly west of High-way U-114.
29aba-1D	11-10-81	.13	12.5	1,100	Drain 0.6 mi directly west of High-way U-114 near Powell Slough Waterfowl Management Area.
29adc-1D	11-12-81	.52	13.0	760	Drain 0.7 mi directly west of High-way U-114.
33bba-1D	11-13-81	.32	11.5	950	Drain 0.6 mi directly west of High-way U-114.
33bbd-1D	11-13-81	1.31	11.5	980	Drain near mouth, 0.8 mi directly west of Highway U-114.
(D-6-3)7baa-1W	6-20-80	62.2	13.5	350C	Provo River 0.4 mi upstream from mouth of canyon.
29dbd-1W	6-23-80	6.52	8.0	305C	Rock Creek, northeast of Provo 0.4
	9- 2-81	—	9.5	460C	mi upstream from mouth of canyon.

Table 7.—Field measurements of discharge, temperature, and specific conductance at selected surface-water sites—Continued

Location	Date	Discharge (ft^3/s)	Water temperature (^oC)	Specific conductance	Site description
(D-7-2)3ada-1D	11-13-81	0.06	12.0	830	Drain west of Highway U-114 and upstream from junction with (D-7-2)3ada-2.
3ada-2D	11-13-81	0.27	14.0	720	Drain west of Highway U-114 and downstream from junction with (D-7-2)3ada-1.
	4-28-82	.08	13.0	860	
3bcb-1D	4-26-82	.29	14.5	1,200	Drain north of Boat Harbor Road, 1 mi west of Highway U-114.
3bcc-1D	4-26-82	.54	14.5	880	Drain south of Boat Harbor Road, 1 mi west of Highway U-114.
10cad-1D	4-26-82	1.91	15.5	690	Drain 0.3 mi south of intersection of 2470 West and 560 North.
11dcd-1W	4-26-82	1.12	14.5	690C	Big Dry Creek upstream from 1150 North.
(D-7-3)8adc-1W	6-24-80	.09	9.0	315C	Slate Creek east of Provo City at mouth of canyon.
18bca-1D	4-26-82	13.0	11.5	500C	Mills Race on east side of 350 East upstream from sewage plant inflow.
18dac-1D	4-27-82	2.30	17.0	600	Drain 0.1 mi upstream from Union Pacific Railroad tracks.
19aac-1D	4-27-82	18.6	17.0	1,100	Drain downstream from 700 East and Union Pacific Railroad tracks.
20cdb-1W	4-28-82	16.3	14.0	840C	Spring Creek 0.3 mi upstream from Union Pacific Railroad tracks on west side of road.

Table 8.--Chemical analyses of water from

Location: See text for explanation of numbering system for hydrologic-data sites. Last letter indicates type of site: D, drain, ditch, or canal; S, spring; W, stream or river.

LOCATION	DATE OF SAMPLE	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	SILICA, DISSOLVED (MG/L AS SIO2)	IRON, DISSOLVED (UG/L AS FE)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
(D- 4- 1)13ABB-1W	80-06-19	8.0	64	6.6	--	--	--	--	--	--
	81-06-30	13.0	140	8.6	12	30	13	2.8	5.9	1.1
31CBD-1D	81-07-16	16.5	440	8.2	10	22	55	16	10	2.5
34ACC-1W	81-07-14	17.0	480	8.3	16	10	79	21	5.4	1.4
(D- 4- 2) 7DBA-S1	51-02-00	--	--	7.8	12	--	18	2.9	--	--
	81-06-27	9.0	165	7.0	13	10	26	4.3	6.3	1.1
7DBA-S2	39-05-02	--	--	--	8.0	--	64	15	--	--
	81-06-27	11.0	205	7.4	14	20	28	3.8	6.5	1.1
8CAD-S1	81-06-27	11.5	--	7.7	9.6	<10	99	41	13	.9
17BAD-S1	81-06-27	7.0	345	7.6	5.1	<10	51	13	2.5	.2
18ABD-1W	57-12-02	3.5	240	7.0	18	--	33	5.6	--	--
	80-06-19	7.0	89	7.5	4.5	60	13	1.4	1.5	.5
	81-06-30	15.5	105	8.3	6.5	10	17	1.9	1.9	.4
20CAB-S1	81-07-28	16.0	430	--	10	26	60	31	6.6	1.3
26ABD-1W	81-06-25	11.5	325	8.5	6.5	20	46	12	2.6	.3
32BBD-1W	49-07-30	--	390	--	--	--	51	17	3.0	1.2
	57-12-05	5.0	530	7.3	7.9	--	77	22	--	--
	80-06-23	10.0	280	7.9	4.7	20	42	10	2.2	.5
(D- 5- 1) 4ABB-1W	81-07-14	16.0	425	8.1	10	20	55	15	10	2.3
12CDA-1D	81-07-29	14.5	380	8.6	8.8	18	49	13	9.4	2.2
15CBB-1D	82-04-27	12.0	750	8.1	16	11	73	41	24	4.4
15CCB-1D	68-09-12	16.0	680	7.6	15	--	68	42	19	2.8
16DDD-1W	81-08-03	25.0	650	7.9	14	26	64	36	18	3.0
21CAC-1D	72-03-02	7.0	830	7.8	18	--	74	42	40	7.7
	72-06-27	17.0	790	7.9	20	50	73	37	36	9.5
	82-04-22	10.0	820	8.3	16	<9	75	42	31	6.7
26CAC-1D	82-04-22	14.0	670	8.4	10	13	87	25	12	3.8
27DDA-1D	72-06-27	15.0	670	8.1	12	30	92	27	9.8	4.4
	82-04-22	13.0	680	8.4	12	<9	95	30	13	3.8
28ABA-1W	72-03-02	6.0	700	8.0	16	--	77	39	22	3.6
	72-06-27	18.0	710	8.1	15	40	77	37	18	4.3
	82-04-27	--	700	8.8	--	--	--	--	--	--
35ABB-1W	81-08-03	28.0	500	8.4	9.8	20	56	24	11	4.3
36ABC-1D	82-04-22	17.0	780	8.4	11	10	93	34	20	4.9
36BBB-1D	82-04-22	17.0	640	8.6	9.1	<9	86	24	8.8	2.4
(D- 5- 2)16DAB-S1	57-12-03	--	670	7.1	4.7	--	86	34	--	--
	81-07-31	16.0	760	7.3	9.2	30	93	39	11	.7
22BAA-1W	57-12-03	1.6	430	7.1	7.0	--	55	19	--	--
	80-06-23	10.0	410	7.8	6.4	<10	60	15	4.5	.4
	81-09-02	14.0	410	7.5	7.3	<10	53	17	4.6	.5
22BBB-S1	80-06-23	15.0	690	6.8	7.4	<10	82	38	8.8	.6
22BBB-S2	81-07-30	16.0	680	7.8	8.5	30	88	31	7.3	.6
22DDA-1W	57-12-03	7.0	325	7.2	3.5	--	43	13	--	--
	80-06-20	11.0	340	7.3	5.1	10	44	13	3.8	.5
	81-09-02	12.5	325	8.4	5.4	10	43	13	2.7	.5
(D- 6- 2) 4CCC-S1	82-04-21	14.0	660	8.5	27	14	82	28	16	6.1
6BAA-1D	72-03-01	6.5	880	7.9	18	--	93	45	35	4.9
	72-06-27	16.0	860	8.2	20	160	93	42	35	6.5
	82-04-27	14.5	820	8.7	14	10	82	36	37	4.2
(D- 6- 3) 7BAA-1W	80-06-20	13.5	350	7.5	8.9	10	45	11	8.3	2.0
29DBD-1W	80-06-24	8.0	305	8.1	4.3	<10	56	8.3	2.3	.5
	81-09-02	9.5	460	6.9	6.2	15	71	13	3.4	.5
(D- 7- 2)11DCD-1W	82-04-26	14.5	690	--	14	<9	93	22	17	3.5
(D- 7- 3) 8ADC-1W	80-06-24	9.0	315	8.4	6.0	<10	46	10	3.4	.7
18BCA-1D	82-04-26	11.5	500	8.2	11	14	65	18	12	2.9
20CDB-1W	82-04-28	14.0	840	8.4	12	17	95	31	31	4.5

DATE OF SAMPLE	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	BORON, DISSOLVED (UG/L AS B)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
80-06-19	--	--	--	--	.13	.020	--	--	--	--
81-06-30	--	46	1.2	3.8	.14	--	0	68	44	--
81-07-16	--	170	47	9.7	.42	--	40	255	200	--
81-07-14	--	220	62	4.6	1.5	--	10	329	280	--
51-02-00	53	--	3.7	3.0	--	--	--	--	56	3
81-06-27	--	75	8.4	3.9	.04	--	10	109	83	--
39-05-02	--	--	26	6.0	--	--	--	--	220	--
81-06-27	--	75	8.5	4.4	.02	--	10	112	86	--
81-06-27	--	290	130	13	.40	--	20	483	420	--
81-06-27	--	140	22	2.7	.30	--	0	182	180	--
57-12-02	106	--	13	3.0	--	--	--	145	106	0
80-06-19	39	--	2.2	.8	.12	--	--	48	38	0
81-06-30	41	--	.1	1.6	.09	--	10	55	50	9
81-07-28	--	190	40	7.5	.11	--	20	271	280	--
81-06-25	120	--	38	2.6	.11	--	10	181	160	44
49-07-30	139	--	54	3.2	--	--	--	--	197	58
57-12-05	171	--	113	3.5	--	--	--	331	282	111
80-06-23	130	--	23	1.8	.19	--	--	163	150	16
81-07-14	--	150	51	13	.41	--	40	249	200	--
81-07-29	--	140	42	9.0	.35	--	40	219	180	--
82-04-27	--	260	93	21	1.4	.030	80	435	350	--
68-09-12	271	--	88	15	--	--	20	420	340	71
81-08-03	--	210	83	17	1.1	--	60	367	310	--
72-03-02	306	--	95	35	2.6	--	280	510	360	52
72-06-27	288	--	84	36	4.9	--	140	493	330	47
82-04-22	--	300	91	34	3.1	.020	110	490	360	--
82-04-22	--	180	87	22	2.1	<.010	50	365	320	--
72-06-27	258	--	86	17	3.1	--	50	417	340	83
82-04-22	--	111	91	17	2.0	.010	50	338	360	--
72-03-02	272	--	96	19	--	--	--	436	350	80
72-06-27	272	--	99	18	1.7	--	70	440	340	72
82-04-27	--	220	97	16	1.4	3.80	50	--	--	--
81-08-03	--	170	79	10	.75	--	40	300	240	--
82-04-22	--	250	120	19	3.3	.080	70	467	370	--
82-04-22	--	190	97	10	1.8	.010	40	360	310	--
57-12-03	272	--	86	7.8	--	--	--	392	354	82
81-07-31	--	130	81	9.3	.23	--	20	323	390	--
57-12-03	185	--	40	5.0	--	--	--	251	215	30
80-06-23	150	--	29	3.1	.49	--	--	211	210	62
81-09-02	--	160	41	3.3	.20	--	10	224	200	--
80-06-23	260	--	100	7.0	.07	--	--	402	360	100
81-07-30	--	210	90	7.5	.40	--	20	362	350	--
57-12-03	148	--	20	2.5	--	--	--	182	162	15
80-06-20	140	--	21	3.3	.56	--	--	177	160	23
81-09-02	--	140	18	1.7	.10	--	0	170	160	--
82-04-21	--	250	75	18	3.2	.020	70	417	320	--
72-03-01	311	--	130	33	3.1	--	200	561	420	110
72-06-27	331	--	110	31	2.5	--	120	549	400	74
82-04-27	--	240	110	36	1.9	.590	70	472	350	--
80-06-20	120	--	50	9.2	.21	--	--	208	160	38
80-06-24	160	--	11	1.8	.04	--	--	181	170	14
81-09-02	--	150	25	11	.03	--	10	221	230	--
82-04-26	--	232	68	27	2.3	.140	60	512	320	--
80-06-24	140	--	14	3.1	.08	--	--	168	160	16
82-04-26	--	190	52	14	.78	.170	50	293	240	--
82-04-28	--	250	140	36	1.6	.080	100	508	360	--

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1 ITEMS