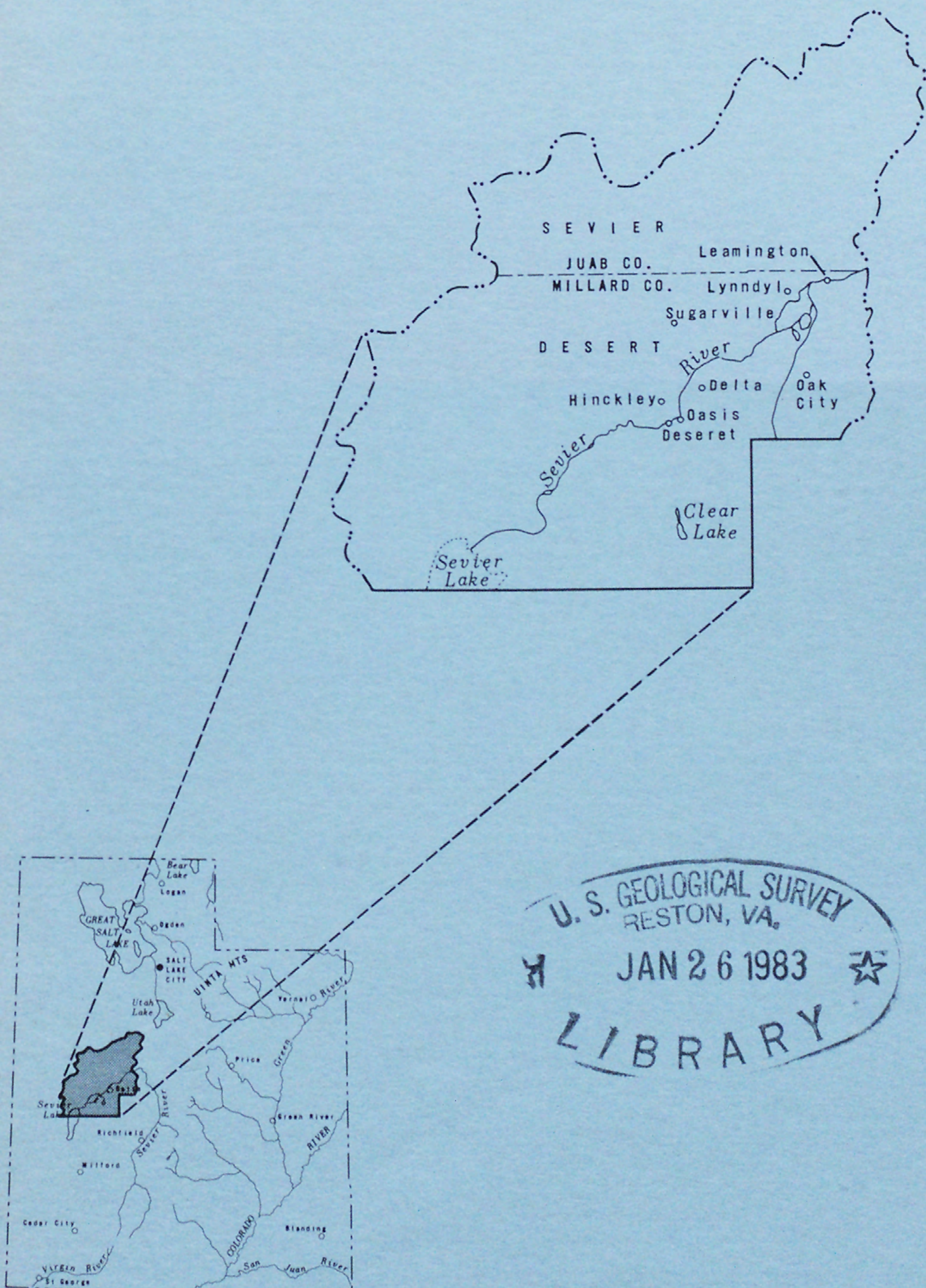
X

UTAH HYDROLOGIC-DATA REPORT NO. 37

SELECTED GROUND-WATER DATA SEVIER DESERT, UTAH 1935-82



✓ tw anal

U. S. GEOLOGICAL SURVEY
OPEN-FILE REPORT 82-910

1982

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SELECTED GROUND-WATER DATA, SEVIER DESERT, UTAH, 1935-82

By Michael Enright and Walter F. Holmes

UTAH HYDROLOGIC-DATA REPORT NO. 37

Open-File Report 82-910

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

Salt Lake City, Utah

1982

CONTENTS

ILLUSTRATIONS

[Plate is in pocket]

TABLES

CONVERSION FACTORS

Most values in this report are given in inch-pound units. For those readers who may prefer to use metric units, the conversion factors for the terms used in this report are listed below.

Inch-pound			Metric	
Unit	Abbreviation		Unit	Abbreviation
(Multiply)		(by)	(to obtain)	
Acre		0.4047	Square hectometer	hm^2
Acre-foot	acre-ft	0.001233	Cubic hectometer	hm^3
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 and water temperature are given only in metric units. Chemical concentration is given in millgrams per liter (MG/L) or micrograms per liter (UG/L). Milligrams per liter is a unit expressing the concentration of chemical constituents in solution as weight (milligrams) of solute per unit volume (liter) of water. One milligram per liter equals a thousand micrograms per liter. For concentrations less than 7,000 mg/L, 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: $^oF=1.8(^oC)+32$.

SELECTED GROUND-WATER DATA, SEVIER DESERT, UTAH, 1935-82

By Michael Enright and Walter F. Holmes

INTRODUCTION

The area of the Sevier Desert as defined for this report (pl. 1) includes about 2,800 square miles in the Sevier River basin of western Utah. It is in a broad intermountain valley in which altitudes[1] range from about 4,500 to 9,700 feet. The valley floor is underlain by one of Utah's principal ground-water reservoirs.

This report makes available basic ground-water data for the Sevier Desert and supplements several interpretive ground-water reports for the area. The data presented herein were collected by the U.S. Geological Survey in cooperation with the Utah Department of Natural Resources, Division of Water Rights. Most of the data were collected during the period July 1979 to July 1981, but some were collected from 1935 to 1979. Some of the earlier data have been published in an earlier report by Mower and Feltis (1964).

The data presented in this report may be used in a variety of ways. For example, an individual interested in drilling a well at a given site may use the data presented in tables 1 and 3-6 for the nearest wells shown on plate 1 to determine required drilling depth, character of water-bearing material, water level, potential well yield, and general quality of water at the proposed well site. Table 2 presents yield ranges and other data about springs, and table 7 provides an indication of variation in ground-water development in the area since 1951.

----

[1]Altitudes given in this report are referenced to the National Geodetic Vertical Datum of 1929, which is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. It was formerly called "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

WELL- AND SPRING-NUMBERING SYSTEM

The system of numbering wells and springs in Utah is based on the cadastral land-survey system of the U.S. Government. The number, in addition to designating the well or spring, describes its position in the land net. 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, (capitalized in tables 4 and 5) indicate, respectively, the northeast, northwest, southwest, and southeast quarters of each subdivision. The number after the letters is the serial number of the well or spring within the 10-acre tract; the letter "S" preceding the serial number denotes a spring. If a well or spring cannot be located within a 10-acre tract, one or two location letters are used and the serial number is omitted. Thus (C-12-6)15bac-1 designates the first well constructed or visited in the SW¼NE¼NW¼ sec. 15, T. 12 S., R. 6 W., and (C-20-7)3d-S designates a spring known only to be in the SE¼ sec. 3, T. 20 S., R. 7 W. The numbering system is illustrated in figure 1.

----

[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.

REFERENCES CITED

Mower, R. W., and Feltis, R. D., 1964, Ground-water data, Sevier Desert, Utah: U.S. Geological Survey open-file report (duplicated as Utah Basic-Data Report 9), 34 p.

_____1968, Ground-water hydrology of the Sevier Desert, Utah: U.S. Geological Survey Water-Supply Paper 1854, 75 p.

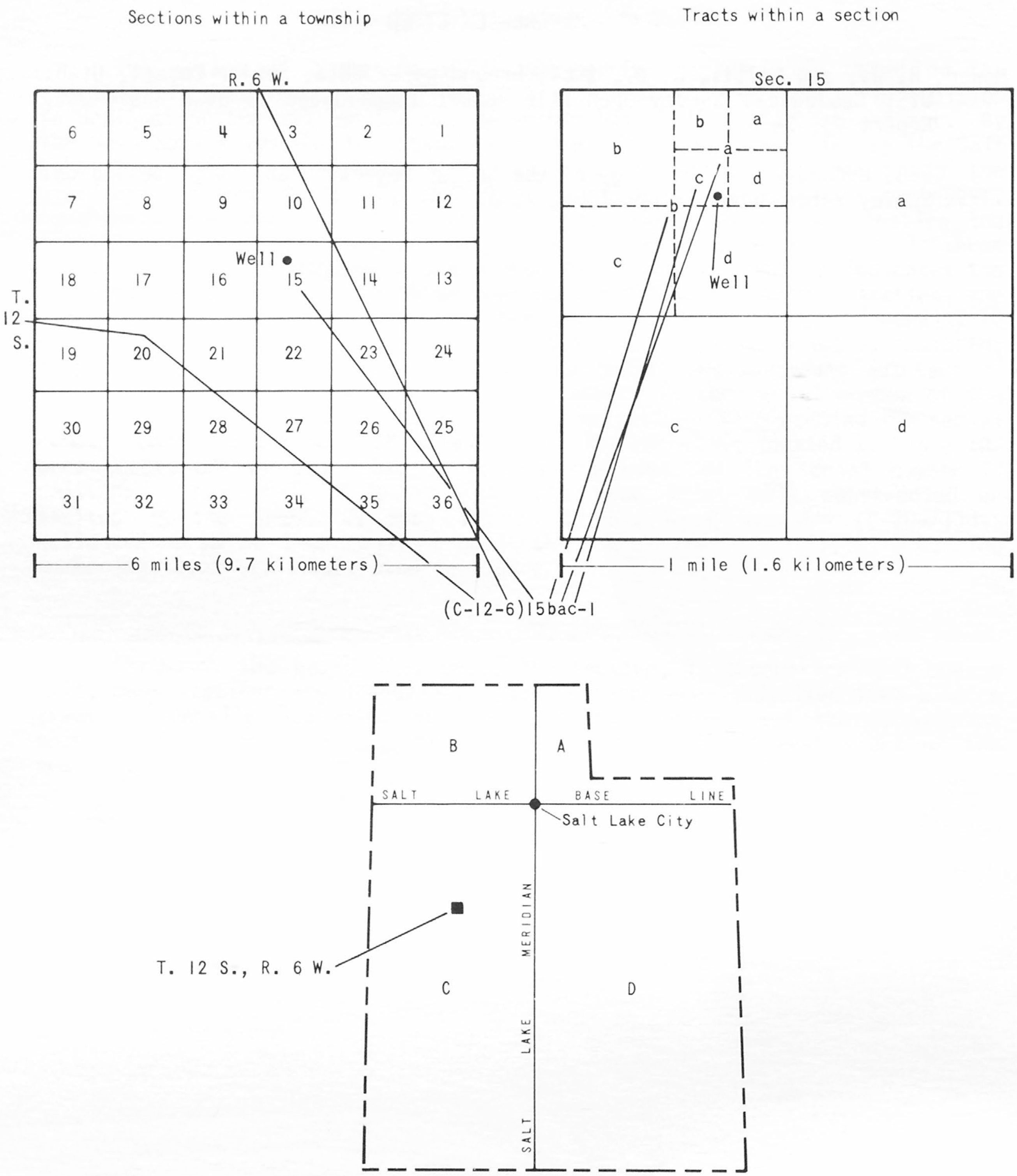


Figure 1.—Well- and spring-numbering system used in Utah.

Table 1.--Records of selected wells

Location: See explanation of well- and spring-numbering system.
Owner or user: Last known owner or user.
Year drilled: Second entry indicates deepening and modification as shown.
Casing: Finish - O, open end; P, perforated, upper and lower limits of perforations given in feet below the land surface, if known, and questioned(?) if extent of perforation is unknown; S, screen, length of screen given in feet, if known.
Altitude of land surface: National Geodetic Vertical Datum of 1929. Surveyed altitudes are given in feet and decimal fractions; altitudes interpolated from topographic maps are given in feet.
Water level: Measured water levels are given in feet, tenths, and hundreths.
Yield: Rate, F, natural flow; P, pumped; e, estimated.
Other data available: C, chemical analysis (table 5); L, driller's log (table 3); K, temperature and specific conductance of water (table 6); W, water-level measurements (table 4); X, chemical analysis of water in Mower and Feltis (1964, table 4).

Location	Owner or user	Year drilled	Depth of well (feet)	Casing			Altitude of land surface (feet)	Water level		Yield		Other data available
				Diameter (inches)	Depth (feet)	Finish		Above(+) or below(−) land surface (feet)	Date	Rate (gal/min)	Date	
(C-11-3)12cad-1	C. Rowley	1978	512	16	512	P315-508	5,920	−172.73	3-13-81	–	–	W
13abc-1	do.	1978	627	16	623	P285-615	5,840	−263.06	9-10-79	–	–	–
21adb-1	McIntyre Investment Co.	1971	605	16	580	P105-580	5,510	–	–	–	–	L
(C-12-3)29cda-1	General Refractories Co.	1956	810	12,8	810	P327-(?)	5,320	−253.12	3-13-81	–	–	W
(C-12-6)15bac-1	U.S. Bureau of Land Management	1948	335	6	–	P245-(?)	5,110.5	−206.40	3- 2-81	–	–	C,W
26aaa-1	U.S. Air Force	1980	202	2	202	P(?)	5,055	−44.61 −49.60	8- 8-80 3- 2-81	–	–	–
(C-13-3)16ddd-1	Currs, Appy Ranch	–	958	12	–	–	5,253	−299.07	3-13-81	–	–	W
(C-13-4)23bcd-1	G. E. Collard	1962	150	6	127	O	5,034	−92.03	3-13-81	–	–	C,W
(C-13-6)9bcc-1	U.S. Air Force	1980	150	2	150	P130-150	4,808	−107.55	3- 2-81	–	–	C,L
20acb-1	do.	1980	151	2	151	P131-151	4,722	−64.90 −64.81	8- 8-80 3- 2-81	–	–	–
26bac-1	U.S. Bureau of Land Management	1935	140	6	–	–	4,752.9	−71.25	3- 2-81	–	–	C,K,W
34bca-1	U.S. Air Force	1980	160	2	160	P140-160	4,721	−59.24 −59.59	8- 8-80 3- 2-81	–	–	–
35add-1	do.	1980	202	2	202	–	4,760	−58.58 −60.12	8- 8-80 3- 2-81	–	–	C
(C-13-7)9cbc-1	U.S. Bureau of Land Management	–	210	6	210	P150-(?)	4,638	−38.76	3-11-81	–	–	W,X
12cdb-1	U.S. Air Force	1980	160	2	160	–	4,712	−70.04 −70.10	8- 8-80 3- 2-81	–	–	C
(C-13-8)14bca-1	do.	1980	160	2	160	P140-160	4,595	−2.32 −2.59	6-18-80 3-11-81	–	–	L
(C-14-3)33bbb-1	Martin Marietta Co.	1980	347	16,12	322	S238-317	4,828	−48.40	5- 7-81	500P	6- 3-80	L
(C-14-4)32dbd-1	G. Nielson, S. Lovell	–	555	16	533	P200-(?)	4,870	–	–	1,600P	6-24-80	C,K
(C-14-5)22ccc-1	U.S. Bureau of Land Management	1935	300	6	271	–	4,783	−96.60 −101.25	3-20-61 3- 2-81	–	–	–
35cdc-1	J. M. Nelson	1959	305	16	305	P200-300	4,788.0	−101.74	3-11-81	1,450P	6-19-79	C,K
36ccc-3	do.	1949	250	4	212	O	4,785	–	–	–	–	C,K
(C-14-6)4cdc-1[1]	D. Christensen	1955	185	6	185	P180-185	4,727.6	−78.48 −79.20	10- 3-63 3- 2-81	–	–	–
21ccc-2	E. A. Lyman	1937	185	3	–	–	4,719	−67.52 −67.60	10- 3-63 3- 2-81	–	–	–
21ddd-2	do.	1974	228	6	228	P223-228	4,708	−53.36	3- 2-81	–	–	–
(C-14-7)1cab-1	U.S. Bureau of Land Management	1965	150	6	150	P140-150	4,651	−19.35	3- 7-80	–	–	W
19ddd-1[2]	do.	1957	194	2	194	O	4,580	+16.00 +5.25	4-26-63 3- 3-81	–	–	C
26acb-1	U.S. Geological Survey	1980	18	2	18	P 10-18	4,612	−12.36	3- 3-81	–	–	W
(C-14-8)13dcc-1[3]	U.S. Bureau of Land Management	–	–	4	–	–	4,581	–	–	–	–	C
25ccc-1	do.	1957	340	2	340	O	4,570	+1.43	3-11-81	1F,e	3-11-81	C,K,W
(C-14-9)27bdb-1	U.S. Air Force	1980	160	2	160	P140-160	4,660	−103.73 −103.50	8- 6-80 3- 3-81	–	–	C
(C-15-4)8cba-1	A. M. Harder	1951	203	12	203	P 83-203	4,709.1	−18.09	3-11-81	1,590P	6-24-80	C,K,W
11add-1	G. Nielson	1963	485	16	407	P285-407	4,786.6	−77.93	3-10-81	2,320P	8-23-79	C,K,W
17adc-1	A. Nielson	–	–	–	–	–	4,815	−116.86	1-22-81	1,980P	7-25-79	K
17dab-1	C. Nielson	1951	351	16,12	350	P236-350	4,825	−118.03	3- 5-81	–	–	W
18daa-1	J. Nielson	1951	406	16	406	P220-372	4,847.5	−146.88	3-11-81	1,690P	7-24-80	C,K,W
19ccc-1	D.M.A.D. Irrigation Co.	1975	875	20	874	P647-874	4,683.8	−9.44	3-25-81	5,400P	2- 8-81	C,K,W
19ccc-2	U.S. Geological Survey	1980	167	4,2	63	P 45-63	4,683.8	+4.03	3-25-81	–	–	C,W

Table 1.—Records of selected wells—Continued

Location	Owner or user	Year drilled	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude of land surface (feet)	Water level: Above(+) or below(−) land surface (feet)	Water level: Date	Yield: Rate (gal/min)	Yield: Date	Other data available
(C-15-4)20caa-1	G. Nielson	1963	1,000	16,12	940	P700-940	4,834	−150.98	3-25-81	1,780P	7-25-79	C,K,W
20dcc-1	S. Nielson	1964	220	6	215	P185-215	4,817	−130.57	3- 9-81	–	–	–
26dcc-1	Fool Creek Irrigation Co.	1951	660	16,12	505	P295-485	4,980	−257.89	3-11-81	2,040P	11-14-80	C,K,W
27baa-1	R. Finlinson	1979	280	6	280	P260-280	4,870	−173.57	3- 3-81	–	–	–
34aaa-1	Fool Creek Irrigation Co.	1957	520	16,12	510	P203-505	4,909	−222.44	3-23-81	1,300P	8-19-80	K
35cbd-1	G. Roper	1978	475	6	475	P455-475	4,994	−292.84	11- 3-80	–	–	–
(C-15-5)1ccb-1	E. Greathouse	1951	296	16	283	P(?)	4,790	−101.20	3-11-81	1,550P	6-27-78	K,W
2ddc-1	J. M. Nelson	1957	303	16	–	P203-290	4,791	−103.59	3- 3-81	1,950P	6-19-79	C,K
13bbc-1	Lynndyl Irrigation Co.	1957	310	16	310	P225-297	4,780	−98.68	3-11-81	2,220P	8-23-79	C,K,W
15dad-1	Brush Wellman Inc.	1970	1,190	16,12,8	1,118	P860-1,050	4,780	−110.82	3-31-81	–	–	L,W
15dad-2	U.S. Geological Survey	1980	197	2	197	P160-197	4,780	−100.52	3-25-81	–	–	W
26baa-1	D.M.A.D. Irrigation Co.	1958 1976	860 1,150	16 16,12	824 1,150	P670-815 P670-1,120	4,677.2 4,677.2	– −15.77	– 3- 5-79	– 3,600P	– 9-10-79	– C,K,L,W
26baa-2	U.S. Geological Survey	1980	165	6,2	158	P 93-158	4,679	−.64	3-25-81	–	–	C,W
26baa-3	do.	1980	40	4	40	O	4,679	−4.20	3-25-81	–	–	W
27dcc-1	D.M.A.D. Irrigation Co.	1969	1,196	30,24,20	1,196	P610-1,190	4,678.8	−9.57	3-25-81	5,230P	8-22-79	C,K,L
27dcc-2	U.S. Geological Survey	1980	183	6,2	144	P 82-141	4,678.8	−1.39	3-25-81	–	–	C,W
32cdb-1	Brush Wellman Inc.	1968	1,197	16,12	1,197	P975-1,135	4,780	–	–	–	–	C
33dcb-1	D.M.A.D. Irrigation Co.	1961 1975	825 1,285	24,20 24,20,16	792 1,285	P585-775 P585-1,270	4,670.7 4,670.7	– −20.36	– 3- 3-80	– 5,990P	– 8-21-79	– C,K,L,W
33dcb-2	U.S. Geological Survey	1980	182	6,2	177	P116-177	4,671	+.16	3-25-81	–	–	C,W
36abc-1[4]	Taylor Flat Irrigation Co.	1961	935	16,12	855	P145-855	4,810	−119.37	3-25-81	1,640P	7-25-79	K
36bcb-1	do.	1971	645	16	645	P145-645	4,805	−120.59	3-25-81	1,425P	6-27-78	K,L
(C-15-6)7ddb-1	U.S. Bureau of Land Management	1936	336	8,6	–	–	4,739.5	−90.27 −95.67	4-23-63 3-12-81	–	–	–
18bcc-1	Intermountain Power Project	1981	819	3	819	S619-819	4,695	−42.91	4- 5-81	–	–	–
19bcc-1	do.	1981	1,222	20,16,10	1,180	S664-1,180	4,680	−31.62	4- 5-81	–	–	C,L
19cac-1	E. A. Lyman	1956	235	3	235	–	4,670.3	−41.23	3- 3-80	–	–	C,K,W
19ccc-1	Intermountain Power Project	1981	1,110	3	1,110	S1,000-1,110	4,664	−18.67	4- 5-81	–	–	–
31ccc-1	W. Holman	1954	195	2	195	O	4,626	+1.06	3- 2-81	–	–	W
(C-15-7)6cdd-3	D. Clarke	–	193	3	193	–	4,577.2	+2.80 +2.36	3- 5-63 3-20-81	1F	3- 2-81	K
13ddd-1	Intermountain Power Project	1981	500	2.5	500	S300-500	4,687	−45.83	4- 1-81	–	–	–
13ddd-2	do.	1981	770	2.5	770	S570-770	4,687	−40.87	4- 5-81	–	–	–
17dad-1	L. Elarla Jr.	–	235	1.5	–	–	4,588.1	−3.53	3-10-81	–	–	W
18caa-1	W. Davis	1952	795	12,8	795	P300-780	4,577	+9.80 +3.34	9-29-61 3-20-81	30F,e	12-18-79	–
18dcc-1	Lakeland Development Co.	–	–	1.5	–	–	4,574	+.28	3-10-81	–	–	W
21bcc-1	W. Davis	–	–	2	–	–	4,580.5	−3.03	3- 2-76	–	–	W
23bac-1	Argonaut Energy Corp.	1978	182	6.6	182	P160-182	4,630	−11.64	3- 5-81	–	–	W
27daa-1	G. Owen	1952	650	12,8,6	650	P175-634	4,595	–	–	40F	5-19-80	K
28bda-1	S. Kogianes	1962	–	16,12	–	O	4,580	–	–	45F	3- 6-79	K
31cdd-1	A. M. Roberts	–	176	1.25	176	O	4,577	−3.12	3-11-81	–	–	W
32dcd-1	U.S. Geological Survey	1980	15	2	15	P10-15	4,582	−6.84	3-12-81	–	–	C,W
33bac-1	W. B. Davis	1953	325	2	325	O	4,582	+1.30	3-10-81	.25F	3- 6-80	W
33bcd-1	S. Kogianes	1962	900	24,18,14	900	P500-900	4,582	−10.81 −4.67	10- 3-79 10-23-79	60F	3- 6-79	K,X
34abb-1	W. B. Davis	–	290	2	290	O	4,589	+5.62 +3.90	3-11-63 3-19-81	1F	3- 4-80	–
35abb-1	B. Munster	1953	85	1.25	85	O	4,599	+5.84 +5.18	3-11-63 3-19-81	1F,e	3-19-81	C
35bcd-1	V. H. Anderson	1951	594	12,8	594	P(?)	4,596	–	–	60F,e	3- 6-79	–
36bcc-1	Chesley and Black Inc.	1942	80	1.25	80	O	4,605	+5.58 +4.02	3-11-63 3-25-81	–	–	–

Location	Owner or user	Year drilled	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude of land surface (feet)	Water level: Above(+) or below(−) land surface (feet)	Water level: Date	Yield: Rate (gal/min)	Yield: Date	Other data available
(C-15-7)36cba-1	Chesley and Black Inc.	1939	165	2	165	O	4,605	+10.20 +5.90	3-21-63 3-24-81	3F	3-24-81	—
36cba-2	do.	1939	140	2	140	O	4,605	+13.50 +9.70	3-21-64 3-24-81	12F	3-24-81	—
36cbb-1	do.	1939	420	8	420	—	4,605	+34.0	3-21-63	300F,e	3-24-81	K
36cbb-2	do.	1939	43	2	43	O	4,605	+7.13	3-24-81	—	—	C
36cdb-1	do.	1940	128	3	128	O	4,605	+4.96 +2.98	3-21-63 3-24-81	20F	3-24-81	—
36cdc-1	do.	1939	90	2	90	O	4,604	+5.09 +3.64	3-21-63 3-24-81	—	—	—
36cdc-2	do.	1939	70	2	70	O	4,604	+5.26 +3.90	3-21-63 3-24-81	—	—	—
36cdc-3	do.	1939	55	3	55	O	4,605	+5.01 +2.96	3-21-63 3-24-81	—	—	—
36cdd-1	do.	1939	120	2	120	O	4,605	+5.68 +3.85	3-21-63 3-24-81	—	—	—
36cdd-2	do.	1939	55	2	55	O	4,605	+4.87 +2.72	3-21-63 3-24-81	—	—	—
(C-15-8)8cac-1	U.S. Bureau of Land Management	1951	150	2.5	150	O	4,565	+5.26 +.60	3- 7-63 3- 3-81	—	—	C,K
13cdd-1	A. E. Reid	—	—	1.5	—	—	4,572	+.56 −.03	3- 5-63 3-20-81	—	—	—
23bba-2	do.	1927	117	1.25	117	O	4,565.9	+1.86 −1.80	3- 6-63 3-20-81	—	—	—
24aab-1	do.	—	—	1.5	—	—	4,571.4	+.09 +.09 +.48	3- 5-63 3- 5-81 3-20-81	1F	3-20-81	—
25aaa-1	W. L. Law	1936	285	1.25	285	O	4,571	+4.04	3-10-81	—	—	W
26ddd-1	A. E. Reid	—	—	2	—	—	4,571	−.31 −4.75	3- 6-63 3-20-81	2.2F	3-20-81	—
29ccc-1	do.	—	—	2	—	—	4,550	—	—	—	—	C,K
34add-1	Francis Investment Co.	1925	160	1.25	160	O	4,572	−5.39	3- 6-80	—	—	W
34dcc-2	do.	1913	450	1.25	450	O	4,563	−1.61 −9.29	3- 6-63 3-20-81	—	—	—
35dcd-1	D. Berry	—	364	1.25	364	O	4,578	−3.59 −14.78	3- 6-63 3-20-81	—	—	—
36cdd-1	A. E. Reid	1917	350	2	350	O	4,575	−2.02	3-20-81	—	—	—
36dcc-1	do.	1917	350	2	350	O	4,575	−.24 −3.50	3- 6-63 3-20-81	—	—	—
(C-15-9)9cbd-1	U.S. Air Force	—	151	2	151	—	4,598	−50.08 −50.00	8- 6-80 3- 3-81	—	—	L
(C-15-12)19ad	do.	1980	1,033	12.75	1,027	S710-1,005	5,260	−793.10	12-14-81	—	—	L
(C-16-4)5dac-1	M. Nielson	1977	302	6.6	302	P280-302	4,920	−203.30	3-25-81	—	—	—
18bda-1	Sink Irrigation Co.	1958	375	16	375	P180-(?)	4,818	−77.18	3-11-81	860P	7-27-78	K,W,X
19dbd-1	L. Finlinson	1952	344	16	324	P 30-320	4,907	−157.65	3-11-81	795P	6-11-79	C,K,W
30cac-1	North Fields Irrigation Co.	1971	446	16	440	P190-415	4,930	—	—	3,100P	6-26-77	C,K
30dbd-1	do.	1971	440	16	414	P210-414	4,985	—	—	1,340P	7-26-77	L
30ddb-1	do.	1957	637	16	—	P250-(?)	4,985	−222.45	3-23-81	650P	7- 7-71	K,W,X
31bca-1	M. Anderson	—	—	—	—	—	4,980	−211.74	3-23-81	920P	7-27-76	C,K,W
(C-16-5)9aaa-1	D.M.A.D. Irrigation Co.	1967 1975	880 1,275	24,20 24,20,16	877 1,265	P576-870 P576-1,265	4,669.2 4,669.2	— —	— —	— 5,380P	— 8-21-79	— C,K,L
13dba-1[5]	C. L. Lovell	1941	148	6	148	P(?)	4,801	−62.01	3-25-81	1,160P	6-27-78	K
18caa-1	D.M.A.D. Irrigation Co.	1961 1974	935 1,135	20,16 20,16,12	935 1,135	P600-935 P600-1,135	4,669.1 4,669.1	— −13.43	— 3-25-81	— 5,390P	— 7-25-79	— C,K,L,W
19cbd-1	do.	1960	830	16,12	830	P570-803	4,671.7	−16.35	3-25-81	2,800P	9-10-79	C,K,W
(C-16-6)7bbb-3	J. Elder	1930	150	3	150	O	4,609	+6.07 +4.30	3-20-63 3-24-81	5F	3-24-81	—
7cad-1	do.	1926	100	2	100	O	4,617	+3.52 +2.54	3-20-63 3-25-81	10F	3-25-81	—
7dbc-1	do.	1928	104	2	104	O	4,620	+.56	3- 2-81	—	—	W
27aaa-1	D.M.A.D. Irrigation Co.	1975	1,230	20	1,200	P660-1,200	4,635	—	—	6,240P	6-21-79	C,K,L
34bad-2	Delta City	1959	377	6	377	P352-354	4,758	—	—	—	—	C

Location	Owner or user	Year drilled	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude of land surface (feet)	Water level: Above(+) or below(−) land surface (feet)	Water level: Date	Yield: Rate (gal/min)	Yield: Date	Other data available
(C-16-7)1aab-1	W. W. Holman	1938	150	1.25	150	O	4,613	+1.91 −.31	3-21-63 3- 2-81	—	—	—
1abc-3	do.	1930	60	2	60	O	4,604	+2.70 +2.15	3-21-63 3- 2-81	—	—	—
1bda-1	do.	1914	135	2	135	O	4,603	+4.48 +3.72	3-21-63 3-18-81	—	—	—
1dac-1	do.	—	—	2	—	—	4,608	+3.02 +2.58	3-21-63 3-18-81	—	—	—
1dcd-1	H. W. Steiney	1929	132	2	132	O	4,608	+4.90	3-11-81	1F	6-20-79	C,K,W
3aad-1[6]	J. A. Shields	1916	225	1.5	225	O	4,592	+.18	3- 3-76	—	—	W
3abb-1	H. Done	—	170	2	170	O	4,589	+3.96 +3.65	3- 8-63 3-18-81	2F	3-18-81	—
3acc-1	H. D. Moyle	1966	875	16,12	835	P550-835	4,590	—	—	1,235P	6-26-78	K,L
3add-2	L. Davis	1961	147	2.5	142	O	4,594	−3.77 −2.88	3-11-63 3-18-81	—	—	—
4abb-1	J. N. Hinckley	1920	324	1.25	309	O	4,584	+3.85	3-11-81	2F	6-20-79	K,W,X
4bdd-1	H. Done	1914	—	2	—	—	4,589	+4.46 −5.21	3-14-63 3-18-81	—	—	—
4dad-1	H. E. Meinhardt	1920	100	2	100	O	4,591	+1.70 +1.25	3-11-63 3-18-81	1F	3-18-81	—
5acc-1	R. Clark	1912	250	2	250	O	4,588	−1.90 −3.29	3-14-63 3-18-81	—	—	—
5baa-1	J. L. Oliver	—	—	1.25	—	—	4,583	+1.80 +1.56	3- 7-63 3-18-81	.5F	3-18-81	—
5bbb-1	C. W. Carey	—	235	1.25	—	—	4,582	−.30 −1.60	3-14-63 3-18-81	—	—	—
6aab-1	J. L. Oliver	—	—	1.25	—	—	4,581	−5.10 −8.34	3- 7-63 3-19-81	—	—	—
6cbc-1	M. J. Moody	1917	180	1.25	180	O	4,581	−7.69	9- 6-74	—	—	W
7add-1	W. C. Ivie	1922	—	2	—	—	4,593	−8.80 −11.77	3-15-63 3-19-81	—	—	—
8abb-1	—	1914	—	2	—	—	4,589	−9.24	3-11-81	—	—	W
9bcc-1	M. A. Abbott	1916	525	1.25	525	—	4,595	−8.67	3-11-81	—	—	W
10bad-1	H. Done, R. G. Clark	1961	919	16,12	919	P500-915	4,595	+3.98	3- 4-80	2,036P	8-18-80	C,K,W
10bbb-2	H. Done	1962	350	6	350	O	4,594	+2.50 +1.58	3- 1-63 3-18-81	—	—	X
10bcc-1	T. Clark	1915	300	1.25	300	O	4,600	−1.40 −3.26	3-12-63 3-18-81	—	—	—
10cdc-1	B. Larsen	1949	380	2	380	O	4,604	−2.98	3-11-81	—	—	W
11ccd-1	G. Palmer	1966	729	16,14	724	P612-724	4,604	—	—	6F	3-31-80	K
12baa-1	M. Williams	1965	500	16	500	P300-500	4,606	+7.50	3-24-81	1,340P	6-26-78	—
12ccd-1	F. Lyman	1951	582	8	569	P405-547	4,608	—	—	420P	6-26-80	C,K
12dcd-4	W. E. Black	—	180	2	180	O	4,608	+5.26	3-12-81	2F	6-20-79	W
12dcd-5	do.	1952	704	8,6	704	P310-675	4,608	+21.90 +15.77 +6.60	3-13-63 8-29-79 8-27-80	—	—	—
13abb-1	F. B. Chesley	—	—	—	—	—	4,605	+4.80	3-24-81	4F	3-24-81	—
13cad-1	J. Jones	1947	288	1.25	288	—	4,613	+10.20 +7.90	3-14-63 3-25-81	—	—	X
13ccc-1	F. Chesley	1953	284	1.25	284	O	4,616	+2.32	3-11-81	1.5F	3-11-81	W
15acc-1	J. E. Kozina	1917	313	2	313	O	4,611	−4.10 −8.16	3-22-63 3-21-81	—	—	—
16dda-1	S. H. Hales	1945	413	2	413	O	4,612	−11.26	3- 1-78	—	—	W
20dab-2	F. A. Henrie	1920	180	2	180	O	4,605	−18.60 −24.62	3-19-63 3-21-81	—	—	—
24bca-1	R. Jones	1952	855	10	855	P346-795	4,622	—	—	1,367P	6-26-80	C,K
28bbc-2	S. Sanford	1944	170	1.25	170	O	4,610	−21.92	3- 1-78	—	—	W
29acb-1	M. C. Henrie	1948	210	1.5	210	O	4,606	−15.00 −23.48	3-19-63 3-21-81	—	—	—
31dcc-1	C. Bliss	1953	180	1.25	180	O	4,595	−1.00 −11.65	3-19-63 3-21-81	—	—	—
35aca-1	A. Bunker	1918	170	1.25	170	O	4,641	−33.04	3-11-81	—	—	W

Location	Owner or user	Year drilled	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude of land surface (feet)	Water level: Above(+) or below(−) land surface (feet)	Water level: Date	Yield: Rate (gal/min)	Yield: Date	Other data available
(C-16-8)1aaa-1	Millard County	1918	350	2	350	O	4,579	+.60 −3.03	3-14-63 3-18-81	–	–	–
2cdd-1	C. D. Ashby	–	–	1.25	–	–	4,578	−6.29	3-10-81	–	–	W
3cda-1	G. Mendenhall	1940	190	2	190	O	4,571	+.30 −5.21	3-15-63 3-24-81	–	–	–
8ddd-1	U.S. Bureau of Land Management	–	–	2	–	–	4,573.6	−5.63	3-10-81	–	–	W
10acd-1	G. Mendenhall	–	–	1.5	–	–	4,578	−3.80 −8.22	3-15-63 3-24-81	–	–	–
10cbd-1	do.	1940	153	2	153	O	4,573	+.60 −6.06	3-15-63 3-24-81	–	–	–
12ddd-2	L. C. Peck	1962	954	16	954	P744-944	4,587	−15.08	3-10-81	1,320P	7-12-72	W
13bbd-1	W. S. Walker	1950	122	2	122	O	4,580	−3.10 −7.52	3-18-63 3-18-81	–	–	–
13ddd-1	K. Porter	1918	–	1.25	–	–	4,589	−5.90 −8.36	3-18-63 3-18-81	–	–	–
14bad-1	G. A. Walker	1963	–	2.5	–	–	4,581	−5.90 −11.21	3-15-63 3-24-81	–	–	–
14cad-1	K. E. Murray	1919	–	2	–	–	4,581	−5.70 −10.42	3-15-63 3-18-81	–	–	–
15dbb-1	D. L. Petersen	1978	1,374	16,12	1,374	P850-1,374	4,580	−14.05	3-12-81	2,264P	6-25-80	L
15dcb-2	B. Schenna	–	110	1.25	110	O	4,578	−14.48	3-24-81	–	–	–
15ddd-4	O. T. Shepherd	1925	290	2	290	O	4,583	−12.66	3-10-81	–	–	W
16bcd-1	A. A. Young	1952	155	2	155	O	4,574	−.50 −5.15	5-15-63 3-24-81	–	–	–
18daa-1	U. S. Bureau of Land Management	–	–	1.25	–	–	4,569	−6.92	3-10-81	–	–	W,X
19ddd-1	do.	–	128	1.25	–	O	4,567.2	−8.97	3-10-81	–	–	W
21bbb-1	L. B. Ellsworth	1942	855	26,12	632	P130-632	4,572	−1.60 −7.83	3-18-63 3-19-81	780P	7-12-72	X
21bcb-1	do.	1942	996	26,12	996	P168-998	4,569.8	−9.04	3-10-81	954P	8-26-75	K,W,X
21cbb-1	do.	1942	658	26,12	640	P130-640	4,572	–	–	950P	7-10-74	K
21ddd-1	do.	–	125	2	125	O	4,575.3	−10.62	3- 2-76	–	–	W
22bad-2	H. Done	1964	626	12	626	P180-626	4,579	−12.25	3-10-81	1,010P	6-25-80	C,K,W
24baa-1	L. P. Gronning	1954	194	2	194	O	4,586	−11.56	3-10-81	–	–	W
24ccc-1	E. Fullmer	1912	–	1.25	–	–	4,588	−6.74 −13.13	3-18-63 3-18-81	–	–	–
26bcb-1	A. A. Young	1944	96	2	96	O	4,584	−15.29	3-10-81	–	–	W
26bdb-2	Golden Harvest Irrigation Co.	1959	844	18,16	844	P502-842	4,591	−31.49	3-10-81	1,190P	7-26-79	C,K,W
27bac-1	J. C. Peterson	1950	90	2	90	O	4,577	−2.90 −10.68	3-19-63 3-18-81	–	–	–
27ccc-1	J. S. Young	–	–	2	–	–	4,577	−11.20 −17.20	3-19-63 3-17-81	–	–	–
27daa-1	H. Young	1954	170	2	170	O	4,581	−11.80 −18.80	3-19-63 3-18-81	–	–	–
28add-1	J. S. Young	–	–	–	–	–	4,576	−3.10 −8.56	3-22-63 3-18-81	–	–	–
28cdd-1	W. K. Peterson	1976	828	12,8	700	–	4,579	−14.19	3-12-81	–	–	W
29aac-1	A. Young	1950	160	2	160	O	4,569.8	−2.60 −8.53	3-22-63 3-19-81	–	–	–
30dda-1	Bountiful State Bank	1928	165	1.25	165	O	4,570	−11.05	3-11-80	–	–	W
31cad-1	A. Young	1952	150	2	150	O	4,575	−11.30 −14.53	3-19-63 3-19-81	–	–	–
32baa-2	T. S. Melville	1953	155	2	155	O	4,572	−6.50 −13.42	3-19-63 3-19-81	–	–	–
36cdd-1	G. C. Bishop	1941	210	1.25	210	O	4,589	−17.90	3-10-81	–	–	W
36dad-1	R. J. Hoelzle	–	–	1.5	–	–	4,590	−1.00 −7.65	3-19-63 3-18-81	–	–	–
(C-16-9)19acd-1	U.S. Air Force	1979	180	2	180	P170-180	4,710	−176.19 −173.19	8- 6-80 3- 3-81	–	–	–
31cbc-1	do.	1979	201	2	201	P180-200	4,660	−120.45	3- 3-81	–	–	–
(C-17-6)3ada-1	E. Thomas	1950	580	16	580	P150-580	4,735	−104.58	3-12-81	–	–	W

Location	Owner or user	Year drilled	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude of land surface (feet)	Water level: Above(+) or below(−) land surface (feet)	Water level: Date	Yield: Rate (gal/min)	Yield: Date	Other data available
(C-17-6)6cbd-1	Delta City	1917	737	12	713	P(?)	4,643	−23.98	3- 6-81	–	–	C,K,W
8caa-1	C. M. Pace	1950	357	2	357	O	4,626	−9.84	3- 1-78	–	–	W
9bcc-1	Dewsnup and Dutson	–	–	–	–	–	4,627	+1.70 −5.07	3- 1-63 3-27-81	–	–	–
9dbb-1	L. B. Ellsworth	1949	335	2	335	O	4,633	−.20 −5.21	3- 1-63 3-27-81	–	–	–
12dad-1	U.S. Bureau of Land Management	1949	–	4	–	–	4,726	−79.33	3-12-81	–	–	W,X
16bcc-1	E. B. Willden	1954	402	2	402	O	4,618	+.47	3- 4-81	–	–	W
17aaa-1	R. M. Gardner	1962	840	16	834	P600-834	4,622	−1.44	3-27-81	1,830P	6-25-80	C,K,W
17dbc-1	C. M. Pace	1950	330	2	330	O	4,618	+3.20 −1.59	3- 1-63 3-27-81	–	–	–
18bda-1	R. D. Moody	1957	820	10	820	P610-820	4,626	−11.60	3- 4-81	–	–	W,X
20bbc-2	M. H. Workman	–	–	–	–	–	4,619	−7.39	3- 4-81	–	–	W
20cba-2	B. Hopkins	1954	430	1.25	430	O	4,616	+.42 −6.07	3- 5-63 3-28-81	–	–	–
21bdb-1	T. Larsen	1952	420	2	–	–	4,614	−.76	3- 4-81	–	–	W
21dcc-1	D. Pearson	1920	–	1.25	–	–	4,609	+1.90 −2.03	3- 4-63 3-28-81	–	–	–
22ddc-1	H. Farnsworth	–	–	1.25	–	–	4,607	+6.60 +2.70	3- 4-63 3-27-81	1F	3-27-81	–
26daa-2	L. B. Ellsworth	1926	–	16	–	–	4,634	−18.80	3-12-81	500P,e	7-11-74	C,K,W
26daa-3	do.	1955	720	12,8	720	P192-512	4,634	−17.11	3-12-81	850P	7-11-74	C,K,W
27baa-1	P. Theobald	1911	–	1.25	–	–	4,606	+6.40 +3.51	3- 4-63 3-27-81	3F	3-27-81	–
27ddd-1	A. Callister	1911	–	1.25	–	–	4,601	+6.80 +3.65	3- 4-63 3-27-81	1F	3-27-81	–
28acb-1	P. Theobald	1963	895	16	893	P170-893	4,608	–	–	1,480P	6-26-78	C,K
28dbc-1	E. Anderson	1952	352	2	352	O	4,605	+2.60 −1.01	3- 4-63 3-27-81	–	–	–
28dcb-1	F. S. Teeples	1949	425	2	425	O	4,604	+10.40 +4.15	3- 4-63 3-27-81	–	–	–
29baa-1	D. Sampson	1920	400	1.25	400	O	4,612	+5.60 +.55	3- 5-63 3-27-81	–	–	–
29cbb-1	J. L. Callister	1916	300	1.25	300	O	4,607	+2.90 −.87	3- 4-63 3-27-81	–	–	–
29ccc-1	C. B. Cox	1973	910	16	910	P610-910	4,604	–	–	2,595P	6-30-81	C,K
29ccc-2	U.S. Geological Survey	1980	230	6,2	221	P159-219	4,603	−8.00	3- 4-81	–	–	C,W
29dcb-1	D. M. Ross	1917	400	1.25	400	O	4,606	+.30 −3.67	3- 5-63 3-27-81	–	–	–
32bda-1	R. M. Ross	1912	–	1.25	–	–	4,603	−1.76	3- 4-81	–	–	W
33bcc-1	C. K. Ross	1914	360	1.25	360	O	4,598	+4.50 +.40	3- 4-63 3-27-81	–	–	–
33dcc-1	American Telephone and Telegraph Co.	1912	217	1.25	217	O	4,594	+2.85	3- 4-81	1F	6-19-79	W
34abb-1	N. V. Teeples	–	–	2	–	O	4,602	+7.40 +2.28	3- 4-63 3-26-81	1F	3-26-81	–
34cda-1	C. S. Teeples	1949	370	2	370	O	4,596	+11.40 +4.70	3- 4-63 3-27-81	1F	3-27-81	–
(C-17-7)1cba-1	Q. T. Shepard	–	–	1.25	–	–	4,633	−21.58	3-11-81	–	–	W
1ddd-4	Delta City	1953	865	12	860	P763-855	4,640	−8.30	3- 4-64	–	–	C,K,W
2ddd-5	N. S. Bassett	1963	734	4	726	O	4,630	−14.00 −21.63	3-20-63 3-28-81	–	–	–
7aca-1	G. M. Peterson	1946	196	1.25	196	O	4,604	−6.30 −17.89	3- 6-63 3-28-81	–	–	–
7bca-1	N. L. Peterson	1916	280	1.25	280	O	4,600	−6.10 −16.78	3- 6-63 3-28-81	–	–	–
8adb-1	E. L. Moody	1949	240	2	240	O	4,608	−13.21	3-12-81	–	–	W
8bbc-1	V. R. Bishop	1917	–	1.25	–	–	4,601	−1.70 −11.68	3- 6-63 3-28-81	–	–	–
8ccc-1	G. A. Ekins	1917	320	1.5	320	O	4,601	−6.70 −18.10	3- 6-63 3-28-81	–	–	–
8ddc-1	W. Petersen	1924	215	1.25	215	O	4,605	−6.00 −19.28	3- 6-63 3-28-81	–	–	–

Location	Owner or user	Year drilled	Depth of well (feet)	Casing			Altitude of land surface (feet)	Water level		Yield		Other data available
				Diameter (inches)	Depth (feet)	Finish		Above(+) or below(−) land surface (feet)	Date	Rate (gal/min)	Date	
(C-17-7)12aba-1	Delta City	1923	709	12,10,8	–	P481-(?)	4,637	−21.54	3-12-81	–	–	W
12dba-1	do.	1975	856	16	856	P600-837	4,633	−31.64	3-12-81	890P	9-12-79	L,W
13add-1	Delta LDS Third Ward	1953	590	2	590	O	4,625	−20.44	3- 4-80	–	–	W
14cbb-1	H. Farnsworth	1910	240	1.25	240	O	4,612	−12.60	3-10-81	–	–	W
14cdd-1	Hinkley City	–	670	8	–	–	4,615	−12.00	3-30-81	–	–	–
16ccc-1	G. Talbot	1943	227	1.25	227	O	4,599	−8.49	3-10-81	–	–	W
17dad-1	L. Talbot	1949	320	1.5	320	O	4,603	−5.00 −15.55	3- 6-63 3-28-81	–	–	–
18abb-1	O. Bliss	1922	170	1.25	170	O	4,597	−2.80 −12.62	3- 6-63 3-28-81	–	–	–
20cbb-1	W. J. Webb	1925	356	1.25	356	O	4,592.4	−9.74	3-10-81	–	–	C,K,W
21abb-1	M. Webb	1925	260	1.25	260	O	4,592	−3.20 −11.67	3- 6-63 3-28-81	–	–	–
22cdc-1	C. Allred	1900	290	1.25	290	O	4,601	−2.70 −13.28	3- 7-63 3-28-81	–	–	–
25daa-1	C. I. Nevins	1920	–	1.25	–	–	4,604	−4.85	3- 4-80	–	–	W
26cac-2	Oasis LDS Ward	1961	782	2,1.5	782	P752-782	4,601	–	–	–	–	K
26daa-1	L. Webb	1953	260	1.25	260	O	4,600	+4.50 −.73	3- 7-63 3-27-81	–	–	–
26dbc-1	S. J. Dewsnup	1919	170	1.25	170	O	4,599	+3.80 −2.37	3- 7-63 3-27-81	–	–	–
28ccc-3	Millard County	–	–	1.25	–	–	4,588	−3.32	3-10-81	–	–	W
28dca-1	O. A. Western	1912	500	1.25	500	O	4,594	+2.20 −10.57	3- 7-63 3-28-81	–	–	–
29bdc-1	M. A. Anderson	–	–	1.25	–	–	4,587	−1.80 −5.60	3- 6-63 3-28-81	–	–	–
29dcd-1	W. L. Crafts	1950	220	1.25	220	O	4,587	+8.10 +.67	3- 7-63 3-28-81	–	–	–
30bcb-1	B. R. Jackson	1952	388	2	388	O	4,580	+5.30 −2.81	3- 6-63 3-28-81	–	–	–
30cbb-1	D. F. Home	1954	220	3	220	O	4,581	+3.80 −1.64	3- 6-63 3-28-81	–	–	–
31cba-1	F. W. Mortensen	1910	–	1.25	–	–	4,578	−.48	3-28-81	–	–	–
32bcb-1	V. J. Davis	–	–	1.25	–	–	4,582	−.23	3- 6-79	–	–	W
33ccb-6	V. J. Warnick	1952	250	1.25	250	O	4,587	+2.80 −5.34	3- 7-63 3-28-81	–	–	–
34cbd-2	G. M. Peterson	1951	598	2	598	O	4,594	+3.00 −8.47	3- 7-63 3-28-81	–	–	C,K
35bbb-1	E. Stanworth	1954	190	1.25	190	O	4,595	−1.27	3-10-81	–	–	W
35dcc-1	E. Christensen	–	–	1.25	–	–	4,587	+5.20 +3.35	3- 7-63 3-27-81	–	–	–
(C-17-8)5aaa-1	M. Young	–	207	4	188	–	4,577	−12.81	3-10-81	–	–	W
9bbb-1	A. E. Reid	–	–	1.25	–	–	4,578	−8.90	3-10-81	–	–	W
11bbc-1	A. J. Skeem	1964	987	16	940	–	4,585	−21.12	3-10-81	2,185P	7-27-76	C,K,W
12bcb-1	G. Talbot	1952	172	1.25	172	O	4,584	−8.89	3-10-81	–	–	W
13acd-1	P. L. Barney	–	–	1.25	–	–	4,591	−2.70 −11.37	3- 6-63 3-24-81	–	–	–
13cdd-1	E. Wright	–	150	1.25	150	O	4,581	−2.65	3-10-81	–	–	K,W,X
16ddd-1	Western Properties Corp.	–	–	2	–	–	4,566	−3.80	3- 6-79	–	–	W
24add-1	Millard County	1900	140	1.25	140	O	4,581	−1.10 −5.57	3- 6-63 3-24-81	–	–	–
24ddd-1	D. Talbot	–	–	1.5	–	–	4,582	−.40 −5.33	3- 6-63 3-24-81	–	–	–
25aab-1	A. E. Theobald	1946	170	1.25	170	O	4,579	+.40 −4.48	3- 6-63 3-24-81	–	–	–
25daa-1	W. Shurtliff	1918	–	1.25	–	–	4,579	+.70 −2.45	3- 6-63 3-24-81	–	–	–
(C-17-9)5adb-1	U.S. Air Force	1980	155	2	155	P135-155	4,565	−23.37 −23.29	8- 6-80 3- 3-81	–	–	C,L
30aab-1	do.	1980	160	2	160	P140-160	4,560	−24.66 −24.64 −24.64	8- 6-80 3- 3-81 3- 5-81	–	–	C

Table 1.—Records of selected wells—Continued

Location	Owner or user	Year drilled	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude of land surface (feet)	Water level: Above(+) or below(−) land surface (feet)	Water level: Date	Yield: Rate (gal/min)	Yield: Date	Other data available
(C-17-10)28add-1	do.	1979	200	2	200	P180-200	4,665	−147.11 −146.92	8- 6-80 3- 3-81	–	–	L
(C-18-5)16bbc-1	–	–	–	6	–	–	4,715	−38.02	3-11-81	–	–	W
(C-18-6)2bbb-2	–	1961	246	2	238	O	4,593	+8.60	3-25-81	5F	3- 4-81	C,K,W
4bcb-1	J. M. Webb	1911	–	1.25	–	–	4,591	+6.10 +5.30	3- 5-63 3-25-81	3F,e	3-25-81	–
4dba-1	do.	–	–	1.25	–	–	4,590	+6.30 −2.87	3- 5-63 3-25-81	–	–	–
6aba-2	Inovative Farms	1965	812	12	812	P600-790	4,593	+8.66	3- 4-81	1,868P	6-17-80	C,K,W
6acd-1	C. D. Hart	1921	180	1.25	180	O	4,590	+5.90 +2.17	3- 5-63 3-25-81	1F	3-25-81	–
6cdc-1	D. S. Gillen	1922	165	1.25	165	O	4,585	+2.10 −1.07	3- 5-63 3-25-81	–	–	–
8cbb-1	J. M. Webb	1951	260	1.25	260	O	4,585	+3.54	3- 4-81	.25F	3-31-80	C,K,W
8cbb-2	U.S. Geological Survey	1980	20	2	20	P10-20	4,585	−5.09	3- 4-81	–	–	W
(C-18-7)1cba-1	A. Jensen	1923	225	1.25	225	O	4,587	+2.30 −.12	3- 8-63 3- 5-81	–	–	–
1dad-1	E. S. Gillen	–	–	1.25	–	–	4,586	+2.70 +.64	3- 5-63 3- 5-81	3F	3- 5-81	–
1dcd-1	Eliason Brothers	1961	356	2	273	O	4,586	+8.20 +3.67	3- 8-63 3- 5-81	–	–	–
2bbb-1	Styler Investment	–	140	1.25	140	O	4,589	+6.10 +1.36	3- 8-63 3- 5-81	1F	3- 5-81	–
2cca-1	L. Adams	1925	150	1.25	150	O	4,583	+5.30 +3.00	3- 8-63 3- 5-81	–	–	–
3ccb-1	G. Skeem	1920	140	1.25	140	O	4,582	+3.80 +.02	3- 8-63 3- 5-81	–	–	–
4bdb-1	L. M. Crapper	1956	314	1.25	314	O	4,585	+4.00 −4.55	3- 8-63 3- 5-81	–	–	–
4dda-2	L. E. Roundy	1917	180	1.25	180	O	4,581	+3.70 −.50	3- 8-63 3- 5-81	–	–	–
5bda-1	H. D. Jensen	1959	360	2	360	O	4,582	+8.20 −1.24	3- 7-63 3- 5-81	–	–	–
5dcd-1	H. L. Jensen	1951	380	1.25	380	O	4,583	−.27	3- 5-80	1F	6-20-79	K,W
7bbb-1	O. R. Croft	1955	421	2	421	O	4,577	+2.40 +.23	3- 7-63 3-10-81	–	–	–
8bda-1	T. B. Allred	1950	170	1.25	170	O	4,579	+1.10 −2.51	3- 7-63 3- 5-81	–	–	–
8caa-1	J. G. Dewsnup	1927	–	1.25	–	–	4,578	+2.80 −.58	3- 8-63 3- 6-81	–	–	–
10bcb-1	J. E. Skeem	1949	160	1.25	160	O	4,578	+6.40 +2.30	3- 8-63 3- 5-81	1F	3- 5-81	–
11ccb-1	Styler Investment Co.	1923	150	1.25	150	O	4,577	+8.10 +3.40	3- 8-63 3- 5-81	–	–	–
12bdb-1	E. A. Eliason	–	140	1.25	140	O	4,583	+4.00 +2.25	3- 8-63 3- 5-81	2F	3- 5-81	–
12cbb-1	M. E. Howell	1947	170	1.25	170	O	4,581	+7.40 +2.49	3- 8-63 3- 5-81	.25F	3- 5-81	–
17ccd-1	W. J. Black	1954	463	2	463	O	4,577	+14.50 +5.26	3- 7-63 3- 6-81	1F	3- 6-81	–
17dda-1	R. C. Skeem	1963	–	–	–	O	4,581	+1.98	3- 6-81	1F	8-22-79	K,W
18abb-1	J. H. Dewsnup	–	–	1.25	–	–	4,575	+1.40 −1.20	3- 7-63 3- 6-81	–	–	–
18caa-1	L. M. Cropper	–	–	–	–	–	4,574	+3.40 +2.19	3- 7-63 3- 6-81	1F	3- 6-81	–
18cda-1	H. Jensen	1955	512	2	512	O	4,573	+8.70 +4.40	3- 7-63 3- 6-81	1F	3- 6-81	–
19aca-1	D. L. Black	1952	478	1.25	478	O	4,574	+4.80 +2.69	3- 8-63 3- 6-81	–	–	–
20aba-1	R. C. Skeem	1944	355	1.25	355	O	4,577	+4.20 +1.08	3- 8-63 3- 6-81	–	–	–
20abb-1	do.	1948	540	2	540	O	4,576	+16.00	3- 8-63	1.5F	3- 6-81	C,K
20acd-1	do.	1954	363	2	363	O	4,575	+1.84	3- 6-81	–	–	W
(C-18-8)1ddd-1	L. Cropper	1963	–	2	–	O	4,575	+1.48	3-10-81	.5F	3-10-81	C,K,W

Table 1.—Records of selected wells—Continued

Location	Owner or user	Year drilled	Depth of well (feet)	Casing: Diameter (inches)	Casing: Depth (feet)	Casing: Finish	Altitude of land surface (feet)	Water level: Above(+) or below(−) land surface (feet)	Water level: Date	Yield: Rate (gal/min)	Yield: Date	Other data available
(C-18-8)13aba-1	A. Jensen	1950	330	1.25	330	O	4,569.6	+1.52	3- 6-81	1F	3- 6-81	W
24ada-2	W. Robison	1960	601	2	589	O	4,573	+4.18	3-10-81	3F	3-10-81	C,K,W
(C-18-10)20cbd-1	U.S. Air Force	1979	200	2	200	P182-200	4,689	−171.78 −176.66	8- 7-80 3- 3-81	–	–	L
25cad-1	do.	1980	112	2	112	P92-112	4,558	−23.13 −22.88	8- 7-80 3- 3-81	–	–	C
(C-19-8)27ddb-1	Union Pacific Railroad	–	–	–	–	–	4,577	−6.69	3-10-81	–	–	W
(C-19-9)29cbc-1	–	1934	699	1.25	699	O	4,590	−3.24	3- 3-81	–	–	–
(C-19-10)7bda-1	R. Metcalf	1951	778	8	742	O	4,692	−188.93	3- 3-81	–	–	W
(C-19-11)26aab-1	U.S. Air Force	1980	150	2	150	P130-150	4,615	–	–	–	–	L
(C-19-12)36bca-1	do.	1979	200	2	200	P182-200	4,607.5	−180.42 −180.29	8- 7-80 3- 3-81	–	–	–
(C-20-12)1aac-1	do.	1979	150	2	150	–	4,543.77	−56.67 −56.64	8- 7-80 3- 3-81	–	–	C

[1] Reported by Mower and Feltis, 1964 as (C-14-6)9bab-2.
[2] Reported by Mower and Feltis, 1964 as (C-14-7)20ccc-1.
[3] Reported by Mower and Feltis, 1964 as (C-14-8)13cda-1.
[4] Reported by Mower and Feltis, 1964 as (C-15-5)36abb-1.
[5] Reported by Mower and Feltis, 1964 as (C-16-5)13dbc-1.
[6] Reported by Mower and Feltis, 1964 as (C-16-7)3aaa-1.

Table 2.—Records of selected springs

Location: See explanation of well- and spring-numbering system.

Altitude of land surface: National Geodetic Vertical Datum of 1929; interpolated from U.S. Geological Survey topographic maps.

Source of water: Geologic unit from which spring discharges as mapped by Mower and Feltis (1964, pl. 2) — Qa, alluvium; QTv, volcanic rocks; Tsl, Salt Lake(?) Formation; Tiu, intrusive and extrusive igneous rocks; Tc, conglomerate; Kp€u, sedimentary and metamorphic rocks undifferentiated.

Specific conductance: In micromhos per centimeter at 25°C.

Other data available: C, chemical analyses (table 5).

Location	Name	Altitude of land surface (feet)	Source of water	Discharge (gal/min)	Specific conductance	Water temperature (degrees C)	Date	Other data available
(C-10-4)30aca-S1	—	6,920	Kp€u	5	490	8.0	5-22-63	—
(C-11-2)29ada-S1	—	6,840	Kp€u	1	680	—	5-20-63	—
29adc-S1	—	6,800	Tiu	.80	830	7.0	4-23-63	—
29ddd-S1	—	6,840	Qa	1.3	640	8.0	5-20-63	—
33bba-S1	—	7,080	Qa	1.5	480	8.0	5-20-63	—
(C-11-3)21dda-S1	—	5,490	Qa	4	1,230	12.0	4-23-63	—
28ddc-S1	—	5,460	Qa	6	1,010	12.0	4-23-63	—
(C-11-4)7aab-S1	Keg Spring	6,840	Qa	3.5	640	9.0	5-22-63	—
13aad-S1	—	5,760	Tsl	1	—	—	4-23-63	—
13ada-S1	—	5,760	Tsl	1	2,060	7.0	4-23-63	—
19bbb-S1	—	6,520	Qa	5.4	490	12.0	5-22-63	C
(C-11-5)7bab-S1	—	6,630	Tsl	9.2	330	14.0	5-28-63	—
7cac-S1	—	6,400	Tsl	6	530	11.0	6-28-63	—
8dcd-S1	Indian Springs	6,600	Kp€u	30	380	12.0	5-22-63	—
14cbd-S1	—	6,700	Qa	20	450	13.0	5-22-63	—
23aca-S1	—	6,390	Qa	75	520	13.0	5-22-63	—
24bcb-S1	—	6,460	Qa	6	660	—	5-22-63	—
(C-11-6)23daa-S1	—	5,730	Tsl	23.7	1,180	11.0	5-28-63	—
26aad-S1	—	5,710	Tsl	—	970	—	5-28-63	—
(C-12-2)6bab-S1	—	6,660	Qa	1	450	—	5-20-63	—
6bda-S1	—	6,700	Qa	1	410	—	5-20-63	—
(C-12-2½)1bda-S1	—	6,360	Tsl	1	640	—	5-20-63	—
13bcd-S1	Riley Springs	6,510	Tsl	—	680	—	6-12-63	—
(C-12-3)9abb-S1	Railroad Springs	5,490	Tsl	5.9	690	12.0	6-12-63	—
24ddb-S1	Riley Springs	6,350	Tsl	1	700	—	6-12-63	—
(C-12-4)11bba-S1	Mud Spring	5,850	Tsl	.5	1,180	—	6-12-63	—
(C-12-5)13bba-S1	—	5,560	Tsl	1.4	800	12.0	6-17-63	—
14dcc-S1	—	5,530	Tsl	—	770	—	7- 8-63	—
15cdc-S1	—	5,475	Tsl	1	1,440	—	7- 8-63	—
16aca-S1	Indian Springs	5,440	Tsl	500	1,100	12.0	8-28-79	—
16caa-S1	—	5,415	Tsl	150	—	12.0	8-23-61	—
23baa-S1	—	5,510	Tsl	2.7	1,180	17.0	6-12-63	—
(C-14-8)10dca-S1	Baker Hot Springs	4,628	QTv	1,200	6,080	78.0	7-27-79	C

Table 2.--Records of selected springs--Continued

Location	Name	Altitude of land surface (feet)	Source of water	Discharge (gal/min)	Specific conductance	Water temperature (degrees C)	Date	Other data available
(C-14-11)22bac-S1	Schoenburger Spring	5,770	Qa	—	1,620	—	6-24-63	—
26bdd-S1	Laird Spring	5,880	Tiu	1	2,260	—	8-22-61	—
(C-16-3)8abd-S1	Mourning Dove Spring	6,360	Qa	—	165	11.0	4-24-79	C
(C-16-5)10bbc-S1	—	4,700	Qb	—	2,010	—	9-26-57	C
(C-16-13)23adc-S1	Swasey Spring	6,635	Qa	—	770	9.0	4-23-79	C
33dac-S1	Stove Spring	7,785	Kp€u	—	770	8.0	4-22-79	C
34add-S1	Antelope Spring	7,520	Qa	40	560	11.0	4-24-63	—
(C-17-3)5ccc-S1	—	6,780	Qa	5	250	—	7-24-63	—
(C-17-4)12bcd-S1	Lime Kiln Spring	6,160	Qa	—	370	10.0	10-20-63	—
16dda-S1	First Spring	6,200	Kp€u	—	900	6.0	4-24-79	C
(C-17-10)4aab-S1	Little Drum Spring	5,080	Tc	.22	1,180	—	4-24-63	—
(C-18-4)4ddd-S1	Whiskey Spring	6,030	Tc	—	590	9.0	4-24-79	C
(C-19-14)3dac-S1	—	8,600	Qa	1	410	9.0	6-13-63	—
11bcb-S1	—	8,040	Qa	2	440	8.0	6-13-63	—
(C-20-7)3d-S	Clear Lake Spring	4,600	QTv	8,780	3,380	14.0	5-22-80	C

Table 3.—Drillers' logs of selected wells

[See explanation of well- and spring-numbering system.]

Alt.: Altitude of land surface in feet as listed in table 1; datum is National Geodetic Vertical Datum of 1929.
Thickness: In feet.
Depth: Depth to bottom of strata in feet below land surface.

Material	Thickness	Depth
(C-11-3)21adb-1. Log by Scott Stephenson Drilling Co. Alt. 5,510		
Soil	15	15
Clay, silt, and sand; poor water	37	52
Clay, sand, and small gray gravel	6	58
Silt and sand	10	68
Clay	2	70
Silt, sand, and gravel	30	100
Clay	5	105
Clay, sand, and gravel, stratified layers	43	148
Clay and gravel, mixed	5	153
Clay, sand, and gravel	30	183
Clay	32	215
Sand and gravel	2	217
Clay	2	219
Sand and gravel	2	221
Clay and gravel	30	251
Clay, gray	25	276
Clay, tan	11	287
Clay and gravel, light colors	18	305
Clay and gravel, stratified	22	327
Clay	69	396
Gravel	4	400
Clay and gravel, mixed	12	412
Clay, gray	34	446
Clay and gravel	4	450
Gravel	3	453
Clay	40	493
Gravel	2	495
Clay and gravel	12	507
Clay	58	565
Clay and shale	40	605
(C-13-6)9bcc-1. Log by G. E. Otott. Alt. 4,808		
Silt, sandy, tan	8	8
Sand, silty, brown	10	18
Sand, gravelly, gray-brown	8	26
Gravel, silty, gray-brown	11	37
Gravel, clayey, brown	11	48
Silt, sandy, brown	19	67
Clay, silty, white to whitish brown	20	87
Silt, clayey, reddish-brown	30	117
Clay, brown	10	127
Clay, silty, with traces of medium sand	23	150
(C-13-8)14bca-1. Log by B. Orodeza. Alt. 4,595		
Clay, silty	25	25
Clay	20	45
Clay, silty	5	50
Sand	20	70
Clay, silty	20	90
Sand and clay	8	98
Clay, silty	4	102
Gravel	1	103
Clay, silty	2	105
Sand, silty	4	109
Sand and clay	5	114
Clay, silty	6	120
Sand and clay	6	126
Clay and some sand	14	140
Sand and clay	17	157
Gravel, silty	1	158
Clay, silty	2	160
(C-14-3)33bbb-1. Log by Scott Stephenson Drilling Co. Alt. 4,828		
Silt and sand	35	35
Sand and gravel	70	105
Clay, sand, and gravel	55	160
Sand and gravel, clay showing	20	180
Sand and gravel	40	220
Sand, gravel, and conglomerate	34	254
Sand and gravel layers	16	270
Gravel	9	279
Clay, sand, and gravel, stratified	43	322
Bedrock	25	347
(C-15-5)15dad-1. Log by Ben B. Gardner Drilling Co. Alt. 4,780		
Clay and sand	3	3
Sand and gravel	24	27
Sand	28	55
Clay, blue	30	85
Clay, blue, and sand	20	105
Clay, blue	10	115
Clay with layers of sand	30	145
Clay and dark-gray sand	15	160
Sand; water	8	168
Clay, blue, sand, and gravel	10	178
Clay, yellow, and gravel	5	183
Sand and gravel	17	200
Sand and gravel with streaks of clay	10	210
(C-15-5)15dad-1.--Continued		
Clay, light-red	17	227
Sand and gravel; water	26	253
Clay	5	258
Gravel; water	14	272
Gravel with streaks of light-brown clay	8	280
Gravel; water	10	290
Clay, sandy	10	300
Sand and gravel; water	10	310
Clay, sandy, hard	30	340
Clay streaks, sandy	40	380
Sand	20	400
Clay, hard, sandy	10	410
Clay and gravel	4	414
Clay and sand	30	444
Clay, light-brown	40	484
Sand and gravel, cemented	41	525
Clay, dark-brown	20	545
Clay, sandy	40	585
Gravel; water	30	615
Clay, sandy	30	645
Clay	80	725
Clay with streaks of gravel	10	735
Clay, hard, sandy	20	755
Sand and gravel, cemented	10	765
Sand and clay, cemented	20	785
Clay, sticky, with gravel streaks	23	808
Gravel; water	2	810
Clay with gravel streaks	20	830
Clay	10	840
Clay with gravel streaks	20	860
Sand and gravel	14	874
Clay, sandy, and small gravel	10	884
Gravel; water	64	948
Gravel with small clay streaks; water	40	988
Gravel cemented with loose streaks	20	1,008
Clay, sand, and gravel, mixed	88	1,096
Gravel; water	5	1,101
Clay, mixed with sand and gravel	89	1,190
(C-15-5)26baa-1. Log by Ben B. Gardner and Scott Stephenson Drilling Co. Alt. 4,677.2		
Soil	5	5
Clay, brown, last 5 feet gray	48	53

Material	Thickness	Depth
(C-15-5)26baa-1.--Continued		
Sand and small pebbles	19	72
Clay, brown	6	78
Clay, pink, black sand, small gravel; good water	14	92
Clay, sticky	23	115
Sand, black	13	128
Sand and gravel; good water	47	175
Clay, light brown, sticky	35	210
Clay, sticky, with sand and water	40	250
Clay, sticky, with sand	20	270
Gravel; good water	31	301
Clay, red, and soft	37	338
Clay, sticky	2	340
Clay, sticky, with small gravel	3	343
Gravel; good water	17	360
Clay, sticky, with sand and small gravel layers	18	378
Clay, light colored, with a 2-foot section of sand and gravel with water	92	470
Clay, sticky	30	500
Sand and small gravel	10	510
Clay, sandy	5	515
Sand; water	20	535
Clay, light red	3	538
Clay, light brown	42	580
Clay, light brown, sticky	30	610
Sand, black	62	672
Sand and gravel with small layers of clay	3	675
Clay, light red	77	752
Clay, white	20	772
Gravel, large; water	6	778
Clay, silt	7	785
Gravel; water	5	790
Clay	30	820
Gravel; good water	28	848
Clay, gravel, and conglomerate	39	887
Clay and small gravel	13	900
Gravel, boulders, and conglomerate	56	956
Clay and gravel, stratified	4	960
Clay, sticky, brown	12	972
Clay and gravel, stratified	93	1,065
Boulders	85	1,150
(C-15-5)27dcc-1. Log by Ben B. Gardner Drilling Co. Alt. 4,678.8		
Sand	30	30
Clay and sand	35	65
Clay, white	5	70
Sand	22	92
Clay, red	13	105

Material	Thickness	Depth
(C-15-5)27dcc-1.--Continued		
Clay and sand, streaks	18	123
Sand and gravel; water	60	183
Clay, red with sand streaks	40	223
Sand	32	255
Clay and sand	23	278
Clay, red	5	283
Sand and small gravel; water	22	305
Clay, red	15	320
Sand and small gravel	5	325
Clay, light-red	15	340
Clay, white	18	358
Sand and gravel; water	13	371
Clay	57	428
Sand	16	444
Clay, white, and small gravel	24	468
Clay and gravel	6	474
Gravel; water	23	497
Clay and gravel	13	510
Clay, light-brown	69	579
Sand	5	584
Clay, light-brown	31	615
Sand	9	624
Clay, light-brown	73	697
Sand and gravel; water	8	705
Clay, sand, and gravel; water	10	715
Clay and sand, white and brown streaks; water	136	851
Conglomerate, very hard	22	873
Clay, sand, and gravel, mixed	17	890
Conglomerate	8	898
Gravel; water	4	902
Clay, brown	68	970
Sand and gravel	5	975
Clay, gray, and small gravel	55	1,030
Gravel	8	1,038
Clay, sand, and gravel, mixed	12	1,050
Sand and large gravel	14	1,064
Clay, sand, and gravel	12	1,076
Gravel, large	42	1,118
Clay, sand, and gravel	32	1,150
Clay, sand, gravel, and conglomerate streaks	14	1,164
Sand and gravel; water	23	1,187
Sand and small gravel	9	1,196
(C-15-5)33dcb-1. Log by Ben B. Gardner and Scott Stephenson Drilling Co. Alt. 4,670.7		
Soil	7	7
Sand; water	123	130
Sand and gravel; water	15	145
Sand	45	190

Material	Thickness	Depth
(C-15-5)33dcb-1.--Continued		
Clay	65	255
Sand and gravel; water	30	285
Clay, red	77	362
Sand and gravel	23	385
Clay, red	65	450
Gravel; water	12	462
Clay, sandy, red	73	535
Sand and gravel	10	545
Clay, red, sticky	40	585
Sand and gravel; water	45	630
Clay, sandy	10	640
Sand and gravel	30	670
Clay	10	680
Gravel	5	685
Sand	10	695
Sand and gravel	38	733
Clay and sand	16	749
Sand and gravel	26	775
Clay, red, sticky	50	825
Clay	5	830
Clay, gray	42	872
Gravel and sand	23	895
Clay, sticky, and some sand	9	904
Clay, sand, and small gravel	16	920
Gravel and clay	18	938
Clay, sticky	4	942
Clay and gravel	5	947
Gravel; water	10	957
Gravel, cemented	6	963
Clay and gravel	5	968
Gravel and sand	10	978
Clay and gravel, in small layers	20	998
Gravel and sand; good water	23	1,021
Clay	2	1,023
Gravel and sand	6	1,029
Clay	28	1,057
Gravel, cemented with some loose gravel and sand	26	1,083
Gravel, cemented	4	1,087
Clay and gravel, some cemented	13	1,100
Gravel, cemented, and clay	17	1,117
Gravel and sand, loose	5	1,122
Gravel, cemented, and clay	32	1,154
Clay, sand, and gravel	23	1,177
Clay, sticky	13	1,190
Conglomerate	55	1,245
Boulders, cemented	15	1,260
Conglomerate	25	1,285
(C-15-5)36bcb-1. Log by Scott Stephenson Drilling Co. Alt. 4,805		
Soil	5	5
Clay	10	15

Material	Thickness	Depth
(C-15-5)36bcb-1.--Continued		
Clay, sand, and gravel; water at 15 feet	32	47
Clay, gray	36	83
Clay, light-brown	35	118
Clay, sand, and gravel; water at 120 feet	27	145
Sand and gravel	7	152
Clay	12	164
Clay, sand, and gravel	16	180
Clay and sand	70	250
Gravel, small	8	258
Sand and gravel	5	263
Clay	5	268
Sand and gravel, small	19	287
Clay, sand, and gravel	8	295
Sand, black	15	310
Sand and gravel	8	318
Clay	22	340
Clay and gravel	15	355
Clay and sand	15	370
Clay	20	390
Sand	15	405
Clay, sand, and gravel, stratified	25	430
Clay and sand, thin layers	130	560
Sand and gravel	18	578
Clay	12	590
Sand and gravel	15	605
Clay, sand, and gravel, stratified	40	645
(C-15-6)19bcc-1. Log by Wright Drilling Co. Alt. 4,680		
Clay and sand	6	6
Clay	22	28
Sand, coarse	7	35
Clay and silt	62	97
Gravel	26	123
Clay and gravel	152	275
Sand	10	285
Clay, silt, and gravel	40	325
Sand and gravel	35	360
Clay and sand	88	448
Sand	14	462
Clay and sand	318	780
Sand	80	860
Clay and sand	85	945
Sand	66	1,011
Clay and sand	104	1,115
Clay and gravel	94	1,209
Gravel	13	1,222
(C-15-9)9cbd-1. Log by G. E. Otott. Alt. 4,598		
Silt, brown, sandy	9	9
Silt, brown	39	48
Clay, brown, silty	30	78
Clay, brown	10	88
Clay, brown, silty	63	151
(C-15-12)19ad. Log by Layne-Western Co. Inc. Alt. 5,260		
Silt, sand, gravel, and cobbles	10	10
Sand, greenish-brown	30	40
Gravel, dark-gray	10	50
Gravel, sand	20	70
Sand, some gravel	110	180
Sand, dark-greenish-brown	70	250
Clay, sand	110	360
Sand	60	420
Clay, sand with small gravel	10	430
Sand	10	440
Clay, sand with small gravel	20	460
Sand	70	530
Clay, sandy	20	550
Clay with sand	10	560
Clay, sandy	10	570
Clay with sand	10	580
Clay, sandy, with very little gravel	60	640
Clay, sandy, yellowish-brown	380	1,020
Bedrock, andesite	13	1,033
(C-16-4)30dbd-1. Log by Scott Stephenson Drilling Co. Alt. 4,985		
Soil	10	10
Clay, gravel, and boulders	202	212
Gravel	5	217
Gravel with clay showing	23	240
Clay and gravel, stratified	15	255
Gravel	47	302
Clay, chalk, and gravel mixed	28	330
Gravel; good water	10	340
Gravel, cemented	5	345
Clay and gravel, mixed	10	355
Gravel; good water	12	367
Gravel with clay in thin layers	23	390
Gravel	10	400
Clay, red and gravel, mixed	12	412
Clay and gravel; water	28	440
(C-16-5)9aaa-1. Log by C. M. Stephenson Drilling Co. Alt. 4,669		
Soil	5	5
Clay and sand	15	20
Sand and gravel	18	38
Gravel	4	42
Clay, brown	18	60
Clay with sand stringers	23	83
Sand, black	2	85
Clay	5	90
(C-16-5)9aaa-1.--Continued		
Sand, black	15	105
Clay, brown	7	112
Sand and gravel	16	128
Clay	2	130
Clay with sand stringers	8	138
Sand, black	2	140
Clay with sand stringers	20	160
Sand and gravel	17	177
Clay, brown	3	180
Clay, brown, with sand stringers	5	185
Clay, sandy, brown	21	206
Sand and gravel	11	217
Clay, brown	36	253
Sand	3	256
Clay, brown	14	270
Clay, sand, and gravel	20	290
Sand and gravel	7	297
Clay, brown	23	320
Clay, layered and sand	55	375
Clay, brown	34	409
Clay, brown, with sand stringers	31	440
Clay, sandy, with small gravel	15	455
Clay, sandy	5	460
Gravel	1	461
Clay and gravel, imbedded	14	475
Clay with sand stringers	40	515
Clay	30	545
Clay with sand stringers	15	560
Sand	16	576
Clay and gravel	9	585
Clay, brown	13	598
Sand	12	610
Clay, brown	15	625
Gravel	7	632
Clay, brown	5	637
Gravel	11	648
Clay, tight, brown	18	666
Sand with small gravel	9	675
Clay, brown	10	685
Clay, brown, with sand stringers	9	694
Gravel, small	4	698
Clay, brown	42	740
Clay, brown, with small gravel	10	750
Clay, brown	22	772
Sand	5	777
Clay, red, with sand stringers	10	787
Clay, gray, with sand stringers	18	805
Sand and gravel	7	812
Gravel	4	816
Clay, brown	21	837
Clay and gravel, 2-inch size	18	855
Gravel, 2-inch size	10	865

Material	Thickness	Depth
(C-16-5)9aaa-1--Continued		
Clay, white, hard	10	875
Clay, red	5	880
No record	22	902
Sand and gravel	7	909
Sand and small gravel with some clay showing	13	922
Clay	12	934
Clay, sandy	21	955
Gravel, small	2	957
Clay, pink, sticky	68	1,025
Clay with gravel showing	10	1,035
Clay, sticky	53	1,088
Clay and gravel	4	1,092
Clay	18	1,110
Clay and gravel	6	1,116
Clay	16	1,132
Gravel and sand; some water	18	1,150
Clay	18	1,168
Gravel and sand; water	10	1,178
Sand	10	1,188
Mudstone, clay, and some sand	17	1,205
Sand, coarse	15	1,220
Sand, gravel mixed with mudstone, stratified layers	55	1,275
(C-16-5)18caa-1. Log by Ben B. Gardner and Scott Stephenson Drilling Co. Alt. 4,669.1		
Soil	7	7
Sand; water	36	43
Gravel; water	2	45
Clay, sandy, red	82	127
Sand	11	138
Conglomerate	7	145
Sand	15	160
Clay	10	170
Gravel; water	20	190
Clay, red	45	235
Clay and sand	59	294
Conglomerate	6	300
Sand; water	6	306
Sand	6	312
Clay	8	320
Gravel; water	7	327
Clay	63	390
Gravel; water	15	405
Clay	27	432
Sand and gravel; water	3	435
Clay	55	490
Sand; water	60	550
Clay	28	578
Clay, sand, gravel streaks	140	718
Gravel; water	7	725
Clay	7	732
Clay, red	28	760
(C-16-5)18caa-1.--Continued		
Sand and cobbles	8	768
Clay and gravel, sandy, in streaks	32	800
Clay, red, sticky	8	808
Sand, gravel; water	6	814
Clay, red, sticky	20	834
Gravel; water	6	840
Clay	7	847
Clay, gray	88	935
Clay, sandy	19	954
Clay, red, with some sand	52	1,006
Sand	4	1,010
Clay, sticky	17	1,027
Sand and gravel	8	1,035
Clay, sticky; sand and gravel, stratified	15	1,050
Sand, small gravel, some layers of clay	85	1,135
(C-16-6)27aaa-1. Log by Scott Stephenson Drilling Co. Alt. 4,635		
Soil	4	4
Clay, brown	62	66
Sand	4	70
Clay	27	97
Clay, sandy, brown	6	103
Sand	5	108
Clay	47	155
Sand	13	168
Clay	15	183
Sand and small gravel	21	204
Clay	6	210
Sand and gravel	22	232
Clay	178	410
Sand and gravel	5	415
Clay	75	490
Clay, sandy and small gravel	32	522
Clay	34	556
Clay and thin layers of sand	34	590
Clay	14	604
Clay, sand, and gravel in stratified layers	33	637
Clay	13	650
Clay with some sand	21	671
Clay, sand, and small gravel	74	745
Clay with some sand	17	762
Clay, sand, and gravel in stratified layers	55	817
Gravel, cemented	29	846
Clay	5	851
Sand and gravel; good water	11	862
Clay, sand, and gravel in stratified layers	53	915
Clay	22	937
(C-16-6)27aaa-1.--Continued		
Clay and sand	14	951
Clay	133	1,084
Clay, sand, and gravel, stratified	17	1,101
Clay and small gravel	12	1,113
Gravel, cemented	1	1,114
Clay, brown and small gravel	21	1,135
Clay	15	1,150
Sand and small gravel	13	1,163
Gravel, cemented	7	1,170
Clay and sand, stratified	30	1,200
Clay, brown	30	1,230
(C-16-7)3acc-1. Log by Glen Mosley. Alt. 4,590		
Clay and sand	80	80
Clay, sandy	45	125
Clay, red, and sand	35	160
Clay, brown	15	175
Clay and sand	30	205
Clay	5	210
Clay, blue	35	245
Clay	15	260
Clay, blue, and sand	45	305
Clay and sand	40	345
Clay, blue	15	360
Clay and sand	10	370
Clay, blue	40	410
Clay, red, and sand; water	25	435
Clay and hardpan	55	490
Clay; water	5	495
Clay, blue-orange	55	550
Clay and sand	15	565
Sand, fine, and gravel; lots of water	10	575
Sand and gravel; lots of water	15	590
Clay, gummy	10	600
Clay, blue	21	621
Silt, gray, and sand	19	640
Shale, blue	25	665
Shale, yellow	10	675
Clay, gumbo, yellow	25	700
Shale, yellow	35	735
Shale, yellow, gumbo	6	741
Shale, yellow, and sand	29	770
Shale, yellow, gumbo	22	792
Shale, yellow, and sand	8	800
Shale, blue, and sand	10	810
Shale, blue; sand, and hardpan	15	825
Shale and pink sand	15	840
Shale, blue	5	845
Shale, blue, gumbo	20	865
Sand, hard, sharp	10	875

Material	Thickness	Depth
(C-16-8)15dbb-1. Log by Herald Petersen. Alt. 4,580		
Clay	12	12
Sand	2	14
Clay with small layers of sand	171	185
Sand	10	195
Clay and sand, very fine, in small layers	1,149	1,344
Sand	30	1,374
(C-17-7)12dba-1. Log by Scott Stephenson Drilling Co. Alt. 4,633		
Clay, light-brown, sandy	50	50
Clay, gray	24	74
Clay, brown and fine sand	18	92
Sand	16	108
Clay, brown	107	215
Sand	3	218
Clay, red	4	222
Clay, light-brown	120	342
Clay, silt, and sand, stratified	61	403
Clay, sticky	4	407
Clay and sand, stratified	18	425
Clay with some sand	45	470
Clay, sand, and small gravel	20	490
Clay with some sand	40	530
Clay and sand in thin layers	78	608
Sand and gravel; good water	8	616
Clay, sand, and gravel, stratified	44	660
(C-17-7)12dba-1.--Continued		
Clay with some sand	25	685
Clay	20	705
Clay, sand, and gravel; water	11	716
Clay	29	745
Sand, fine with wome clay	7	752
Clay with sand layers	35	787
Sand and gravel; water	21	808
Clay, sand, and gravel, stratified	48	856
(C-17-9)5adb-1. Log by G. E. Otott. Alt. 4,565		
Sand, brown, fine to medium	19	19
Sand, gravelly	8	27
Clay, brown	2	29
Clay, sandy	15	44
Sand, brown, fine	65	109
Sand, fine with some clay	22	131
Sand, fine	14	145
Sand and some clay	10	155
(C-17-10)28add-1. Log by John Whitler. Alt. 4,665		
Sand, silty	20	20
Clay, silty	30	50
Silt, sandy	10	60
Clay	10	70
Clay, silty	10	80
Silt, clayey	20	100
Clay, silty	20	120
Clay	10	130
Silt, sandy	10	140
(C-17-10)28add-1.--Continued		
Silt, clayey	20	160
Silt, sandy	10	170
Silt, clayey	20	190
Silt	10	200
(C-18-10)20cbd-1. Log by Ron Whitler. Alt. 4,689		
Gravel, clayey	4	4
Clay, silty	10	14
Silt, brown	19	33
Clay, silty, gray and white	20	53
Silt, clayey, brown	10	63
Clay, silty, brown	60	123
Silt, clayey, brown	11	134
Silt	9	143
Clay	20	163
Clay, silty	10	173
Silt	20	193
Silt, gravelly	4	197
Silt, clayey	3	200
(C-19-11)26aab-1. Log by G. E. Otott. Alt. 4,615		
Sand, silty	4	4
Clay	15	19
Silt, clayey	15	34
Clay, reddish-brown	5	39
Silt, clayey, brown	9	48
Silt, sandy, brown	11	59
Clay, brown	11	70
Silt, clayey, brown	15	85
No record	19	104
Silt, sandy	6	110
No record	20	130
Silt, sandy	20	150

Table 4.--Water levels in selected observation wells

See explanation of well- and spring-numbering system.
Altitudes are as listed in table 1; datum is National Geodetic Vertical Datum of 1929.
Water levels are in feet above (+) or below (-) land surface.
Letters appearing after measurements: P, well being pumped; R, well recently pumped; S, nearby well being pumped; T, nearby well recently pumped.

(C-11- 3)12CAD-1 ALT. 5920

SEP 10, 1979	-172.00	MAR 06, 1980	-176.30	MAR 13, 1981	-172.73	SEP 14, 1981	-170.92

(C-12- 3)29CDA-1 ALT. 5320

OCT 31, 1956	-250.0	SEP 03, 1980	-253.49	SEP 14, 1981	-253.07
MAR 06, 1980	-253.06	MAR 13, 1981	-253.12	MAR 06, 1982	-252.87

(C-12- 6)15BAC- 1 ALT. 5110.5

AUG 23, 1961	-201.27	AUG 22, 1966	-210.34	MAR 05, 1973	-208.77	MAR 02, 1978	-206.26
MAY 28, 1963	-204.89	MAR 01, 1967	-208.52	SEP 18	-208.67	AUG 30	-206.78
OCT 03	-205.02	AUG 21	-208.59	MAR 07, 1974	-208.34	MAR 07, 1979	-206.89
NOV 13	-207.19	AUG 19, 1968	-209.29	AUG 26	-208.20	AUG 28	-206.38
DEC 16	-205.36	AUG 25, 1969	-209.65	MAR 04, 1975	-209.56	MAR 07, 1980	-206.45
MAR 04, 1964	-205.59	MAR 06, 1970	-209.94	AUG 25	-207.86	MAR 02, 1981	-206.40
MAY 28	-205.99	AUG 24	-219.22 R	MAR 03, 1976	-207.18	SEP 17	-206.18
JUL 27	-205.92	MAR 06, 1971	-210.11	AUG 31	-210.46	MAR 02, 1982	-204.86
SEP 28	-206.09	MAR 03, 1972	-222.18 R	MAR 03, 1977	-207.04		
AUG 24, 1965	-207.11	SEP 11	-213.35 R	AUG 29	-207.33		

(C-13- 3)16DDD- 1 ALT. 5253

SEP 11, 1974	-301.62	MAR 03, 1977	-302.59	AUG 30, 1978	-301.70	MAR 06, 1980	-298.16
MAR 06, 1975	-301.83	AUG 29	-302.83	MAR 05, 1979	-301.16	SEP 03	-294.78
MAR 10, 1976	-302.10	MAR 01, 1978	-302.72	AUG 28	-299.10	MAR 13, 1981	-299.07

(C-13- 4)23BCD- 1 ALT. 5034

AUG 22, 1963	-92.02	MAR 02, 1967	-92.15	SEP 13, 1972	-92.24	MAR 01, 1978	-92.18
NOV 14	-92.04	AUG 25	-92.11	MAR 02, 1973	-92.19	AUG 30	-92.21
MAR 01, 1964	-92.07	MAR 01, 1968	-92.07	SEP 14	-92.20	MAR 05, 1979	-92.26
JUN 23	-92.16	AUG 29	-92.13	MAR 04, 1974	-92.16	AUG 24	-91.93
JUL 27	-92.12	MAR 05, 1969	-92.08	AUG 29	-92.25	MAR 06, 1980	-92.04
MAR 11, 1965	-92.07	MAR 02, 1970	-92.09	MAR 20, 1975	-92.26	AUG 27	-92.42
JUN 14	-92.63	SEP 02	-92.11	AUG 27	-92.25	MAR 13, 1981	-92.03
AUG 23	-92.07	MAR 02, 1971	-92.13	MAR 01, 1976	-92.22	SEP 14	-92.09
MAR 14, 1966	-92.04	AUG 23	-92.13	AUG 30	-92.26		
AUG 22	-92.10	MAR 01, 1972	-92.20	MAR 01, 1977	-92.23		

(C-13- 6)26BAC- 1 ALT. 4752.9

AUG 20, 1963	-71.16	MAR 01, 1967	-69.00	MAR 05, 1973	-69.34	MAR 31, 1980	-72.75
OCT 03	-69.89	AUG 21	-69.74	MAR 07, 1974	-69.38	SEP 04	-70.12
MAR 04, 1964	-69.01	MAR 03, 1968	-69.19	MAR 04, 1975	-70.40	MAR 02, 1981	-71.25
MAR 07, 1965	-69.03	MAR 08, 1969	-69.19	MAR 03, 1976	-69.45	SEP 17	-70.17
AUG 24	-69.95	MAR 06, 1970	-69.37	MAR 03, 1977	-69.58	MAR 02, 1982	-70.03
MAR 05, 1966	-69.02	MAR 06, 1971	-69.36	MAR 02, 1978	-69.66		
AUG 22	-69.60	MAR 03, 1972	-69.13	MAR 07, 1979	-69.63		

(C-13- 7) 9CBC- 1 ALT. 4638

AUG 21, 1961	-37.90	MAR 06, 1970	-37.74	MAR 03, 1977	-38.83	JUL 24, 1980	-38.67
AUG 22, 1963	-37.90	MAR 06, 1971	-37.44	29	-39.47	AUG 27	-39.03
SEP 24	-38.26	AUG 26	-38.14	MAR 02, 1978	-38.85	SEP 25	-39.16
NOV 15	-38.01	MAR 03, 1972	-37.24	AUG 30	-39.57	OCT 24	-39.29
MAR 04, 1964	-37.33	SEP 11	-38.42	MAR 07, 1979	-38.75	NOV 26	-39.16
FEB 27, 1965	-37.68	MAR 05, 1973	-37.77	AUG 21	-39.12	DEC 30	-39.07
AUG 24	-38.03	SEP 18	-38.57	OCT 23	-39.05	FEB 26, 1981	-38.77
MAR 28, 1966	-37.26	MAR 07, 1974	-37.91	JAN 22, 1980	-39.26	MAR 11	-38.76
MAR 01, 1967	-37.19	AUG 26	-38.85	FEB 12	-39.10	JUN 30	-38.67
AUG 21	-38.21	MAR 04, 1975	-38.44	MAR 07	-38.73	SEP 17	-39.49
MAR 03, 1968	-38.08	AUG 25	-38.66	APR 01	-38.58	MAR 02, 1982	-38.55
MAR 08, 1969	-37.83	MAR 03, 1976	-38.54	MAY 19	-38.36		
AUG 25	-39.85	AUG 30	-39.29	JUN 18	-38.32		

(C-14- 7) 1CAB- 1 ALT. 4651

FEB 27, 1965	-17.03	MAR 08, 1969	-17.46	AUG 26, 1974	-17.33	MAR 07, 1979	-19.01
AUG 24	-18.27	MAR 06, 1970	-16.66	MAR 04, 1975	-16.85	MAR 07, 1980	-19.35
MAR 05, 1966	-17.40	MAR 06, 1971	-16.05	AUG 25	-24.08 R	AUG 27	-36.44 P
AUG 22	-19.87	AUG 25	-29.18 R	MAR 03, 1976	-16.78	OCT 13	-40.04 P
MAR 01, 1967	-17.03	MAR 03, 1972	-15.80	SEP 30	-18.65	SEP 17, 1981	-18.40
AUG 21	-31.48 R	SEP 11	-17.90	MAR 03, 1977	-17.67	MAR 02, 1982	-8.54
MAR 03, 1968	-17.58	MAR 05, 1973	-17.40	AUG 29	-19.93		
AUG 28	-18.72	MAR 07, 1974	-16.69	MAR 02, 1978	-18.99		

(C-14- 7)26ACB-1 ALT. 4612

JUL 11, 1980	-11.71	MAR 03, 1981	-12.36	MAY 21, 1981	-11.18	MAR 02, 1982	-11.68
24	-12.23	APR 24	-11.28	JUN 30	-11.78		

(C-14- 8)25CCC- 1 ALT. 4570

APR 26, 1963	+3.22	MAR 05, 1971	+2.01	MAR 14, 1979	+1.58	OCT 23, 1980	+1.30
MAR 06, 1964	+2.91	MAR 02, 1972	+2.22	JUL 26	+1.44	FEB 01, 1981	+1.15
MAR 06, 1965	+2.57	MAR 05, 1973	+2.04	AUG 24	+1.37	26	+1.44
AUG 24	+2.62	MAR 06, 1974	+1.66	MAR 11, 1980	+1.77	MAR 11	+1.43
MAR 05, 1966	+2.53	MAR 20, 1975	+1.10	MAY 19	+1.79	JUN 30	+1.58
MAR 02, 1967	+2.38	MAR 03, 1976	+1.62	JUN 18	+1.81	SEP 17	+1.67
MAR 03, 1968	+2.28	MAR 03, 1977	+0.98	AUG 27	+1.63	MAR 06, 1982	+1.69
MAR 07, 1969	+1.78	MAR 02, 1978	+1.35	SEP 25	+1.30		

(C-15- 4) 8CBA-1 ALT. 4709.1

NOV 06, 1951	-12.10	DEC 01, 1959	-14.87	NOV 28, 1962	-16.71	MAR 01, 1973	-18.18
DEC 03	-12.01	29	-14.75	MAR 01, 1963	-15.99	SEP 14	-17.62
APR 03, 1952	-12.21	JAN 07, 1960	-14.65	SEP 27	-23.68	MAR 04, 1974	-16.77
MAY 07	-12.90	FEB 03	-14.46	OCT 28	-19.51	MAR 07, 1975	-16.69
JUL 08	-14.35	MAR 05	-14.23	DEC 19	-18.23	MAR 01, 1976	-17.07
NOV 25	-11.64	APR 05	-17.10	JAN 29, 1964	-17.81	AUG 30	-28.76
MAR 26, 1953	-12.21	09	-17.72	MAR 01	-17.41	MAR 01, 1977	-18.08
DEC 02	-11.83	OCT 04	-21.62	25	-17.51	MAR 01, 1978	-20.22
APR 09, 1954	-11.91	NOV 17	-15.68	MAR 04, 1965	-18.73	OCT 09	-21.20
DEC 09, 1958	-13.52	DEC 12	-15.36	AUG 23	-26.63	MAR 05, 1979	-20.34
MAR 23, 1959	-13.10	FEB 28, 1961	-14.67	MAR 01, 1966	-18.43	MAR 06, 1980	-21.20
OCT 06	-17.85	MAR 20	-14.58	AUG 22	-30.43	SEP 03	-22.19
27	-14.92	AUG 02	-24.14	MAR 01, 1967	-19.16	DEC 17	-18.39
NOV 03	-14.68	NOV 15	-16.57	MAR 01, 1968	-19.76	JAN 09, 1981	-18.14
10	-14.59	JAN 20, 1962	-15.77	AUG 23	-30.15	MAR 11	-18.09
16	-14.48	MAR 14	-15.45	MAR 05, 1969	-19.33	SEP 14	-19.66
17	-14.51	APR 12	-15.28	MAR 02, 1970	-18.17	MAR 03, 1982	-17.22
23	-14.42	SEP 21	-21.99	MAR 02, 1971	-16.91		
30	-14.87	NOV 01	-17.34	MAR 01, 1972	-16.43		

(C-15- 4)11ADD-1 ALT. 4786.6

SEP 03, 1963	-80.48	MAR 04, 1965	-79.93	MAR 01, 1972	-76.00	MAR 05, 1979	-80.91
27	-80.67	MAR 01, 1966	-79.19	MAR 01, 1973	-77.08	MAR 03, 1980	-81.47
OCT 28	-80.89	MAR 01, 1967	-79.01	MAR 04, 1974	-75.48	AUG 27	-76.52
DEC 19	-80.73	MAR 01, 1968	-80.19	MAR 07, 1975	-76.03	MAR 10, 1981	-77.93
MAR 01, 1964	-79.73	MAR 05, 1969	-79.36	MAR 01, 1976	-76.09	SEP 14	-76.31
25	-79.87	MAR 02, 1970	-77.23	MAR 01, 1977	-79.25	MAR 03, 1982	-77.91
MAY 01	-79.77	MAR 02, 1971	-76.65	MAR 01, 1978	-80.73		

(C-15- 4)17DAB- 1 ALT. 4825

NOV 06, 1951	-124.90	DEC 02, 1957	-127.40	MAR 01, 1966	-130.93	FEB 28, 1981	-118.07
DEC 03	-124.70	MAR 23, 1959	-127.10	MAR 01, 1967	-131.80	MAR 05	-118.03
APR 03, 1952	-125.49	OCT 27	-129.20	MAR 01, 1968	-132.40	10	-118.01
JUL 08	-138.70	NOV 03	-129.01	JAN 15, 1981	-118.37	15	-118.00
MAR 26, 1953	-125.19	10	-128.90	20	-118.34	20	-117.97
DEC 02	-124.78	16	-128.87	25	-118.28	25	-117.94
APR 09, 1954	-125.02	MAR 05, 1960	-133.17	31	-118.24	31	-118.03
NOV 29	-125.50	MAR 20, 1961	-128.64	FEB 05	-118.20	APR 05	-118.00
DEC 07, 1955	-127.02	MAR 15, 1962	-129.34	10	-118.17	10	-117.97
MAR 23, 1956	-125.80	MAR 01, 1963	-129.68	15	-118.15	15	-117.95
DEC 07	-127.20	MAR 01, 1964	-130.64	20	-118.13	20	-117.93
MAR 22, 1957	-125.80	MAR 04, 1965	-131.26	25	-118.11	25	-117.91

(C-15- 4)17DAB- 1 -- CONTINUED

APR 30, 1981	-117.90	JUN 05, 1981	-117.90	JUL 10, 1981	-117.88	AUG 15, 1981	-117.78
MAY 05	-117.90	10	-117.90	15	-117.86	20	-117.77
10	-117.91	15	-117.89	20	-117.83	25	-117.75
15	-117.92	20	-117.90	25	-117.81	SEP 05	-117.74
20	-117.92	25	-117.92	31	-117.79	10	-117.74
25	-117.92	30	-117.92	AUG 05	-117.78		
31	-117.91	JUL 05	-117.92	10	-117.78		

(C-15- 4)18DAA-1 ALT. 4847.5

NOV 06, 1951	-142.00	NOV 03, 1959	-145.31	MAR 15, 1962	-146.40	MAR 02, 1971	-145.75
DEC 03	-142.03	10	-145.29	APR 12	-146.20	MAR 01, 1972	-146.65
APR 03, 1952	-142.29	16	-145.09	NOV 01	-148.33	MAR 01, 1973	-147.02
MAR 26, 1953	-142.25	23	-145.01	28	-147.93	MAR 04, 1974	-145.58
DEC 02	-141.85	30	-144.93	MAR 01, 1963	-146.85	MAR 07, 1975	-145.41
APR 09, 1954	-142.21	DEC 29	-144.80	OCT 28	-150.09	MAR 01, 1976	-145.76
NOV 29	-142.60	JAN 07, 1960	-144.69	DEC 19	-148.89	MAR 01, 1977	-146.85
DEC 07, 1955	-145.35	FEB 03	-145.31	MAR 01, 1964	-147.81	MAR 01, 1978	-149.08
MAR 24, 1956	-143.30	MAR 05	-144.25	MAR 04, 1965	-149.54	MAR 05, 1979	-149.24
DEC 07	-144.25	NOV 17	-147.03	MAR 01, 1966	-150.86	MAR 03, 1980	-150.18
DEC 02, 1957	-144.38	DEC 12	-146.58	MAR 01, 1967	-148.05	DEC 17	-147.20
NOV 04, 1958	-145.25	FEB 28, 1961	-145.92	MAR 01, 1968	-148.74	MAR 11, 1981	-146.88
MAR 13, 1959	-144.20	MAR 20	-145.82	MAR 05, 1969	-148.28	MAR 03, 1982	-145.96
OCT 27	-146.42	NOV 15	-147.42	MAR 02, 1970	-147.09		

(C-15- 4)19CCC- 1 ALT. 4683.8

AUG 30, 1979	-156.13 P	DEC 18, 1979	-25.37	OCT 23, 1980	-11.28	MAY 20, 1981	-8.45 R
SEP 11	-154.64 P	FEB 11, 1980	-20.11	JAN 08, 1981	-9.17	SEP 14	-8.03
12	-69.45 R	MAR 03	-18.42	MAR 25	-9.44	MAR 03, 1982	-6.35

(C-15- 4)19CCC-2 ALT. 4683.8

MAY 20, 1980	+3.78	DEC 29, 1980	+3.59	MAY 20, 1981	+3.78 T
OCT 23	+2.86	JAN 08, 1981	+3.72	JUN 29	+3.27
NOV 26	+3.18	MAR 25	+4.03	SEP 14	+3.06

(C-15- 4)20CAA-1 ALT. 4834

DEC 19, 1963	-147.83	MAR 01, 1968	-152.45	JAN 03, 1975	-148.08	MAR 01, 1978	-155.47
MAR 01, 1964	-146.14	MAR 05, 1969	-151.76	04	-148.05	MAR 05, 1979	-155.62
MAY 01	-153.60	MAR 02, 1970	-148.78	05	-148.11	MAR 06, 1980	-158.35
28	-155.88	MAR 02, 1971	-147.58	06	-148.01	DEC 17	-156.40
AUG 26	-163.01	MAR 01, 1972	-145.78	07	-147.98	MAR 25, 1981	-150.98
MAR 04, 1965	-149.27	MAR 01, 1973	-151.42	08	-147.85	SEP 14	-150.79
AUG 23	-161.37	MAR 04, 1974	-147.14	MAR 07	-144.95	MAR 03, 1982	-149.08
MAR 01, 1966	-146.24	JAN 01, 1975	-148.13	MAR 01, 1976	-148.16		
MAR 01, 1967	-150.58	02	-148.02	MAR 01, 1977	-149.86		

(C-15- 4)26DCC- 1 ALT. 4980

NOV 06, 1951	-243.60	NOV 28, 1959	-261.07	AUG 03, 1960	-264.17	MAR 05, 1969	-264.48
DEC 03	-243.68	30	-260.78	09	-264.94	MAR 02, 1970	-260.64
APR 03, 1952	-243.90	DEC 03	-260.44	NOV 17	-264.28	MAR 02, 1971	-261.45
DEC 02, 1953	-249.24	08	-259.96	DEC 12	-263.70	MAR 01, 1973	-263.90
NOV 29, 1954	-248.35	11	-259.87	FEB 28, 1961	-258.96	MAR 04, 1974	-263.69
DEC 07, 1955	-250.70	15	-259.60	NOV 15	-263.25	MAR 06, 1975	-262.66
MAR 04, 1956	-248.35	18	-259.33	MAR 14, 1962	-258.79	MAR 01, 1976	-260.43
DEC 07	-252.60	21	-258.84	APR 12	-257.98	MAR 01, 1977	-263.02
MAR 22, 1957	-250.50	22	-259.05	SEP 21	-270.12	MAR 01, 1978	-267.87
DEC 02	-252.99	24	-258.64	NOV 01	-263.52	MAR 05, 1979	-267.59
MAR 26, 1958	-249.85	29	-258.47	29	-260.80	JUN 25, 1980	-261.15
DEC 09	-253.03	FEB 03, 1960	-256.99	MAR 01, 1963	-257.40	SEP 03	-254.69
MAR 23, 1959	-250.70	MAR 05	-255.83	DEC 19	-265.56	DEC 18	-259.94
NOV 03	-265.42	27	-255.28	MAR 01, 1964	-261.98	MAR 11, 1981	-257.89
10	-263.75	JUL 19	-266.10	MAR 01, 1965	-263.51	MAR 03, 1982	-260.63
16	-262.83	22	-265.53	MAR 01, 1966	-262.40		
23	-261.72	26	-264.95	MAR 01, 1967	-264.20		
25	-261.20	29	-264.63	MAR 01, 1968	-264.95		

(C-15- 5) 1CCB- 1 ALT. 4790

OCT 06, 1959	-103.93	JUN 13, 1960	-106.02	SEP 27, 1963	-109.51	MAR 04, 1974	-102.19
26	-100.29	OCT 04	-109.58	OCT 28	-104.35	MAR 07, 1975	-100.57
NOV 02	-99.91	NOV 17	-98.18	DEC 19	-99.98	MAR 01, 1976	-100.80
10	-99.79	DEC 12	-97.22	MAR 04, 1964	-95.64	MAR 01, 1977	-101.91
16	-99.65	FEB 28, 1961	-94.00	MAR 04, 1965	-100.55	MAR 01, 1978	-104.82
17	-99.67	MAR 20	-94.05	MAR 01, 1966	-101.48	MAR 05, 1979	-104.14
23	-99.58	NOV 15	-98.82	MAR 01, 1967	-101.96	SEP 10	-119.28
30	-99.50	MAR 15, 1962	-95.41	MAR 01, 1968	-103.09	MAR 03, 1980	-104.69
DEC 29	-99.19	APR 12	-92.94	MAR 05, 1969	-102.40	SEP 03	-105.28
JAN 07, 1960	-98.90	JUN 21	-110.00	MAR 02, 1970	-102.09	DEC 17	-101.54
FEB 03	-97.86	NOV 01	-101.12	MAR 02, 1971	-100.33	MAR 11, 1981	-101.20
MAR 29	-96.68	29	-98.52	MAR 01, 1972	-100.16	SEP 14	-102.99
MAY 23	-112.73			MAR 01, 1973	-103.24		

(C-15- 5)13BBC- 1 ALT. 4780

DEC 02, 1957	-96.14	MAR 29, 1960	-97.61	OCT 31, 1963	-101.54	MAR 07, 1975	-96.13
MAR 28, 1958	-95.58	OCT 27	-99.16	DEC 19	-99.99	MAR 01, 1976	-97.60
OCT 07	-99.80	NOV 17	-98.33	JAN 29, 1964	-99.48	MAR 01, 1977	-99.49
DEC 09	-95.85	DEC 12	-97.62	MAR 01	-99.04	MAR 01, 1978	-101.77
FEB 24, 1959	-96.15	FEB 28, 1961	-97.20	MAR 04, 1965	-99.67	MAR 05, 1979	-101.95
MAR 13	-95.65	MAR 20	-96.78	MAR 01, 1966	-99.54	MAR 03, 1980	-101.98
23	-95.57	NOV 03	-98.73	MAR 01, 1967	-100.26	AUG 27	-103.00
OCT 06	-101.41	30	-98.26	MAR 01, 1968	-101.07	DEC 17	-99.10
26	-97.99	MAR 14, 1962	-97.07	MAR 05, 1969	-100.86	JAN 08, 1981	-98.79
NOV 30	-97.09	APR 12	-96.95	MAR 02, 1970	-99.33	MAR 11	-98.68
DEC 29	-96.92	SEP 21	-106.57 R	MAR 02, 1971	-96.15	SEP 14	-100.00
JAN 07, 1960	-96.81	NOV 01	-99.55	MAR 01, 1972	-95.56	MAR 03, 1982	-97.65
FEB 03	-96.54	29	-98.67	MAR 01, 1973	-97.76		
MAR 05	-96.33	MAR 01, 1963	-97.58	MAR 04, 1974	-96.20		

(C-15- 5)15DAD- 1 ALT. 4780

JUL 31, 1975	-111.08	OCT 25, 1976	-111.58	MAY 20, 1977	-144.56	DEC 15, 1977	-122.10
AUG 05	-110.57	31	-111.22	25	-145.27	20	-121.70
10	-110.65	NOV 05	-110.91	31	-148.82	25	-121.20
15	-110.76	10	-110.67	JUN 05	-152.98	31	-120.80
20	-110.64	15	-110.50	10	-155.16	JAN 05, 1978	-120.40
25	-110.66	20	-110.27	15	-156.87	10	-120.00
NOV 15	-107.48	25	-109.94	20	-157.72	15	-119.60
MAR 05, 1976	-117.31	30	-109.93	25	-158.79	20	-119.20
10	-113.55	DEC 05	-109.89	30	-159.72	25	-118.80
MAY 15	-112.37	10	-109.86	JUL 05	-159.06	31	-118.40
20	-111.73	15	-109.59	10	-159.08	FEB 05	-118.00
25	-112.18	20	-109.47	15	-158.07	10	-117.60
31	-112.23	25	-109.34	20	-155.91	15	-117.20
JUN 05	-112.36	31	-108.83	25	-154.86	20	-116.80
10	-112.26	JAN 05, 1977	-108.68	31	-153.47	25	-116.30
15	-112.29	10	-108.75	AUG 05	-152.32	28	-115.98
20	-112.28	15	-108.72	10	-153.25	MAR 01	-115.92
25	-112.21	20	-108.55	15	-156.23	05	-115.75
30	-112.29	25	-108.51	20	-158.03	10	-115.65
JUL 05	-112.44	31	-108.27	25	-156.13	15	-115.66
10	-111.94	FEB 05	-108.27	31	-157.48	20	-115.51
15	-111.69	10	-108.23	SEP 05	-148.13	25	-115.64
20	-111.62	15	-108.09	10	-146.61	31	-115.73
25	-111.47	20	-107.90	15	-148.42	APR 05	-116.03
31	-111.38	25	-107.87	20	-141.00	10	-116.29
AUG 05	-111.17	28	-107.66	25	-149.12	15	-116.48
10	-110.95	MAR 05	-121.27	30	-150.21	20	-116.59
15	-111.41	10	-129.26	OCT 05	-140.67	25	-120.22
20	-111.87	15	-132.52	10	-136.43	30	-130.41
25	-111.79	20	-133.12	15	-133.58	MAY 05	-137.07
31	-112.21	25	-133.22	20	-131.67	10	-141.62
SEP 05	-112.66	31	-133.34	25	-129.78	15	-144.34
10	-112.92	APR 05	-133.46	31	-128.30	20	-146.36
15	-112.48	10	-133.58	NOV 05	-127.50	25	-149.10
20	-112.35	15	-133.70	10	-126.70	31	-150.10
25	-112.25	20	-133.80	15	-125.90	JUN 05	-151.10
30	-12.50	25	-135.80	20	-125.10	10	-152.70
OCT 05	-112.87	30	-138.36	25	-124.30	15	-154.74
10	-113.00	MAY 05	-140.06	30	-123.53	20	-156.33
15	-112.47	10	-142.26	DEC 05	-123.00	25	-158.02
20	-112.11	15	-143.66	10	-122.60	30	-159.46

Table 4.--Water levels in selected observation wells--Continued

(C-15- 5)15DAD- 1 -- CONTINUED

JUL 05, 1978	-160.00	MAY 05, 1979	-133.32	FEB 15, 1980	-121.75	DEC 10, 1980	-112.02
10	-160.21	10	-137.50	20	-121.51	15	-111.88
15	-158.72	15	-137.73	25	-121.52	17	-111.64
20	-159.53	20	-141.11	29	-121.09	20	-111.60
25	-160.67	25	-144.10	MAR 03	-120.75	25	-111.53
31	-158.02	31	-146.50	05	-120.54	29	-111.38
AUG 05	-160.00	JUN 05	-148.10	10	-120.12	31	-111.33
10	-160.41	10	-148.60	15	-120.10	JAN 05, 1981	-111.31
15	-154.96	15	-149.10	20	-119.75	15	-110.76
20	-155.01	20	-149.60	25	-119.64	20	-110.77
25	-154.71	25	-150.10	31	-119.48	25	-110.63
31	-154.83	30	-153.15	APR 05	-119.41	31	-110.69
SEP 05	-154.79	JUL 05	-156.61	10	-119.34	FEB 05	-114.00 S
10	-153.00	10	-158.96	15	-119.22	10	-116.33 S
15	-148.00	15	-160.53	20	-118.88	15	-117.87 S
20	-142.00	20	-162.60	25	-118.68	20	-118.57 S
25	-140.00	25	-165.60	30	-118.47	25	-119.06 S
30	-138.00	26	-166.28	MAY 05	-118.27	28	-117.23 T
OCT 05	-136.00	31	-168.14	10	-118.07	MAR 05	-114.19 T
10	-134.00	AUG 05	-169.60	15	-117.68	10	-113.00 T
15	-132.00	10	-170.90	20	-117.68	15	-112.25 T
20	-130.00	15	-172.39	25	-117.34	20	-111.37 T
25	-128.00	20	-173.73	31	-117.12	25	-110.27 T
31	-126.93	25	-174.59	JUN 05	-116.94	31	-110.82
NOV 05	-126.01	31	-172.60	10	-116.66	APR 05	-110.52
10	-124.96	SEP 05	-172.41	15	-116.58	10	-110.27
15	-124.43	10	-172.11	20	-116.30	15	-110.26
20	-123.70	15	-161.41	25	-116.10	20	-110.14
25	-123.20	20	-155.77	30	-115.99	24	-110.11
30	-122.70	25	-151.80	JUL 05	-115.79	25	-110.02
DEC 05	-122.20	30	-147.80	10	-115.61	30	-110.11
10	-121.70	OCT 05	-144.39	15	-115.48	MAY 05	-110.00
15	-121.16	10	-142.08	20	-115.28	10	-110.00
20	-120.77	15	-140.19	24	-115.01	15	-110.00
25	-120.23	20	-138.44	25	-114.86	20	-110.11
31	-119.75	25	-137.07	31	-114.54	25	-110.11
JAN 05, 1979	-119.25	31	-135.70	AUG 05	-114.18	31	-110.00
10	-118.96	NOV 05	-134.73	10	-114.19	JUN 05	-109.95
15	-118.55	10	-133.68	15	-114.10	10	-109.95
20	-118.42	15	-133.00	20	-113.89	15	-110.17
25	-117.77	20	-132.13	25	-113.78	20	-109.90
31	-117.51	25	-131.15	31	-113.68	25	-109.91
FEB 05	-117.37	30	-130.11	SEP 03	-114.06	30	-109.89
10	-117.07	DEC 05	-129.88	05	-113.57	JUL 05	-109.71
15	-116.75	10	-129.87	10	-113.46	10	-109.67
20	-116.38	15	-128.58	15	-113.35	15	-109.71
25	-116.25	18	-128.25	20	-113.25	20	-109.72
28	-115.94	20	-127.81	25	-113.14	25	-109.50
MAR 05	-116.01	25	-127.26	30	-113.02	31	-109.28
10	-115.73	31	-126.71	OCT 05	-112.98	AUG 05	-109.21
15	-115.37	JAN 05, 1980	-125.80	10	-112.97	10	-109.12
20	-115.26	10	-125.34	15	-111.96	15	-109.17
25	-115.19	15	-124.90	20	-112.88	20	-109.27
31	-115.18	20	-124.54	23	-112.98	25	-109.32
APR 05	-115.13	21	-124.48	25	-112.69	31	-109.32
10	-114.89	25	-123.80	31	-112.70	SEP 14	-109.53
15	-115.00	31	-123.04	NOV 05	-112.62	MAR 03, 1982	-108.94
20	-115.10	FEB 05	-122.71	10	-112.45		
25	-115.26	10	-122.13	15	-112.46		
30	-126.72	11	-122.55	25	-112.37		

(C-15- 5)15DAD-2 ALT. 4780

OCT 23, 1980	-101.87	DEC 29, 1980	-101.11	APR 24, 1981	-100.29	SEP 14, 1981	-101.35
NOV 25	-101.51	JAN 08, 1981	-100.91	MAY 20	-101.15	MAR 03, 1982	-99.85
DEC 17	-101.32	MAR 25	-100.52	JUN 30	-101.67		

(C-15- 5)26BAA- 1 ALT. 4677.2

NOV 02, 1959	+0.60	DEC 29, 1959	-1.49	APR 12, 1960	+3.34	SEP 22, 1961	-8.18
10	+0.10	JAN 07, 1960	-0.58	18	+3.25	OCT 30	-4.68
16	+1.50	FEB 03	+1.75	NOV 17	-1.25	NOV 13	-3.93
17	+1.16	MAR 05	+2.76	DEC 12	-0.03	DEC 11	-6.04
24	+1.43	APR 09	+3.18	FEB 28, 1961	+0.53	MAR 14, 1962	-1.47

(C-15- 5)26BAA- 1 -- CONTINUED

APR 12, 1962	-1.26	MAR 05, 1969	-10.23	NOV 23, 1974	-7.49	MAR 01, 1978	-15.89
NOV 29	-5.76	MAR 02, 1970	-6.93	30	-6.84	MAR 05, 1979	-15.77
MAR 01, 1963	-2.39	MAR 02, 1971	-5.44	DEC 07	-6.73	AUG 30	-144.23 P
SEP 25	-16.64	MAR 01, 1972	-3.74	14	-6.54	SEP 14	-71.08 R
OCT 29	-11.05	MAR 01, 1973	-11.54	16	-6.38	SEP 03, 1980	-13.84
DEC 19	-7.44	MAR 04, 1974	-5.79	21	-6.61	OCT 23	-12.64
JAN 29, 1964	-5.80	AUG 21	-8.28	28	-6.84	JAN 08, 1981	-10.75
MAR 01	-4.80	SEP 08	-8.26	31	-6.97	MAR 25	-11.23 T
MAR 01, 1965	-6.33	09	-8.30	MAR 07, 1975	-5.44	MAY 20	-10.18
JAN 09, 1966	-8.82	10	-8.31	AUG 27	-11.48	JUN 20	-9.90
MAR 01	-6.81	OCT 28	-7.43	MAR 01, 1976	-6.12	SEP 14	-9.63
MAR 01, 1967	-8.46	NOV 04	-7.84	AUG 30	-13.01	MAR 03, 1982	-7.96
MAR 01, 1968	-11.66	09	-7.13	MAR 01, 1977	-8.10		

(C-15- 5)26BAA-2 ALT. 4679

OCT 23, 1980	-1.64	MAY 20, 1981	-1.62	SEP 14, 1981	-3.29
MAR 25, 1981	-0.64	JUN 30	-2.09	MAR 03, 1982	-1.48

(C-15- 5)26BAA- 3 ALT. 4679

DEC 29, 1980	-4.71	MAR 25, 1981	-4.20	JUN 30, 1981	-3.42
JAN 08, 1981	-4.48	MAY 20	-4.05	MAR 03, 1982	-3.20

(C-15- 5)27DCC-2 ALT. 4678.8

OCT 23, 1980	-2.55	JAN 08, 1981	-1.80	JUN 30, 1981	-1.82
NOV 25	-2.32	MAR 25	-1.39	SEP 14	-2.19
DEC 29	-1.98	MAY 20	-1.58	MAR 03, 1982	-1.15

(C-15- 5)33DCB- 1 ALT. 4670.7

JUL 12, 1961	-12.32	NOV 24, 1961	-115.35 R	APR 26, 1963	-115.43 R	NOV 30, 1974	-5.68
SEP 14	-32.42	25	-115.52 R	MAY 17	-115.62 R	DEC 07	-5.64
16	-29.92	26	-115.82 R	AUG 19	-130.13 R	14	-5.62
18	-22.94	27	-115.98 R	SEP 03	-40.95	16	-5.43
19	-21.27	28	-114.93 R	25	-18.20	21	-5.35
20	-19.46	29	-114.29 R	OCT 31	-9.79	28	-4.77
22	-17.12	30	-32.60	DEC 19	-5.10	31	-4.75
26	-113.73 R	DEC 01	-19.90	JAN 29, 1964	-3.00	JAN 01, 1975	-4.63
27	-24.94	02	-15.60	MAR 01	-3.40	02	-4.63
OCT 02	-11.80	03	-11.79	04	-100.01 R	03	-4.86
04	-8.53	04	-9.42	DEC 17	-7.25	04	-4.87
07	-7.04	05	-7.02	MAR 11, 1965	-106.03 R	05	-4.88
18	-4.37	06	-6.19	JUN 14	-116.70 R	06	-4.96
23	-3.53	07	-5.13	MAR 01, 1966	-3.88	07	-5.01
27	-2.93	08	-4.25	MAR 01, 1967	-5.45	08	-4.91
30	-2.67	09	-3.45	MAR 01, 1968	-8.77	MAR 07, 1977	-4.35
NOV 03	-2.22	11	-2.51	MAR 05, 1969	-7.15	MAR 01, 1978	-14.02
04	-2.20	MAR 14, 1962	-0.73	MAR 02, 1970	-4.50	MAR 05, 1979	-15.41
05	-2.11	APR 12	-0.33	MAR 01, 1973	-9.13	AUG 30	-190.67 P
13	-62.20 R	MAY 02	-113.39 R	MAR 04, 1974	-4.07	SEP 14	-84.56 R
14	-92.60 R	18	-123.93 R	AUG 21	-7.48	NOV 14	-36.37
15	-103.15 R	JUN 21	-125.37 R	SEP 08	-7.56	MAR 03, 1980	-20.36
16	-108.95 R	JUL 19	-126.73 R	09	-7.54	AUG 26	-13.17
17	-112.72 R	AUG 21	-126.94 R	10	-7.54	NOV 25	-11.67
18	-112.78 R	SEP 10	-30.27	11	-7.53	JAN 08, 1981	-8.34
19	-113.37 R	21	-19.44	OCT 28	-6.52	MAR 25	-10.78 T
20	-113.68 R	NOV 01	-6.93	NOV 04	-6.18	MAY 20	-9.64
21	-114.19 R	29	-3.62	09	-6.10	JUN 30	-9.43
22	-115.02 R	MAR 01, 1963	-1.50	16	-6.06	SEP 14	-9.77
23	-115.30 R	22	-114.97 R	23	-6.02	MAR 03, 1982	-7.41

(C-15- 5)33DCB-2 ALT. 4671

NOV 25, 1980	-0.98	JAN 08, 1981	-0.46	MAY 20, 1981	+0.13 T	SEP 14, 1981	-1.65
DEC 29	-0.85	MAR 25	+0.16	JUN 30	-0.07	MAR 03, 1982	-0.54

(C-15- 6)19CAC- 1 ALT. 4670.3

APR 13, 1962	-34.77	AUG 14, 1963	-38.77	AUG 25, 1967	-41.06	AUG 31, 1976	-40.62
MAY 23	-35.15	SEP 24	-39.18	MAR 04, 1968	-38.70	MAR 03, 1977	-38.70
JUN 28	-36.18	OCT 03	-39.13	MAR 08, 1969	-38.54	AUG 29	-43.09
JUL 02	-36.27	29	-38.71	MAR 02, 1970	-37.87	MAR 01, 1978	-39.98
AUG 28	-38.12	DEC 16	-37.56	MAR 05, 1971	-37.46	MAR 06, 1979	-40.33
OCT 17	-38.17	JAN 29, 1964	-36.84	AUG 25	-38.89	SEP 13	-44.55
NOV 09	-37.76	MAR 04	-36.39	MAR 02, 1972	-37.27	MAR 03, 1980	-41.23
DEC 21	-36.84	AUG 29	-39.40	MAR 05, 1973	-39.15	SEP 16, 1981	-40.18
MAR 08, 1963	-35.88	MAR 05, 1965	-36.93	MAR 06, 1974	-38.37	MAR 11, 1982	-38.91
APR 23	-36.27	AUG 24	-39.93	MAR 05, 1975	-37.99		
MAY 20	-36.69	MAR 06, 1966	-37.19	AUG 25	-39.89		
JUN 18	-37.58	MAR 02, 1967	-37.76	MAR 03, 1976	-37.75		

(C-15- 6)31CCC- 1 ALT. 4626

NOV 15, 1961	+2.73	AUG 25, 1967	-4.39	SEP 13, 1973	-0.90	MAR 01, 1978	-0.13
AUG 28, 1962	-0.37	MAR 04, 1968	+0.46	MAR 06, 1974	+1.36	AUG 30	-5.62
MAR 08, 1963	+2.80	MAR 08, 1969	+0.67	AUG 26	-1.54	MAR 06, 1979	-0.35
MAR 04, 1964	+2.92	MAR 02, 1970	+1.55	MAR 05, 1975	+1.70	AUG 29	-8.17
MAR 05, 1965	+2.15	MAR 05, 1971	+2.02	AUG 25	-1.18	MAR 04, 1980	-1.51
AUG 24	-2.31	AUG 25	-0.65	MAR 03, 1976	+1.57	SEP 04	-3.47
MAR 06, 1966	+1.99	MAR 02, 1972	+2.15	AUG 31	-0.21	MAR 02, 1981	+1.06
AUG 23	-2.88	SEP 12	-4.13	MAR 03, 1977	+1.13	SEP 16	-0.86
MAR 02, 1967	+1.25	MAR 05, 1973	+0.95	AUG 29	-5.74	MAR 05, 1982	+1.09

(C-15- 7)17DAD- 1 ALT. 4588.1

MAR 24, 1937	+3.42	DEC 05, 1949	+2.80	AUG 14, 1963	-1.90	MAR 04, 1975	-3.96
MAY 18	+3.44	DEC 04, 1950	+2.83	SEP 26	-2.30	AUG 25	-6.77
AUG 25	+3.03	DEC 04, 1951	+2.63	OCT 29	-2.43	MAR 02, 1976	-3.37
OCT 04	+3.03	MAR 25, 1953	+3.00	DEC 16	-2.34	AUG 31	-10.39
NOV 29	+2.89	DEC 02	+2.00	MAR 08, 1964	-1.63	MAR 03, 1977	-3.91
FEB 15, 1938	+3.12	APR 07, 1954	+2.70	MAY 01	-1.28	AUG 29	-8.42
APR 23	+3.24	NOV 30	+1.60	28	-1.26	MAR 01, 1978	-4.37
JUN 30	+3.22	APR 14, 1955	+2.02	JUL 31	-2.14	AUG 30	-8.33
AUG 31	+3.06	NOV 29	+1.38	AUG 24	-3.67	MAR 06, 1979	-4.43
OCT 26	+2.90	OCT 09, 1956	+0.83	SEP 28	-3.91	JUL 26	-6.77
DEC 15	+3.00	DEC 03, 1957	+0.90	DEC 16	-3.96	AUG 24	-8.36
APR 20, 1939	+3.08	DEC 10, 1958	+0.89	FEB 27, 1965	-2.56	OCT 23	-8.25
AUG 11	+2.87	DEC 01, 1959	+0.80	MAR 06	-2.57	NOV 20	-7.25
DEC 20	+2.75	MAR 07, 1960	+1.31	JUN 17	-2.54	DEC 18	-6.51
APR 29, 1940	+3.02	DEC 14	+0.47	JUL 27	-4.29	JAN 21, 1980	-5.79
DEC 11	+2.56	MAR 20, 1961	+1.06	AUG 24	-5.19	FEB 11	-5.38
MAR 26, 1941	+2.70	SEP 11	+0.07	JAN 07, 1966	-3.71	MAR 06	-4.94
NOV 27	+2.42	JAN 02, 1962	+0.03	MAR 05	-2.74	31	-4.68
JUL 21, 1942	+2.54	MAR 26	+0.43	AUG 24	-5.50	MAY 19	-4.34
NOV 11	+2.20	MAY 07	+0.33	MAR 01, 1967	-3.31	JUN 17	-4.24
DEC 02	+2.10	23	+0.26	AUG 25	-8.86	JUL 22	-4.40
FEB 22, 1943	+2.44	JUN 22	-0.38	MAR 03, 1968	-4.63	AUG 27	-4.51
MAR 15	+2.41	JUL 02	-0.64	AUG 21	-10.26	SEP 25	-4.58
OCT 06	+2.60	AUG 24	-2.99	MAR 07, 1969	-4.33	OCT 23	-4.57
DEC 01	+2.30	SEP 11	-3.45	AUG 25	-7.99	NOV 26	-4.33
MAR 08, 1944	+2.72	24	-3.80	MAR 05, 1970	-3.64	DEC 30	-4.06
NOV 23	+2.15	OCT 17	-4.15	AUG 24	-7.95	FEB 01, 1981	-3.78
MAR 26, 1945	+2.27	NOV 09	-3.81	MAR 05, 1971	-2.88	26	-3.53
NOV 28	+2.62	27	-3.37	AUG 25	-7.20	MAR 10	-3.53
MAR 12, 1946	+2.40	DEC 21	-2.93	MAR 01, 1972	-3.05	APR 23	-3.24
DEC 05	+2.40	MAR 05, 1963	-1.82	SEP 11	-6.15	MAY 21	-3.07
MAR 17, 1947	+2.65	APR 23	-1.31	MAR 05, 1973	-3.49	JUN 30	-3.10
MAR 08, 1948	+2.77	MAY 20	-1.21	SEP 13	-7.13	SEP 16	-3.49
NOV 30	+2.65	JUN 27	-1.34	MAR 06, 1974	-3.29	MAR 02, 1982	-2.85
MAR 29, 1949	+2.78	JUL 25	-1.64	AUG 26	-10.54		

(C-15- 7)18DCC- 1 ALT. 4574

SEP 13, 1961	+1.20	MAR 02, 1967	-0.32	MAR 02, 1972	+0.21	AUG 24, 1979	-2.32
MAR 05, 1963	+0.50	AUG 25	-11.64	MAR 05, 1973	+0.07	MAR 06, 1980	-0.70
MAR 09, 1964	-0.28	MAR 03, 1968	-1.35	MAR 06, 1974	+0.20	SEP 04	-0.61
AUG 24	+0.17	AUG 21	-5.25	MAR 05, 1975	-0.22	MAR 10, 1981	+0.28
MAR 06, 1965	+0.01	MAR 07, 1969	-1.08	MAR 02, 1976	+0.28	SEP 16	+0.21
AUG 24	-4.22	AUG 25	-3.91	MAR 03, 1977	+0.11		
MAR 05, 1966	+0.05	MAR 05, 1970	-0.42	MAR 01, 1978	+0.25		
AUG 24	-2.08	AUG 24	-3.75	MAR 07, 1979	-0.28		

(C-15- 7)21BCC- 1 ALT. 4580.5

MAY 22, 1963	-0.96	MAR 05, 1966	-2.13	MAR 05, 1970	-3.20	MAR 04, 1975	-3.59
MAR 09, 1964	-1.17	MAR 02, 1967	-2.21	MAR 05, 1971	-2.98	MAR 02, 1976	-3.03
AUG 24	-2.00	AUG 25	-7.37	MAR 02, 1972	-3.05		
MAR 06, 1965	-1.67	MAR 03, 1968	-3.20	MAR 06, 1973	-2.84		
AUG 24	-4.43	MAR 07, 1969	-3.82	MAR 06, 1974	-2.94		

(C-15- 7)23BAC-1 ALT. 4630

AUG 15, 1978	-14.96	MAY 20, 1979	-12.79	FEB 25, 1980	-13.90	NOV 30, 1980	-12.54
20	-15.00	25	-12.86	29	-13.82	DEC 05	-12.50
25	-15.01	31	-12.96	MAR 05	-13.71	10	-12.47
31	-15.00	JUN 05	-13.03	10	-13.65	15	-12.41
SEP 05	-15.00	10	-13.20	15	-13.56	20	-12.28
10	-14.98	15	-13.25	20	-13.54	25	-12.26
15	-15.02	20	-13.42	25	-13.50	31	-12.17
20	-15.00	25	-13.55	31	-13.39	JAN 05, 1981	-12.12
25	-14.96	30	-13.66	APR 05	-13.37	10	-12.11
30	-14.94	JUL 05	-13.80	10	-13.36	15	-12.02
OCT 05	-14.91	10	-13.95	15	-13.36	20	-12.01
10	-14.92	15	-14.07	20	-13.35	25	-11.94
15	-14.87	20	-14.20	25	-13.34	31	-11.88
20	-14.82	25	-14.28	30	-13.34	FEB 05	-11.85
25	-14.79	31	-14.37	MAY 05	-13.34	10	-11.77
31	-14.76	AUG 05	-14.46	10	-13.34	15	-11.81
NOV 05	-14.72	10	-14.55	15	-13.33	20	-11.75
10	-14.59	15	-14.62	20	-13.13	25	-11.67
15	-14.57	20	-14.85	25	-13.08	28	-11.71
20	-14.54	25	-15.05	31	-13.08	MAR 05	-11.64
25	-14.44	31	-15.20	JUN 05	-13.09	10	-11.69
30	-14.25	SEP 05	-15.32	10	-13.08	15	-11.63
DEC 05	-14.25	10	-15.41	15	-13.13	APR 05	-11.67
10	-14.20	15	-15.56	20	-13.13	10	-11.66
15	-14.21	20	-15.64	25	-13.14	15	-11.71
20	-14.07	25	-15.75	30	-13.17	20	-11.69
25	-14.07	30	-15.82	JUL 05	-13.21	25	-11.69
31	-13.98	OCT 05	-15.87	10	-13.26	30	-11.71
JAN 05, 1979	-13.94	10	-15.90	15	-13.30	MAY 05	-11.69
10	-13.87	15	-15.87	20	-13.35	10	-11.68
15	-13.75	20	-15.75	25	-13.40	15	-11.61
20	-13.72	25	-15.77	31	-13.44	20	-11.66
25	-13.64	31	-15.75	AUG 05	-13.41	25	-11.71
31	-13.63	NOV 05	-15.75	10	-13.41	31	-11.70
FEB 05	-13.61	10	-15.66	15	-13.40	JUN 05	-11.73
10	-13.58	15	-15.64	20	-13.40	10	-11.73
15	-13.44	20	-15.51	25	-13.40	15	-11.83
20	-13.43	25	-15.39	31	-13.40	20	-11.83
25	-13.35	30	-15.43	SEP 05	-13.39	25	-11.89
28	-13.31	DEC 05	-15.32	10	-13.31	30	-11.94
MAR 05	-13.26	10	-15.20	15	-13.30	JUL 05	-12.00
10	-13.16	15	-15.17	20	-13.25	10	-12.04
15	-13.05	20	-15.04	25	-13.25	15	-12.08
20	-13.05	25	-15.00	30	-13.25	20	-12.12
25	-13.03	31	-14.87	OCT 05	-13.21	25	-12.13
31	-12.96	JAN 05, 1980	-14.72	10	-13.11	31	-12.18
APR 05	-12.91	10	-14.62	15	-13.06	AUG 05	-12.22
10	-12.79	15	-14.61	20	-13.12	10	-12.25
15	-12.73	20	-14.56	25	-13.00	15	-12.26
20	-12.76	25	-14.38	31	-13.00	20	-12.26
25	-12.75	31	-14.36	NOV 05	-12.95	25	-12.27
30	-12.72	FEB 05	-14.25	10	-12.85	31	-12.28
MAY 05	-12.70	10	-14.15	15	-12.82		
10	-12.75	15	-14.01	20	-12.77		
15	-12.77	20	-13.91	25	-12.66		

(C-15- 7)31CDD- 1 ALT. 4577

SEP 15, 1961	+0.40	MAR 04, 1968	-4.60	MAR 02, 1972	-1.81	MAR 03, 1976	-2.69
MAR 07, 1963	-1.16	AUG 21	-7.81	SEP 12	-3.83	AUG 31	-6.35
MAR 09, 1964	-1.35	MAR 08, 1969	-4.11	MAR 06, 1973	-2.73	MAR 03, 1977	-3.57
AUG 24	-2.05	AUG 21	-6.30	SEP 13	-4.92	AUG 30	-6.10
MAR 06, 1965	-2.51	MAR 05, 1970	-2.89	MAR 06, 1974	-2.24	MAR 01, 1978	-4.43
AUG 25	-4.40	AUG 24	-5.24	AUG 27	-6.82	AUG 31	-6.61
MAR 03, 1966	-2.99	MAR 05, 1971	-2.29	MAR 05, 1975	-3.18	MAR 05, 1979	-4.80
MAR 02, 1967	-3.37	AUG 25	-4.87	AUG 26	-4.02	JUN 20	-4.13

(C-15- 7)31CDD- 1 -- CONTINUED

AUG 29, 1979	-5.99	JUN 20, 1980	-4.13	AUG 29, 1980	-5.99	SEP 16, 1981	-2.36
MAR 06, 1980	-4.77	AUG 27	-3.74	MAR 11, 1981	-3.12	MAR 06, 1982	-2.21

(C-15- 7)32DCD-1 ALT. 4582

JUN 26, 1980	-6.70	OCT 23, 1980	-6.88	FEB 26, 1981	-6.81	JUN 30, 1981	-5.50
JUL 23	-6.26	NOV 25	-6.98	MAR 12	-6.84	SEP 16	-5.83
AUG 26	-7.14	DEC 29	-7.05	APR 23	-6.86	MAR 06, 1982	-7.09
SEP 25	-6.62	JAN 30, 1981	-6.84	MAY 21	-4.18		

(C-15- 7)33BAC- 1 ALT. 4582

AUG 13, 1953	+3.80	MAR 04, 1968	+1.29	MAR 06, 1973	+1.94	AUG 31, 1978	-4.66
NOV 10	+3.85	AUG 21	-10.17	SEP 13	-2.98	MAR 06, 1979	+0.94
SEP 25, 1961	+2.90	MAR 07, 1969	+0.90	MAR 06, 1974	+1.54	MAR 06, 1980	+0.71
MAR 05, 1963	+2.80	AUG 26	-7.30	AUG 27	-7.82	AUG 27	-0.20
MAR 09, 1964	+2.44	MAR 05, 1970	+1.38	MAR 04, 1975	+3.70	MAR 10, 1981	+1.30
MAR 06, 1965	+2.28	AUG 27	-5.50	AUG 26	-5.52	SEP 16	+0.81
AUG 24	-4.66	MAR 05, 1971	+2.32	AUG 31, 1976	-7.34	MAR 06, 1982	+1.51
MAR 05, 1966	+1.77	AUG 25	-6.30	MAR 03, 1977	-0.11		
MAR 02, 1967	+1.39	MAR 01, 1972	+1.87	AUG 30	-5.86		
AUG 25	-10.17	SEP 12	-4.16	MAR 01, 1978	+1.43		

(C-15- 8)25AAA- 1 ALT. 4571

NOV 29, 1955	+10.00	DEC 21, 1962	+4.42	JUL 27, 1965	+3.65	MAR 05, 1975	+3.10
OCT 09, 1956	+8.90	MAR 05, 1963	+4.62	AUG 25	+3.69	AUG 26	+3.21
DEC 03, 1957	+8.00	APR 23	+4.87	MAR 03, 1966	+2.89	MAR 03, 1976	+3.87
DEC 10, 1958	+7.70	MAY 20	+5.43	AUG 24	+2.66	AUG 31	-0.64
DEC 01, 1959	+8.30	JUN 27	+5.21	MAR 02, 1967	+2.82	MAR 03, 1977	+2.86
MAR 07, 1960	+9.20	AUG 15	+4.39	MAR 04, 1968	+1.42	AUG 30	+1.54
DEC 14	+9.90	SEP 25	+3.96	MAR 07, 1969	+1.30	MAR 01, 1978	+3.05
MAR 20, 1961	+8.20	OCT 29	+3.80	AUG 25	+1.00	AUG 30	+1.16
SEP 13	+7.40	DEC 16	+3.78	MAR 05, 1970	+2.90	MAR 06, 1979	+3.13
MAR 26, 1962	+7.60	JAN 29, 1964	+3.79	AUG 24	+0.55	JUN 20	+2.91
MAY 23	+7.20	MAR 09	+4.03	MAR 05, 1971	+2.68	AUG 29	+2.49
JUN 28	+6.65	MAY 01	+4.30	AUG 25	+1.64	MAR 06, 1980	+2.45
AUG 27	+4.55	28	+4.93	MAR 01, 1972	+3.11	AUG 27	+3.14
SEP 11	+4.35	JUL 31	+5.16	SEP 12	+2.41	29	+2.44
24	+4.05	AUG 24	+4.42	MAR 05, 1973	+2.84	MAR 10, 1981	+4.04
NOV 09	+4.47	MAR 06, 1965	+4.33	SEP 13	+0.57	SEP 16	+3.25
27	+4.39	JUN 17	+3.93	MAR 06, 1974	+3.21		

(C-15- 8)34ADD- 1 ALT. 4572

SEP 12, 1961	+1.74	AUG 21, 1968	-6.06	SEP 13, 1973	-3.49	MAR 05, 1979	-5.30
MAR 06, 1963	-0.55	MAR 07, 1969	-6.16	AUG 27, 1974	-6.25	JUN 20	-4.67
AUG 24, 1964	-1.06	AUG 21	-5.16	MAR 05, 1975	-4.45	AUG 29	-5.09
MAR 06, 1965	-2.40	MAR 05, 1970	-4.66	AUG 26	-3.81	MAR 06, 1980	-5.39
AUG 25	-2.84	AUG 27	-4.75	MAR 02, 1976	-4.02	AUG 27	-4.77
MAR 03, 1966	-3.62	MAR 05, 1971	-4.21	AUG 31	-4.25	MAR 11, 1981	-4.00 R
AUG 24	-3.71	AUG 25	-3.63	MAR 03, 1977	-4.70	SEP 16	-3.48
MAR 02, 1967	-4.55	MAR 01, 1972	-3.25	AUG 30	-4.27	MAR 03, 1982	-2.89
AUG 24	-4.86	SEP 12	-3.66	MAR 01, 1978	-5.44		
MAR 04, 1968	-5.99	MAR 06, 1973	-4.92	AUG 31	-5.60		

(C-16- 4)18BDA- 1 ALT. 4818

NOV 03, 1959	-64.25	DEC 22, 1959	-64.12	FEB 28, 1961	-67.52	JAN 29, 1964	-74.17
10	-64.26	24	-64.00	MAR 20	-67.43	MAR 01	-74.04
16	-64.25	29	-64.10	NOV 14	-71.61	MAR 01, 1965	-75.73
23	-64.21	JAN 07, 1960	-64.06	MAR 14, 1962	-71.54	MAR 01, 1966	-77.10
25	-64.11	FEB 03	-64.22	APR 12	-70.71	MAR 01, 1967	-78.45
28	-64.14	MAR 05	-64.29	MAY 02	-70.60	MAR 01, 1968	-80.27
30	-64.15	27	-64.29	18	-70.53	MAR 05, 1969	-81.90
DEC 03	-64.08	APR 05	-64.38	JUN 21	-73.08	MAR 02, 1970	-80.88
08	-64.08	SEP 12	-70.30	NOV 01	-72.01	MAR 02, 1971	-78.64
11	-64.12	OCT 03	-70.41	29	-71.55	AUG 23	-74.64
15	-64.17	04	-69.98	MAR 01, 1963	-71.35	MAR 01, 1972	-76.15
18	-64.15	NOV 17	-68.04	OCT 28	-76.05	MAR 01, 1973	-78.79
21	-64.00	DEC 12	-67.76	DEC 19	-74.32	SEP 14	-78.10

(C-16- 4)18BDA- 1 -- CONTINUED

MAR 04, 1974	-76.73	MAR 01, 1976	-71.11	MAR 03, 1980	-81.78	SEP 14, 1981	-77.17
AUG 29	-73.43	MAR 01, 1977	-75.41	AUG 27	-77.13	MAR 03, 1982	-73.64
MAR 06, 1975	-72.73	MAR 01, 1978	-80.23	DEC 18	-76.43		
20	-72.66	MAR 05, 1979	-82.06	JAN 07, 1981	-76.86		
AUG 27	-67.94	AUG 23	-82.85	MAR 11	-77.18		

(C-16- 4)19DBD- 1 ALT. 4907

NOV 10, 1959	-152.70	FEB 03, 1960	-153.23	JUL 19, 1962	-161.09	MAR 02, 1970	-161.88
16	-152.80	MAR 05	-153.35	AUG 21	-164.48	MAR 02, 1971	-161.80
23	-152.81	27	-153.34	SEP 21	-157.92	AUG 23	-162.78
25	-152.65	APR 05	-153.51	NOV 01	-157.60	MAR 01, 1972	-160.26
28	-152.76	JUN 13	-159.23	29	-157.36	MAR 01, 1973	-165.07
30	-152.81	SEP 12	-156.50	MAR 01, 1963	-157.52	MAR 04, 1974	-158.63
DEC 03	-152.69	NOV 17	-156.51	OCT 28	-160.52	MAR 06, 1975	-159.30
08	-152.72	DEC 12	-156.66	DEC 19	-160.73	MAR 01, 1976	-157.25
11	-152.85	FEB 28, 1961	-158.00	MAR 01, 1964	-161.19	MAR 01, 1977	-161.76
15	-152.86	MAR 20	-157.08	AUG 26	-162.48	MAR 01, 1978	-169.24
18	-152.89	MAY 09	-157.56	MAR 01, 1965	-162.60	AUG 30	-174.26
21	-152.68	NOV 14	-159.97	AUG 23	-163.35	MAR 05, 1979	-167.53
22	-152.88	MAR 14, 1962	-160.73	MAR 01, 1966	-161.66	MAR 03, 1980	-167.57
24	-152.73	APR 12	-160.83	MAR 01, 1967	-164.12	SEP 03	-164.92
29	-152.25	MAY 18	-160.64	MAR 01, 1968	-165.42	MAR 11, 1981	-157.65
JAN 07, 1960	-152.85	JUN 21	-159.68	MAR 05, 1969	-164.94		

(C-16- 4)30DDB- 1 ALT. 4985

JUN 19, 1957	-224.60	DEC 19, 1963	-231.24	JAN 15, 1981	-220.74	MAY 20, 1981	-229.13
MAR 26, 1958	-222.10	JAN 29, 1964	-231.86	20	-220.95	25	-230.64
DEC 09	-220.65	MAR 01	-232.11	25	-221.10	31	-230.35
MAR 23, 1959	-219.82	MAY 01	-232.57	31	-221.30	JUN 05	-229.77
NOV 03	-223.57	28	-232.87	FEB 05	-221.65	10	-229.67
15	-223.80	DEC 14	-232.20	10	-221.64	15	-231.20
DEC 03	-223.66	MAR 01, 1965	-231.45	15	-221.98	20	-233.00
15	-223.94	JUN 14	-228.84	20	-221.90	25	-233.68
JAN 07, 1960	-224.00	MAR 01, 1966	-230.18	25	-222.07	JUL 05	-233.00
FEB 03	-224.58	MAR 01, 1967	-233.78	28	-222.23	10	-234.72
MAR 05	-224.96	MAR 01, 1968	-234.90	MAR 05	-222.25	15	-235.93
27	-225.02	MAR 05, 1969	-232.32	10	-222.48	20	-236.39
APR 05	-225.21	MAR 02, 1970	-228.74	15	-222.60	25	-236.93
NOV 17	-227.76	MAR 02, 1971	-228.60	20	-222.38	31	-236.91
DEC 12	-228.05	MAR 01, 1972	-230.28	21	-222.52	AUG 05	-237.62
FEB 28, 1961	-228.87	MAR 01, 1973	-234.47	23	-222.45	10	-237.19
MAR 20	-228.90	MAR 04, 1974	-226.21	25	-222.65	15	-237.81
NOV 14	-231.35	MAR 06, 1975	-228.22	31	-222.65	20	-237.86
MAR 14, 1962	-232.19	MAR 01, 1976	-227.52	APR 05	-222.87	25	-238.20
APR 12	-231.40	MAR 01, 1977	-231.13	10	-222.71	31	-238.37
MAY 18	-228.46	MAR 01, 1978	-244.30	15	-222.94	SEP 05	-237.58
JUN 21	-226.16	MAR 05, 1979	-240.01	20	-223.08	10	-235.26
SEP 21	-231.27	JUN 21	-240.09	25	-223.05	14	-233.72
NOV 01	-227.02	MAR 03, 1980	-243.17	30	-223.23	MAR 03, 1982	-226.16
29	-226.16	11	-239.62	MAY 05	-225.24		
MAR 01, 1963	-227.27	AUG 27	-223.74	10	-226.44		
OCT 28	-234.26	JAN 10, 1981	-220.67	15	-227.82		

(C-16- 4)31BCA- 1 ALT. 4980

MAR 20, 1975	-215.91	MAR 01, 1977	-220.92	MAR 05, 1979	-227.00	MAR 23, 1981	-211.74
MAR 01, 1976	-213.64	MAR 01, 1978	-231.45	JUN 21	-225.35	MAR 03, 1982	-216.91

(C-16- 5)18CAA- 1 ALT. 4669.1

JUN 19, 1961	-23.12	NOV 30, 1962	-9.89	DEC 17, 1964	-13.29	MAR 01, 1973	-13.85
AUG 07	-26.65	DEC 29	-7.70	MAR 01, 1965	-8.59	MAR 04, 1974	-8.66
SEP 29	-18.21	JAN 24, 1963	-6.28	JAN 09, 1966	-11.63	AUG 21	-13.46
OCT 30	-12.33	FEB 28	-5.44	MAR 01	-9.03	SEP 08	-13.49
NOV 15	-8.00	MAR 01	-4.87	MAR 01, 1967	-10.69	09	-13.48
30	-10.51	SEP 25	-26.85	MAR 01, 1968	-14.79	10	-13.47
DEC 11	-8.81	OCT 31	-17.18	MAR 05, 1969	-12.39	11	-13.47
SEP 10, 1962	-41.73	DEC 19	-11.38	MAR 02, 1970	-8.79	OCT 28	-11.62
21	-28.41	JAN 29, 1964	-8.76	MAR 02, 1971	-7.10	NOV 04	-11.43
NOV 01	-14.00	MAR 01	-7.22	MAR 01, 1972	-6.32	09	-11.20

(C-16- 5)18CAA- 1 -- CONTINUED

NOV 16, 1974	-11.12	DEC 31, 1974	-8.01	JAN 08, 1975	-8.11	NOV 14, 1979	-49.82
23	-10.79	JAN 01, 1975	-8.36	MAR 20	-7.42	MAR 03, 1980	-24.83
30	-10.45	02	-8.34	MAR 01, 1976	-8.94	JUN 26	-18.48
DEC 07	-10.31	03	-8.35	MAR 01, 1977	-11.23	JAN 08, 1981	-14.08
14	-9.85	04	-8.25	MAR 01, 1978	-19.59	MAR 11	-14.15
16	-9.70	05	-8.25	MAR 05, 1979	-18.65	25	-13.43
21	-9.45	06	-8.06	AUG 30	-216.47 P	SEP 14	-16.46
28	-9.10	07	-8.21	SEP 14	-102.51 R	MAR 03, 1982	-11.35

(C-16- 5)19CBD- 1 ALT. 4671.7

JUL 29, 1960	-4.96	JAN 24, 1963	-9.18	MAR 02, 1971	-9.46	DEC 21, 1974	-12.66
NOV 17	-8.08	FEB 23	-7.84	MAR 01, 1973	-16.19	31	-12.26
DEC 12	-6.15	MAR 01	-7.58	MAR 04, 1974	-10.76	MAR 07, 1975	-12.35
JAN 23, 1961	-4.32	SEP 25	-30.19	AUG 21	-15.67	MAR 01, 1976	-13.07
FEB 28	-3.44	OCT 31	-20.72	SEP 08	-15.78	MAR 01, 1977	-15.57
SEP 05	-49.35	DEC 19	-14.66	09	-15.77	MAR 01, 1978	-23.42
29	-21.15	JAN 29, 1964	-11.84	10	-15.74	MAR 05, 1979	-22.04
OCT 30	-13.02	MAR 01	-10.17	11	-15.80	NOV 14	-61.25
NOV 30	-11.24	APR 30	-52.93	OCT 28	-15.40	MAR 03, 1980	-27.58
DEC 11	-10.78	DEC 17	-16.46	NOV 04	-15.16	AUG 26	-22.92
MAR 14, 1962	-5.75	MAR 01, 1965	-11.50	09	-14.91	JAN 08, 1981	-17.56
APR 12	-5.35	JAN 09, 1966	-14.73	16	-14.56	MAR 11	-16.84
SEP 10	-44.16	MAR 01	-11.93	23	-14.23	25	-16.35
21	-31.10	MAR 01, 1967	-13.66	30	-13.81	MAR 03, 1982	-15.21
NOV 01	-17.00	MAR 01, 1968	-18.00	DEC 07	-13.41		
30	-13.04	MAR 05, 1969	-14.92	14	-13.08		
DEC 29	-10.68	MAR 02, 1970	-11.22	16	-13.00		

(C-16- 6) 7DBC- 1 ALT. 4620

MAR 20, 1963	+1.32	AUG 21, 1968	-1.34	SEP 13, 1973	-0.34	AUG 30, 1978	-2.53
AUG 15	+0.02	MAR 08, 1969	+0.72	MAR 06, 1974	+1.26	MAR 06, 1979	+1.05
MAR 07, 1964	+1.56	AUG 26	-0.76	AUG 26	-0.54	JUN 20	-0.95
MAR 05, 1965	+1.27	MAR 05, 1970	+0.94	MAR 20, 1975	+1.25	AUG 28	-3.54
AUG 25	-0.44	AUG 21	-0.26	AUG 25	-0.12	MAR 04, 1980	-0.49
MAR 07, 1966	+1.40	MAR 05, 1971	+1.53	MAR 03, 1976	+1.28	AUG 27	-1.58
AUG 23	-0.92	AUG 25	-0.02	AUG 31	-0.45	MAR 02, 1981	+0.56
MAR 03, 1967	+1.09	MAR 02, 1972	+1.69	MAR 03, 1977	+0.83	SEP 16	-0.71
AUG 25	-1.51	SEP 12	-1.13	AUG 29	-1.89	MAR 11, 1982	+1.01
MAR 04, 1968	+0.71	MAR 06, 1973	+1.14	MAR 02, 1978	+0.57		

(C-16- 7) 1DCD- 1 ALT. 4608

OCT 18, 1935	+4.25	OCT 26, 1938	+4.40	MAR 05, 1965	+3.71	MAR 05, 1975	+4.66
NOV 29	+4.38	DEC 14	+5.60	AUG 25	+2.07	AUG 25	+2.54
FEB 05, 1936	+4.67	FEB 23, 1939	+4.80	MAR 07, 1966	+3.99	MAR 03, 1976	+5.16
APR 15	+4.61	APR 20	+4.75	MAR 03, 1967	+0.11	AUG 31	+2.29
JUN 14	+4.55	AUG 11	+4.45	MAR 04, 1968	+3.52	MAR 03, 1977	+4.66
JUL 29	+4.44	DEC 18	+7.40	MAR 08, 1969	+2.58	AUG 29	+0.15
SEP 19	+4.37	APR 29, 1940	+4.75	AUG 26	+1.42	MAR 02, 1978	+4.64
NOV 13	+4.42	DEC 11	+6.20	MAR 05, 1970	+3.16	AUG 30	+0.63
MAR 24, 1937	+5.55	MAR 26, 1941	+8.15	AUG 28	+1.88	MAR 06, 1979	+4.73
MAY 18	+4.74	NOV 27	+5.75	MAR 05, 1971	+4.78	JUN 20	+1.41
AUG 25	+4.32	JUL 21, 1942	+5.90	AUG 25	+1.92	AUG 29	-11.07 S
OCT 04	+4.52	OCT 09, 1951	+5.00	MAR 02, 1972	+4.90	MAR 04, 1980	+3.75
NOV 29	+4.68	DEC 04	+5.50	SEP 12	+1.09	AUG 27	+2.34
FEB 15, 1938	+5.90	DEC 02, 1953	+5.40	MAR 06, 1973	+4.53	MAR 11, 1981	+4.90
APR 23	+4.55	NOV 15, 1961	+3.68	SEP 13	+2.10	SEP 17	+3.62
JUN 30	+4.50	MAR 20, 1963	+4.70	MAR 06, 1974	+3.52	MAR 05, 1982	+5.30
AUG 31	+4.22	MAR 04, 1964	+4.02	AUG 26	+1.63		

(C-16- 7) 3AAD- 1 ALT. 4592

JUL 17, 1953	+5.00	NOV 29, 1955	+5.50	OCT 07, 1958	+3.20	MAR 26, 1962	+4.40
AUG 12	+3.90	MAR 23, 1956	+5.80	DEC 09	+4.40	MAY 23	+2.90
NOV 10	+5.50	OCT 08	+3.40	MAR 26, 1959	+5.80	AUG 28	+0.42
DEC 02	+6.00	DEC 04	+4.40	DEC 01	+3.90	SEP 11	+0.75
APR 07, 1954	+6.60	MAR 21, 1957	+5.90	MAR 07, 1960	+5.40	NOV 09	+0.60
JUL 07	+4.80	JUN 17	+5.20	DEC 14	+3.70	30	+1.51
NOV 30	+5.70	DEC 03	+4.80	MAR 20, 1961	+4.00	DEC 29	+1.71
APR 13, 1955	+5.50	MAR 07, 1958	+5.80	SEP 27	+1.80	JAN 23, 1963	+1.79

(C-16- 7) 3AAD- 1 -- CONTINUED

FEB 09, 1963	+3.52	JAN 29, 1964	+1.94	JUL 28, 1965	+2.73	MAR 05, 1971	+3.82
MAR 11	+4.06	MAR 11	+3.11	AUG 24	+2.55	MAR 01, 1972	+4.80
APR 23	+4.05	MAY 01	+2.33	JAN 08, 1966	+1.51	MAR 05, 1973	+3.26
MAY 20	+2.97	28	+2.73	MAR 06	+2.49	SEP 13	+0.72
JUN 27	+1.61	JUL 31	+0.28	MAR 02, 1967	+2.12	MAR 06, 1974	+3.41
AUG 14	+0.26	AUG 24	+0.37	MAR 04, 1968	+1.78	MAR 03, 1976	+0.18
SEP 24	+0.12	SEP 28	+0.97	MAR 08, 1969	+2.10		
OCT 29	+0.31	MAR 05, 1965	+2.77	MAR 05, 1970	+2.65		
DEC 16	+1.12	JUN 17	+0.28	AUG 27	+0.98		

(C-16- 7) 4ABB- 1 ALT. 4584

OCT 18, 1935	+6.31	JUL 09, 1945	+7.90	MAY 07, 1962	+6.45	AUG 21, 1969	-4.64
NOV 29	+6.48	MAR 11, 1946	+7.80	23	+5.90	AUG 24, 1970	-2.16
FEB 05, 1936	+6.70	DEC 05	+7.50	JUN 22	+2.65	MAR 05, 1971	+5.35
APR 15	+6.72	MAR 17, 1947	+8.00	28	+2.05	AUG 25	-4.58
JUN 14	+6.80	DEC 03	+8.50	JUL 02	+1.70	MAR 01, 1972	+4.45
JUL 29	+6.56	MAR 08, 1948	+8.90	18	+0.92	SEP 12	-2.92
SEP 19	+6.35	JUL 12	+7.70	NOV 09	+1.95	MAR 06, 1973	+3.69
NOV 13	+6.37	NOV 30	+7.10	13	+1.90	SEP 13	-0.68
FEB 13, 1937	+6.75	MAR 29, 1949	+7.30	DEC 29	+3.82	MAR 06, 1974	+5.02
MAR 24	+6.98	DEC 05	+8.40	JAN 23, 1963	+4.58	AUG 27	-6.28
MAY 18	+6.94	APR 1950	+9.30	FEB 09	+5.22	MAR 04, 1975	+4.05
AUG 25	+6.40	DEC 04	+8.90	MAR 08	+5.76	AUG 26	-3.35
OCT 04	+6.24	MAR 19, 1951	+9.30	APR 23	+6.24	MAR 10, 1976	+5.08
NOV 29	+6.27	DEC 04	+9.00	MAY 20	+5.70	AUG 30	-4.44
FEB 15, 1938	+6.55	APR 02, 1952	+10.00	JUN 27	+4.04	MAR 03, 1977	+4.39
APR 23	+6.63	NOV 25	+9.30	AUG 14	+0.10	AUG 30	-4.00
JUN 30	+6.70	MAR 25, 1953	+9.00	SEP 26	+2.34	MAR 01, 1978	+2.67
AUG 31	+6.30	JUL 17	+8.70	OCT 29	+2.41	AUG 31	-3.40
OCT 26	+6.20	AUG 13	+8.30	DEC 16	+3.25	MAR 06, 1979	+3.78
DEC 15	+6.38	NOV 10	+8.30	JAN 29, 1964	+4.88	JUN 20	+1.72
FEB 23, 1939	+6.46	DEC 02	+9.00	MAR 07	+5.73	AUG 28	-4.42
APR 20	+6.50	APR 08, 1954	+9.80	MAY 01	+4.84	OCT 23	-2.92
AUG 11	+6.10	JUL 07	+8.30	28	+5.61	NOV 20	-0.06
DEC 20	+6.20	NOV 30	+8.20	JUL 31	+2.41	DEC 18	+1.22
APR 29, 1940	+6.85	APR 13, 1955	+8.50	AUG 24	+1.98	JAN 21, 1980	+2.23
DEC 11	+6.00	NOV 19	+8.00	SEP 28	-0.35	FEB 11	+2.33
MAR 26, 1941	+6.28	OCT 08, 1956	+7.30	DEC 16	+2.30	MAR 31	+3.45
NOV 27	+6.20	DEC 04	+6.70	MAR 06, 1965	+5.06	AUG 27	+1.63
MAR 12, 1942	+6.80	MAR 21, 1957	+8.00	JUN 17	+0.81	SEP 25	+2.15
JUL 21	+6.20	JUN 17	+7.20	JUL 27	-1.90	OCT 23	+2.48
DEC 02	+6.10	DEC 03	+6.80	AUG 24	-3.05	NOV 24	+3.03
FEB 22, 1943	+6.20	MAR 27, 1958	+8.00	JAN 08, 1966	+2.50	DEC 29	+3.38
MAR 15	+6.15	OCT 07	+7.20	MAR 03	+4.78	FEB 01, 1981	+3.71
OCT 06	+6.30	DEC 10	+7.50	AUG 24	-2.18	26	+3.86
DEC 01	+6.50	DEC 01, 1959	+6.40	MAR 02, 1967	+3.28	MAR 11	+3.85
MAR 08, 1944	+6.53	MAR 07, 1960	+7.90	AUG 25	-6.84	SEP 16	+3.43
JUL 29	+6.63	DEC 14	+6.80	MAR 04, 1968	+3.18	MAR 06, 1982	+4.91
NOV 23	+6.42	MAR 20, 1961	+7.10	AUG 21	-6.38		
MAR 26, 1945	+7.70	MAR 26, 1962	+7.20	MAR 08, 1969	+2.62		

(C-16- 7) 6CBC- 1 ALT. 4581

NOV 09, 1961	+0.00	MAR 03, 1966	-7.17	AUG 22, 1968	-13.55	MAR 05, 1971	-9.84
MAR 14, 1963	-2.35	AUG 25	-8.77	MAR 08, 1969	-13.64	AUG 25	-8.93
MAR 09, 1964	-3.56	MAR 02, 1967	-8.97	AUG 21	-12.92	MAR 06, 1973	-8.90
MAR 06, 1965	-5.30	AUG 24	-8.64	MAR 04, 1970	-11.21	SEP 13	-7.97
AUG 25	-7.20	MAR 04, 1968	-12.16	AUG 24	-12.19	SEP 06, 1974	-7.69

(C-16- 7) 8ABB- 1 ALT. 4589

NOV 09, 1961	-3.64	AUG 22, 1968	-8.59	SEP 13, 1973	-6.93	AUG 31, 1978	-9.83
MAR 14, 1963	-2.90	MAR 08, 1969	-7.08	MAR 06, 1974	-6.45	MAR 06, 1979	-10.22
MAR 09, 1964	-4.37	AUG 21	-11.59	AUG 27	-7.24	JUN 20	-9.05
MAR 05, 1965	-5.11	MAR 04, 1970	-6.53	MAR 05, 1975	-8.04	SEP 13	-10.18
AUG 25	-5.92	AUG 27	-7.65	AUG 26	-5.21	SEP 03, 1980	-9.25
MAR 03, 1966	-5.58	MAR 05, 1971	-5.82	MAR 03, 1976	-8.15	MAR 11, 1981	-9.24
AUG 25	-7.06	AUG 25	-5.97	AUG 31	-7.01	SEP 16	-8.05
MAR 01, 1967	-6.50	MAR 02, 1972	-5.66	MAR 03, 1977	-9.70	MAR 06, 1982	-8.05
AUG 24	-6.19	SEP 12	-6.45	AUG 30	-8.80		
MAR 04, 1968	-8.02	MAR 06, 1973	-6.71	MAR 01, 1978	-10.13		

Table 4.--Water levels in selected observation wells--Continued

(C-16- 7) 9BCC- 1 ALT. 4595

OCT 03, 1979	-18.53	SEP 03, 1980	-12.51	SEP 16, 1981	-9.58
MAR 06, 1980	-11.55	MAR 11, 1981	-8.67	MAR 06, 1982	-7.52

(C-16- 7)10BAD- 1 ALT. 4595

JAN 23, 1963	+8.80	MAR 05, 1965	+11.75	MAR 05, 1973	+6.73	JUN 20, 1979	-23.06
FEB 09	+11.65	MAR 03, 1966	+10.90	MAR 06, 1974	+8.30	OCT 23	-11.74
MAR 25	+12.30	MAR 03, 1967	+7.40	MAR 20, 1975	+11.37	NOV 20	-5.67
APR 05	+12.80	MAR 04, 1968	+5.22	MAR 03, 1976	+8.55	MAR 04, 1980	+3.98
DEC 16	+5.93	MAR 08, 1969	+6.80	MAR 03, 1977	+7.40	SEP 03	-4.07
JAN 29, 1964	+9.35	MAR 05, 1970	+8.20	MAR 01, 1978	+5.25		
MAR 10	+13.40	MAR 05, 1971	+9.20	MAR 06, 1979	+5.35		

(C-16- 7)10CDC- 1 ALT. 4604

AUG 13, 1953	-4.80	DEC 14, 1960	-3.10	MAR 10, 1964	-0.08	MAR 02, 1972	-1.80
NOV 10	-5.90	MAR 20, 1961	-4.53	MAY 28	-4.63	SEP 12	-21.69
APR 07, 1954	-8.20	MAR 26, 1962	-3.92	JUL 31	-16.05	MAR 05, 1973	-3.11
JUL 07	-4.13	JUL 02	-11.65	AUG 24	-14.91	SEP 13	-11.59
NOV 30	-5.40	AUG 24	-16.28	SEP 28	-17.31	MAR 06, 1974	-1.98
APR 14, 1955	-7.20	SEP 11	-16.26	DEC 16	-5.90	AUG 27	-20.22
NOV 29	-4.50	NOV 30	-13.22	MAR 05, 1965	-0.96	MAR 05, 1975	-1.77
MAR 23, 1956	-6.50	DEC 31	-7.11	JUN 17	-19.34	AUG 26	-18.82
JUN 05	-3.20	JAN 23, 1963	-3.06	JUL 27	-23.45	MAR 03, 1976	-1.87
OCT 09	-1.45	FEB 09	-1.23	AUG 25	-16.95	AUG 31	-17.97
DEC 04	-3.50	MAR 01	-0.10	MAR 03, 1966	-1.73	MAR 02, 1977	-2.58
MAR 20, 1957	-5.77	13	-0.05	AUG 24	-17.97	AUG 30	-24.56
MAY 06	-3.80	APR 05	-0.20	MAR 01, 1967	-3.58	MAR 01, 1978	-4.36
JUN 17	-3.90	23	-3.16	AUG 25	-28.24	AUG 31	-20.37
DEC 03	-4.30	MAY 20	-10.63	MAR 04, 1968	-5.05	MAR 06, 1979	-4.25
MAR 27, 1958	-6.80	JUN 27	-14.09	MAR 08, 1969	-3.94	AUG 30	-21.70
OCT 07	-1.62	AUG 14	-16.80	AUG 21	-17.00	MAR 04, 1980	-5.91
DEC 09	-3.73	SEP 24	-12.88	MAR 05, 1970	-2.84	AUG 27	-10.87
MAR 26, 1959	-5.80	OCT 31	-16.71	AUG 27	-14.04	MAR 11, 1981	-2.98
DEC 02	-3.82	DEC 16	-5.41	MAR 05, 1971	-1.20	SEP 16	-5.93
MAR 07, 1960	-5.13	JAN 29, 1964	-1.86	AUG 25	-15.93	MAR 06, 1982	-1.40

(C-16- 7)12DCD- 4 ALT. 4608

OCT 08, 1951	+7.50	MAR 27, 1958	+8.20	AUG 25, 1965	+1.92	MAR 02, 1978	+4.48
DEC 04	+7.60	JUL 30	+5.50	MAR 06, 1966	+4.45	MAR 06, 1979	+4.10
APR 02, 1952	+9.30	OCT 07	+5.60	MAR 03, 1967	+3.84	JUN 20	+1.66
MAR 25, 1953	+8.90	DEC 09	+6.60	MAR 04, 1968	+3.33	AUG 29	-3.62
JUL 17	+6.60	MAR 26, 1959	+7.50	MAR 08, 1969	+2.05	MAR 04, 1980	+3.31
AUG 11	+6.20	DEC 02	+6.90	MAR 05, 1970	+3.88	AUG 27	+2.23
JUL 07, 1954	+7.50	MAR 07, 1960	+7.10	MAR 05, 1971	+4.77	MAR 12, 1981	+5.26
NOV 30	+7.80	DEC 14	+7.00	MAR 02, 1972	+6.19	SEP 16	+4.11
APR 13, 1955	+8.70	MAR 20, 1961	+8.70	MAR 06, 1973	+4.67	MAR 05, 1982	+5.30
NOV 29	+7.40	MAR 26, 1962	+7.50	MAR 06, 1974	+4.64		
DEC 04, 1956	+7.20	MAR 11, 1964	+4.78	MAR 05, 1975	+5.48		
DEC 03, 1957	+6.50	MAR 05, 1965	+4.62	MAR 03, 1976	+5.50		

(C-16- 7)13CCC- 1 ALT. 4616

APR 23, 1957	+11.50	MAR 20, 1961	+13.80	AUG 21, 1968	-12.47	MAR 02, 1977	+2.16
MAY 06	+4.40	OCT 26	+3.57	MAR 08, 1969	+1.46	MAR 02, 1978	-0.60
JUN 19	+6.70	MAR 26, 1962	+10.20	MAR 05, 1970	+2.82	MAR 06, 1979	+0.08
DEC 03	+10.20	MAR 12, 1963	+5.85	AUG 28	-5.43	JUN 20	+1.66
MAR 27, 1958	+11.50	MAR 11, 1964	+5.03	MAR 05, 1971	+4.70	AUG 29	-3.62
DEC 09	+10.00	MAR 05, 1965	+4.52	MAR 02, 1972	+4.65	MAR 04, 1980	-2.99
MAR 26, 1959	+11.60	MAR 06, 1966	+3.25	MAR 06, 1973	+2.01	AUG 27	-11.99
DEC 02	+8.60	MAR 03, 1967	+2.02	MAR 06, 1974	+3.13	MAR 11, 1981	+2.32
MAR 07, 1960	+11.20	AUG 25	-14.13	MAR 05, 1975	+3.58	SEP 16	-3.21
DEC 14	+10.00	MAR 04, 1968	+0.47	MAR 03, 1976	+3.49	MAR 06, 1982	+3.31

(C-16- 7)16DDA- 1 ALT. 4612

MAR 18, 1963	-6.76	AUG 25, 1965	-21.90	AUG 25, 1967	-36.75	AUG 21, 1969	-12.67
MAR 11, 1964	-7.48	MAR 03, 1966	-9.56	MAR 04, 1968	-12.85	MAR 04, 1970	-10.49
AUG 24	-20.22	AUG 23	-23.81	AUG 21	-25.79	AUG 27	-19.95
MAR 05, 1965	-8.65	MAR 02, 1967	-11.11	MAR 08, 1969	-11.93	MAR 05, 1971	-8.86

(C-16- 7)16DDA- 1 -- CONTINUED

AUG 25, 1971	-19.91	SEP 13, 1973	-17.19	AUG 26, 1975	-23.26	AUG 30, 1977	-9.92
MAR 01, 1972	-8.26	MAR 06, 1974	-9.30	MAR 03, 1976	-9.71	MAR 01, 1978	-11.26
SEP 12	-26.99	AUG 27	-24.48	AUG 31	-22.48		
MAR 05, 1973	-10.99	MAR 04, 1975	-9.58	MAR 02, 1977	-11.07		

(C-16- 7)28BBC- 2 ALT. 4610

OCT 25, 1961	-11.50	AUG 24, 1967	-18.74	AUG 25, 1971	-17.57	AUG 26, 1975	-18.83
MAR 19, 1963	-13.06	MAR 04, 1968	-19.20	MAR 02, 1972	-16.58	MAR 03, 1976	-18.46
MAR 11, 1964	-14.82	AUG 22	-19.49	SEP 12	-18.21	AUG 31	-19.89
MAR 05, 1965	-16.19	MAR 06, 1969	-19.24	MAR 05, 1973	-18.40	MAR 02, 1977	-19.94
AUG 25	-17.23	AUG 21	-16.30	SEP 13	-18.66	AUG 30	-21.24
MAR 03, 1966	-17.05	MAR 04, 1970	-18.33	MAR 06, 1974	-17.22	MAR 01, 1978	-21.92
AUG 23	-17.92	AUG 27	-18.39	AUG 27	-18.69	AUG 31	-23.61
MAR 03, 1967	-17.88	MAR 05, 1971	-17.24	MAR 05, 1975	-18.85	AUG 30, 1979	-24.37

(C-16- 7)35ACA- 1 ALT. 4641

NOV 16, 1961	-25.77	AUG 22, 1968	-24.39	SEP 13, 1973	-32.42	AUG 30, 1978	-41.35
MAR 14, 1963	-26.00	MAR 06, 1969	-30.67	MAR 06, 1974	-29.93	MAR 06, 1979	-35.58
22	-25.66	AUG 21	-31.90	AUG 26	-34.95	AUG 29	-43.18
MAR 11, 1964	-27.62	MAR 05, 1970	-28.01	MAR 04, 1975	-31.85	MAR 04, 1980	-39.14
MAR 05, 1965	-28.29	AUG 27	-30.61	AUG 25	-33.80	AUG 27	-39.28
AUG 25	-31.82	MAR 05, 1971	-27.84	MAR 02, 1976	-31.03	MAR 11, 1981	-33.04
MAR 03, 1966	-28.65	AUG 24	-30.36	AUG 31	-35.71	SEP 16	-36.81
AUG 23	-32.54	MAR 01, 1972	-27.81	MAR 02, 1977	-32.55	MAR 06, 1982	-33.03
MAR 02, 1967	-29.52	SEP 12	-34.87	AUG 29	-39.93		
MAR 04, 1968	-31.42	MAR 02, 1973	-31.39	MAR 01, 1978	-36.17		

(C-16- 8) 2CDD- 1 ALT. 4578

MAR 14, 1963	-1.47	AUG 21, 1969	-9.96	AUG 27, 1974	-12.18	JUN 20, 1979	-8.70
MAR 09, 1964	-2.85	MAR 04, 1970	-7.41	MAR 05, 1975	-8.57	AUG 30	-11.16
MAR 07, 1965	-4.82	AUG 27	-10.67	AUG 26	-11.69	MAR 06, 1980	-9.15
AUG 25	-9.11	MAR 05, 1971	-6.70	MAR 02, 1976	-8.46	AUG 27	-8.86
MAR 04, 1966	-6.62	AUG 25	-8.25	AUG 31	-11.35	MAR 10, 1981	-6.29
AUG 25	-9.47	MAR 02, 1972	-5.41	MAR 03, 1977	-8.85	18	-6.20
MAR 02, 1967	-8.20	SEP 12	-11.04	AUG 30	-11.14	MAR 06, 1982	-4.69
AUG 24	-11.75	MAR 06, 1973	-9.64	MAR 01, 1978	-9.63		
MAR 04, 1968	-10.51	SEP 13	-13.08	31	-12.42		
MAR 07, 1969	-9.64	MAR 06, 1974	-9.94	MAR 05, 1979	-9.26		

(C-16- 8) 8DDD- 1 ALT. 4573.6

JUL 09, 1945	-3.25	AUG 24, 1965	-12.90	MAR 04, 1970	-4.90	AUG 27, 1974	-14.82
NOV 28	+1.26	MAR 04, 1966	-3.84	AUG 27	-12.73	MAR 06, 1975	-6.07
DEC 06, 1946	+4.80	AUG 25	-9.56	MAR 05, 1971	-4.41	AUG 26	-23.40
MAR 17, 1947	+5.20	MAR 01, 1967	-5.67	AUG 25	-13.18	MAR 02, 1976	-8.45
OCT 18, 1961	-1.08	AUG 24	-14.39	MAR 02, 1972	-3.46	MAR 02, 1977	-7.88
MAR 15, 1963	+1.08	MAR 05, 1968	-8.41	SEP 12	-25.95	MAR 01, 1978	-8.43
MAR 10, 1964	-0.41	AUG 26	-15.84	MAR 06, 1973	-9.51	MAR 05, 1980	-9.18
AUG 24	-5.61	MAR 07, 1969	-6.85	SEP 13	-12.14	MAR 10, 1981	-5.63
MAR 07, 1965	-1.91	AUG 20	-10.72	MAR 06, 1974	-4.88	MAR 05, 1982	-3.79

(C-16- 8)12DDD- 2 ALT. 4587

MAY 23, 1962	-13.46	APR 23, 1963	-8.86	MAR 01, 1967	-17.25	MAR 01, 1978	-19.65
JUL 18	-38.18	SEP 24	-29.79	AUG 24	-43.18	MAR 05, 1979	-16.87
AUG 27	-31.56	DEC 16	-17.20	MAR 05, 1968	-20.16	JUN 20	-23.05
SEP 11	-28.81	MAR 10, 1964	-11.29	MAR 07, 1969	-17.52	AUG 30	-25.63
24	-27.61	MAY 01	-12.63	MAR 04, 1970	-15.37	OCT 23	-24.96
OCT 17	-22.31	28	-15.55	MAR 05, 1971	-14.20	MAR 11, 1980	-18.54
NOV 05	-18.96	JUL 31	-37.40	MAR 02, 1972	-12.83	AUG 27	-18.83
30	-15.69	AUG 24	-35.44	MAR 06, 1973	-19.09	MAR 10, 1981	-15.08
DEC 31	-13.15	MAR 06, 1965	-13.25	MAR 06, 1974	-13.64	SEP 16	-15.24
JAN 23, 1963	-11.75	AUG 25	-33.76	MAR 06, 1975	-17.37	MAR 06, 1982	-12.87
FEB 09	-10.69	MAR 03, 1966	-15.03	MAR 02, 1976	-17.69		
MAR 15	-9.04	AUG 25	-36.81	MAR 02, 1977	-17.38		

(C-16- 8)15DDD- 4   ALT.   4583

NOV 13, 1936	+0.50	MAY 20, 1963	-21.48	MAR 07, 1969	-17.15	MAR 02, 1977	-16.20
DEC 06, 1946	+0.22	JUN 27	-29.77	AUG 21	-37.88	AUG 30	-34.85
MAR 17, 1947	+0.49	AUG 15	-34.63	MAR 04, 1970	-14.14	MAR 01, 1978	-16.93
APR 21, 1959	-0.40	DEC 16	-14.90	AUG 27	-34.79	AUG 31	-30.94
DEC 02	-1.21	JAN 29, 1964	-11.69	MAR 05, 1971	-13.12	MAR 05, 1979	-15.95
MAR 07, 1960	-0.62	MAR 10	-9.76	AUG 25	-31.92	JUN 20	-27.42
DEC 14	-6.67	MAY 01	-14.58	MAR 02, 1972	-11.88	AUG 24	-29.56
MAR 21, 1961	-2.85	28	-20.65	SEP 12	-43.99	MAR 05, 1980	-16.25
OCT 18	-16.65	MAR 08, 1965	-11.18	MAR 06, 1973	-18.07	AUG 26	-17.29
MAR 15, 1962	-4.91	AUG 24	-41.64	SEP 13	-22.20	MAR 10, 1981	-12.66
MAY 23	-15.40	MAR 04, 1966	-13.59	MAR 06, 1974	-12.89	18	-12.48
NOV 09	-16.23	AUG 25	-41.16	AUG 27	-34.77	SEP 16	-17.52
27	-14.03	MAR 01, 1967	-15.84	MAR 06, 1975	-15.00	MAR 05, 1982	-10.54
DEC 22	-11.87	AUG 24	-43.92	AUG 26	-40.38		
MAR 15, 1963	-7.70	MAR 05, 1968	-18.79	MAR 02, 1976	-15.59		
APR 23	-10.66	AUG 28	-41.12	AUG 31	-42.39		

(C-16- 8)18DAA- 1   ALT.   4569

AUG 09, 1942	+2.08	JUL 03, 1944	-3.12	OCT 31, 1963	-3.66	AUG 25, 1971	-10.01
SEP 02	+2.12	29	-3.47	MAR 10, 1964	-1.98	MAR 02, 1972	-5.31
06	+2.50	AUG 18	-3.60	MAY 01	-1.43	SEP 12	-12.42
NOV 11	+0.50	OCT 06	-4.32	28	-1.54	MAR 06, 1973	-9.08
DEC 02	+0.40	25	-4.60	JUL 30	-2.46	SEP 13	-11.50
FEB 22, 1943	-0.35	NOV 23	-4.77	AUG 24	-3.08	MAR 06, 1974	-6.58
MAR 15	-0.70	DEC 29	-5.27	SEP 28	-4.01	AUG 27	-10.82
APR 10	-0.87	JAN 19, 1945	-4.90	DEC 16	-1.33	MAR 06, 1975	-7.21
13	-0.89	MAR 13	-4.40	MAR 07, 1965	-3.06	AUG 26	-14.90
MAY 05	-0.83	26	-4.32	JUN 16	-4.84	MAR 02, 1976	-8.25
28	-0.81	APR 04	-4.20	JUL 27	-7.41	AUG 31	-10.44
JUN 18	-0.90	MAY 03	-3.89	AUG 24	-8.05	MAR 02, 1977	-7.81
JUL 09	-1.20	24	-3.90	JAN 08, 1966	-5.68	AUG 30	-9.39
AUG 03	-1.62	30	-3.87	MAR 04	-1.72	AUG 31, 1978	-15.24
24	-2.03	JUN 29	-3.80	AUG 25	-6.69	MAR 05, 1979	-8.54
SEP 15	-2.28	JUL 09	-3.82	MAR 01, 1967	-6.16	AUG 30	-15.15
OCT 06	-2.78	26	-3.75	AUG 24	-9.43	MAR 11, 1980	-9.10
27	-3.08	AUG 24	-3.50	MAR 05, 1968	-8.52	AUG 26	-9.28
NOV 01	-3.08	NOV 28	-0.91	AUG 26	-11.70	MAR 10, 1981	-6.92
DEC 02	-2.76	DEC 06, 1946	+1.77	MAR 07, 1969	-7.45	SEP 16	-6.61
MAR 09, 1944	-2.28	OCT 18, 1961	-1.21	AUG 20	-7.91	MAR 05, 1982	-5.31
APR 12	-1.68	MAR 15, 1963	-0.13	MAR 04, 1970	-6.09		
MAY 15	-2.15	JUL 23	-2.14	AUG 27	-10.14		
29	-2.52	AUG 15	-2.75	MAR 05, 1971	-5.89		

(C-16- 8)19DDD- 1   ALT.   4567.2

NOV 11, 1942	-2.01	AUG 18, 1944	-7.40	DEC 04, 1947	+1.10	SEP 12, 1972	-25.05
DEC 05	-2.39	OCT 06	-8.00	MAR 08, 1948	+0.20	MAR 06, 1973	-12.89
FEB 22, 1943	-2.73	25	-8.15	NOV 30	+1.10	SEP 13	-15.85
MAR 15	-3.00	NOV 23	-8.64	OCT 19, 1961	-4.96	MAR 06, 1974	-9.18
APR 13	-3.16	DEC 29	-9.13	MAR 22, 1963	-4.15	AUG 27	-15.71
MAY 05	-3.18	JAN 19, 1945	-9.30	MAR 10, 1964	-5.37	MAR 06, 1975	-10.14
28	-3.37	MAR 13	-7.50	AUG 24	-6.88	AUG 08	-21.72
JUN 18	-3.50	26	-7.54	MAR 07, 1965	-6.75	MAR 02, 1976	-11.20
JUL 10	-3.92	APR 04	-7.60	AUG 25	-14.88	AUG 31	-15.08
AUG 03	-4.50	MAY 03	-7.48	MAR 04, 1966	-8.84	MAR 02, 1977	-11.04
24	-5.27	24	-7.02	AUG 25	-11.96	AUG 30	-14.49
SEP 15	-5.74	30	-6.82	MAR 01, 1967	-10.45	MAR 01, 1978	-11.45
OCT 06	-6.16	JUN 29	-6.20	AUG 24	-15.22	AUG 31	-21.50
27	-6.12	JUL 09	-6.09	MAR 05, 1968	-12.81	MAR 05, 1979	-11.49
NOV 01	-5.99	26	-6.15	AUG 26	-16.87	AUG 24	-21.73
DEC 02	-5.42	AUG 24	-6.32	MAR 07, 1969	-10.91	MAR 05, 1980	-11.69
MAR 09, 1944	-5.52	31	-6.16	AUG 20	-12.11	SEP 03	-11.09
APR 12	-6.59	NOV 29	-3.06	MAR 04, 1970	-9.34	MAR 10, 1981	-8.97
MAY 15	-5.60	JAN 25, 1946	-1.70	AUG 27	-14.97	SEP 16	-8.86
29	-5.81	MAR 12	-0.98	MAR 04, 1971	-8.84	MAR 05, 1982	-7.34
JUL 03	-6.81	DEC 06	+0.32	AUG 25	-15.18		
29	-7.12	MAR 18, 1947	+0.48	MAR 02, 1972	-8.19		

(C-16- 8)21BCB-1 ALT. 4569.8

NOV 28, 1945	-4.86	JUL 20, 1963	-6.40	AUG 10, 1964	-6.74	SEP 05, 1965	-14.40
JAN 04, 1946	-3.00	25	-6.61	15	-7.19	10	-14.10
DEC 06, 1949	-2.04	31	-6.87	20	-7.54	15	-13.80
OCT 19, 1961	-3.31	AUG 05	-7.06	25	-7.73	20	-13.58
MAR 15, 1962	-0.14	10	-7.22	31	-7.80	25	-13.20
MAY 01	-0.24	15	-7.37	SEP 05	-8.11	30	-12.80
23	-2.22	20	-7.45	10	-8.44	OCT 05	-12.50
JUN 25	-21.63	25	-7.56	15	-8.56	10	-12.20
30	-23.48	31	-7.70	20	-8.84	15	-11.90
JUL 20	-12.81	SEP 05	-7.78	25	-9.27	20	-11.58
AUG 20	-7.73	10	-7.89	30	-9.67	25	-11.35
25	-7.66	15	-7.89	OCT 05	-9.40	31	-11.20
31	-7.53	20	-8.01	10	-9.20	NOV 05	-10.90
SEP 05	-7.50	25	-8.14	15	-9.00	10	-10.52
10	-7.44	30	-8.18	20	-8.80	15	-10.93
15	-7.47	OCT 05	-8.10	25	-8.60	20	-10.22
20	-7.38	10	-7.82	31	-8.40	25	-9.82
25	-7.36	15	-7.54	NOV 05	-8.20	30	-10.38
30	-7.66	20	-7.28	10	-8.00	DEC 05	-9.54
OCT 05	-6.73	25	-6.98	15	-7.80	10	-9.10
10	-6.50	31	-6.77	20	-7.70	15	-8.90
15	-6.20	NOV 05	-6.42	25	-7.60	20	-8.70
20	-5.97	10	-6.30	30	-7.50	25	-8.50
25	-5.75	15	-6.00	DEC 05	-7.40	31	-8.30
31	-5.41	20	-5.90	10	-7.30	JAN 05, 1966	-8.10
NOV 05	-5.12	25	-5.80	14	-7.26	10	-7.88
10	-4.92	30	-5.60	20	-6.43	15	-7.68
15	-4.71	DEC 05	-5.40	25	-6.18	20	-7.46
20	-4.52	10	-5.20	31	-6.02	25	-7.28
25	-4.36	15	-5.00	JAN 05, 1965	-5.87	31	-6.97
30	-4.18	20	-4.85	10	-5.82	FEB 05	-6.86
DEC 05	-4.12	25	-4.70	15	-5.77	10	-6.61
10	-4.18	31	-4.60	20	-5.55	15	-6.47
15	-3.82	JAN 05, 1964	-4.50	25	-5.42	20	-6.37
20	-3.69	10	-4.40	31	-5.32	25	-6.11
25	-3.47	15	-4.30	FEB 05	-5.32	28	-5.95
31	-3.20	20	-4.20	10	-5.04	MAR 05	-5.80
JAN 05, 1963	-2.92	25	-4.10	15	-5.01	10	-5.65
10	-2.90	31	-3.98	20	-4.94	15	-5.52
15	-2.90	FEB 05	-3.79	25	-4.86	20	-5.44
20	-2.90	10	-3.68	28	-4.77	25	-5.38
25	-2.64	15	-3.54	MAR 05	-4.72	31	-5.30
31	-2.52	20	-3.60	10	-4.63	APR 05	-5.22
FEB 05	-2.57	25	-3.44	15	-4.53	10	-5.38
10	-2.38	29	-3.32	20	-4.52	15	-5.90
15	-2.40	MAR 05	-3.25	25	-4.60	20	-6.19
20	-2.26	10	-3.24	31	-4.70	25	-6.75
25	-2.25	15	-3.18	APR 05	-4.70	30	-7.10
28	-2.20	20	-3.07	10	-4.80	MAY 05	-7.14
MAR 05	-2.10	25	-2.98	15	-4.80	12	-8.70
10	-1.90	31	-2.85	20	-4.89	15	-8.69
15	-1.71	APR 05	-2.77	25	-5.12	20	-8.93
20	-1.82	10	-2.80	30	-5.40	25	-9.58
25	-1.77	15	-2.81	MAY 05	-5.71	31	-9.59
31	-1.56	20	-2.90	10	-6.44	JUN 05	-9.85
APR 05	-1.68	25	-3.07	15	-7.06	10	-10.03
10	-1.48	30	-3.26	20	-7.34	15	-10.25
15	-1.38	MAY 05	-3.26	25	-7.60	20	-10.48
20	-1.33	10	-3.54	31	-7.91	25	-9.88
25	-1.48	15	-3.64	JUN 05	-12.60	30	-10.58
30	-1.80	20	-3.77	10	-17.30	JUL 05	-11.05
MAY 05	-2.10	25	-3.95	15	-22.00	10	-11.37
10	-2.43	31	-4.21	20	-26.46	15	-11.42
15	-2.72	JUN 05	-4.43	25	-21.36	20	-11.72
20	-3.07	10	-4.65	JUL 05	-13.92	25	-11.73
25	-3.34	15	-4.89	10	-13.57	31	-11.66
31	-3.71	20	-4.93	15	-14.10	AUG 05	-11.72
JUN 05	-4.03	25	-4.92	20	-14.60	10	-11.78
10	-5.40	30	-4.86	25	-15.10	15	-11.93
15	-4.81	JUL 05	-4.84	31	-16.01	20	-12.06
20	-5.08	10	-5.09	AUG 05	-16.50	25	-12.65
25	-5.39	15	-5.29	10	-15.70	31	-12.98
30	-5.55	20	-5.62	15	-14.90	SEP 05	-13.48
JUL 05	-5.70	25	-5.87	20	-14.17	10	-13.89
10	-5.92	31	-6.19	25	-14.95	15	-14.38
15	-6.18	AUG 05	-6.52	31	-14.70	MAR 01, 1967	-8.44

(C-16- 8)21BCB-1 -- CONTINUED

AUG 24, 1967	-15.92	AUG 25, 1971	-27.84	MAR 02, 1976	-10.30	AUG 24, 1979	-24.76
MAR 05, 1968	-11.08	MAR 02, 1972	-7.14	AUG 31	-15.89	MAR 05, 1980	-11.64
MAR 07, 1969	-9.77	SEP 12	-56.78	MAR 02, 1977	-10.14	AUG 26	-12.42
AUG 20	-10.73	MAR 06, 1973	-11.62	AUG 30	-14.49	MAR 10, 1981	-9.04
MAR 04, 1970	-8.20	SEP 13	-14.51	MAR 01, 1978	-10.35	SEP 16	-8.88
AUG 27	-15.12	MAR 06, 1974	-8.53	AUG 31	-21.69	MAR 05, 1982	-7.04
MAR 05, 1971	-7.95	AUG 27	-22.14	MAR 05, 1979	-10.80		

(C-16- 8)21DDD- 1 ALT. 4575.3

AUG 09, 1942	-2.98	APR 04, 1945	-1.50	OCT 09, 1956	-0.50	JUL 30, 1964	-4.68
SEP 02	-2.79	MAY 03	-1.52	DEC 03, 1957	-1.62	AUG 24	-7.05
06	-2.61	24	-1.45	DEC 10, 1958	-1.45	SEP 28	-10.41
NOV 11	-2.50	30	-1.40	DEC 02, 1959	-0.10	MAR 07, 1965	-6.92
DEC 05	-2.22	JUN 29	-1.20	MAR 07, 1960	-1.43	JUN 16	-12.85
FEB 22, 1943	-1.78	JUL 09	-1.20	MAR 21, 1961	-0.26	AUG 25	-16.17
MAR 15	-1.57	26	-1.20	OCT 19	-2.66	MAR 04, 1966	-9.14
APR 13	-1.40	AUG 24	-1.20	MAR 15, 1962	-1.17	AUG 25	-14.22
MAY 05	-1.29	31	-1.90	MAY 23	-0.78	MAR 02, 1967	-10.90
28	-1.25	NOV 28	-0.20	JUL 18	-4.08	AUG 24	-17.46
JUN 18	-1.13	JAN 25, 1946	-0.80	AUG 27	-4.69	MAR 05, 1968	-13.08
JUL 10	-0.95	MAR 12	-1.60	SEP 24	-5.06	AUG 26	-19.42
AUG 03	-0.66	DEC 06	-2.53	OCT 17	-5.29	MAR 07, 1969	-11.65
24	-0.29	MAR 18, 1947	-2.23	NOV 09	-5.16	AUG 21	-15.15
OCT 06	-0.14	MAR 08, 1948	-2.77	27	-4.94	MAR 04, 1970	-9.47
27	-0.33	NOV 30	-2.81	DEC 22	-4.63	AUG 27	-18.36
DEC 02	-0.29	MAR 29, 1949	-2.72	MAR 18, 1963	-3.36	MAR 05, 1971	-8.76
MAR 09, 1944	-0.34	DEC 05	-3.05	APR 23	-2.94	AUG 25	-15.02
APR 12	-0.35	APR 01, 1950	-2.76	MAY 20	-2.85	MAR 02, 1972	-6.64
MAY 15	-0.30	DEC 05	-2.73	JUN 27	-3.47	MAR 06, 1973	-12.31
JUL 03	-0.69	MAR 20, 1951	-2.91	AUG 15	-4.97	SEP 13	-14.21
29	-0.96	DEC 04	-2.43	SEP 26	-6.00	MAR 06, 1974	-8.70
AUG 18	-0.70	APR 03, 1952	-2.95	OCT 31	-6.48	AUG 27	-14.06
OCT 06	-1.45	MAR 25, 1953	-3.03	DEC 16	-6.02	MAR 06, 1975	-10.18
25	-1.55	DEC 02	-3.40	JAN 29, 1964	-5.50	AUG 26	-17.89
NOV 23	-1.62	APR 08, 1954	-3.60	MAR 10	-4.84	MAR 02, 1976	-10.62
DEC 29	-1.99	APR 13, 1955	-3.05	MAY 01	-4.07		
MAR 26, 1945	-1.50	NOV 29	-1.50	28	-3.94		

(C-16- 8)22BAD- 2 ALT. 4579

DEC 16, 1964	-15.22	MAR 04, 1970	-14.20	MAR 02, 1976	-15.00	MAR 05, 1980	-16.04
MAR 07, 1965	-11.53	MAR 05, 1971	-13.26	MAR 02, 1977	-15.42	SEP 03	-23.16
MAR 04, 1966	-12.66	MAR 02, 1972	-11.88	MAR 01, 1978	-16.03	MAR 10, 1981	-12.25
MAR 01, 1967	-15.71	MAR 06, 1973	-17.79	MAR 05, 1979	-15.26	18	-12.55
MAR 05, 1968	-18.38	MAR 06, 1974	-13.18	JUN 20	-28.14	MAR 05, 1982	-10.25
MAR 07, 1969	-16.30	MAR 06, 1975	-14.98	AUG 24	-28.87		

(C-16- 8)24BAA- 1 ALT. 4586

MAR 22, 1963	-5.05	AUG 22, 1968	-11.73	SEP 13, 1973	-11.34	AUG 31, 1978	-13.39
MAR 10, 1964	-6.28	MAR 07, 1969	-11.44	MAR 06, 1974	-10.39	MAR 05, 1979	-13.19
AUG 24	-6.19	AUG 21	-10.66	AUG 27	-11.10	JUN 20	-12.38
MAR 07, 1965	-7.74	MAR 04, 1970	-9.94	MAR 06, 1975	-11.86	AUG 30	-13.32
AUG 25	-8.47	AUG 27	-10.15	AUG 27	-11.33	MAR 05, 1980	-13.60
MAR 04, 1966	-9.30	MAR 05, 1971	-9.25	MAR 02, 1976	-11.99	AUG 26	-12.94
AUG 25	-9.52	AUG 25	-9.87	AUG 31	-11.87	MAR 10, 1981	-11.56
MAR 01, 1967	-10.22	MAR 02, 1972	-8.24	MAR 02, 1977	-12.32	24	-11.40
AUG 24	-10.12	SEP 12	-9.61	AUG 30	-12.31	SEP 16	-10.80
MAR 05, 1968	-11.60	MAR 06, 1973	-11.55	MAR 01, 1978	-13.14	MAR 05, 1982	-10.09

(C-16- 8)26BCB- 1 ALT. 4584

OCT 24, 1961	-8.50	AUG 23, 1967	-15.50	MAR 02, 1972	-13.47	AUG 31, 1976	-15.93
MAR 19, 1963	-10.57	MAR 05, 1968	-16.46	SEP 12	-13.77	MAR 02, 1977	-15.87
JUL 23	-10.59	AUG 22	-16.95	MAR 06, 1973	-15.01	AUG 30	-16.40
MAR 10, 1964	-11.64	MAR 07, 1969	-16.37	SEP 13	-15.18	MAR 01, 1978	-17.08
AUG 24	-11.94	AUG 21	-15.87	MAR 06, 1974	-13.85	AUG 31	-18.01
MAR 08, 1965	-13.05	MAR 04, 1970	-15.22	AUG 27	-14.55	MAR 05, 1979	-17.34
MAR 04, 1966	-14.31	AUG 27	-16.01	MAR 06, 1975	-15.03	JUN 20	-16.80
AUG 25	-15.27	MAR 05, 1971	-14.61	AUG 26	-15.27	AUG 24	-17.64
MAR 02, 1967	-15.34	AUG 25	-14.53	MAR 02, 1976	-15.60	MAR 05, 1980	-17.33

(C-16- 8)26BCB- 1 -- CONTINUED

AUG 26, 1980	-16.82	MAR 18, 1981	-15.17	MAR 05, 1982	-13.92		
MAR 10, 1981	-15.29	SEP 16	-14.69				

(C-16- 8)26BDB- 2 ALT. 4591

SEP 24, 1962	-56.26	APR 05, 1963	-24.25	MAR 05, 1971	-32.67	JUN 20, 1979	-46.11
OCT 17	-40.21	DEC 16	-34.03	MAR 02, 1972	-30.60	MAR 05, 1980	-33.95
NOV 08	-34.90	MAR 10, 1964	-28.11	MAR 06, 1973	-36.77	AUG 26	-37.11
30	-31.55	MAR 08, 1965	-29.14	MAR 06, 1974	-31.77	MAR 10, 1981	-31.49
DEC 31	-28.76	MAR 04, 1966	-31.94	MAR 06, 1975	-32.60	SEP 16	-32.59
JAN 23, 1963	-27.38	MAR 02, 1967	-33.97	MAR 02, 1976	-33.08	MAR 05, 1982	-30.26
FEB 09	-26.32	MAR 05, 1968	-37.74	MAR 02, 1977	-34.44		
MAR 01	-25.50	MAR 07, 1969	-34.76	MAR 01, 1978	-35.06		
19	-24.95	MAR 04, 1970	-32.38	MAR 05, 1979	-34.44		

(C-16- 8)28CDD-1 ALT. 4579

AUG 30, 1979	-13.01	MAR 11, 1980	-13.48	MAR 12, 1981	-14.19	SEP 16, 1981	-15.63

(C-16- 8)30DDA- 1 ALT. 4570

OCT 19, 1961	-6.20	AUG 25, 1966	-14.27	MAR 04, 1970	-9.91	MAR 02, 1976	-11.60
MAR 22, 1963	-4.32	MAR 01, 1967	-11.11	AUG 27	-15.64	MAR 02, 1977	-11.60
MAR 10, 1964	-5.69	AUG 24	-17.59	MAR 04, 1971	-9.24	MAR 01, 1978	-11.95
AUG 24	-8.43	MAR 05, 1968	-13.51	MAR 02, 1972	-8.48	MAR 05, 1979	-11.78
MAR 08, 1965	-7.20	AUG 26	-18.20	MAR 06, 1973	-13.40	MAR 11, 1980	-11.05
AUG 25	-16.69	MAR 07, 1969	-11.49	MAR 06, 1974	-9.40		
MAR 04, 1966	-9.41	AUG 20	-14.00	MAR 06, 1975	-10.55		

(C-16- 8)36CDD- 1 ALT. 4589

DEC 04, 1956	-7.10	MAR 19, 1963	-11.91	MAR 04, 1966	-16.88	AUG 27, 1974	-17.09
MAR 21, 1957	-7.00	APR 23	-11.86	AUG 25	-17.36	MAR 05, 1975	-17.94
DEC 03	-7.35	JUN 27	-11.64	MAR 01, 1967	-18.15	AUG 26	-18.33
MAR 28, 1958	-7.10	AUG 15	-12.34	AUG 23	-18.54	MAR 02, 1976	-18.26
MAR 07, 1960	-7.50	SEP 25	-13.06	MAR 05, 1968	-19.62	AUG 31	-18.87
DEC 14	-8.63	OCT 31	-13.50	AUG 22	-19.99	MAR 02, 1977	-18.80
MAR 21, 1961	-8.65	DEC 16	-13.75	MAR 07, 1969	-19.15	AUG 30	-19.74
OCT 24	-10.14	JAN 29, 1964	-13.71	AUG 21	-18.61	MAR 01, 1978	-20.14
MAR 15, 1962	-10.12	MAR 10	-13.41	MAR 04, 1970	-17.94	AUG 31	-21.41
MAY 23	-9.67	MAY 01	-12.94	AUG 26	-18.54	MAR 05, 1979	-19.98
JUN 28	-9.93	28	-12.65	MAR 04, 1971	-17.26	AUG 30	-20.75
JUL 18	-10.11	JUL 30	-12.99	AUG 24	-16.86	MAR 05, 1980	-20.28
AUG 27	-10.90	AUG 24	-14.18	MAR 02, 1972	-16.03	AUG 26	-19.58
SEP 24	-11.27	DEC 16	-15.48	SEP 12	-18.02	MAR 10, 1981	-17.90
NOV 09	-12.11	MAR 08, 1965	-15.12	MAR 02, 1973	-18.71	SEP 16	-17.50
27	-12.22	JUN 16	-14.25	SEP 13	-17.91	MAR 04, 1982	-16.35
DEC 18	-12.23	AUG 24	-16.84	MAR 06, 1974	-16.45		

(C-17- 6) 3ADA- 1 ALT. 4735

NOV 06, 1951	-96.28	OCT 29, 1962	-104.15	MAR 02, 1965	-101.88	AUG 27, 1975	-104.75
DEC 04	-96.12	NOV 27	-102.71	MAR 01, 1966	-102.02	MAR 02, 1976	-100.69
APR 02, 1952	-95.03	DEC 22	-101.77	MAR 01, 1967	-103.28	AUG 30	-105.88
DEC 02, 1953	-96.99	MAR 01, 1963	-100.12	MAR 01, 1968	-105.20	MAR 01, 1977	-103.77
MAR 24, 1956	-95.62	19	-100.17	MAR 04, 1969	-103.69	AUG 29	-114.58
DEC 04, 1957	-97.04	APR 05	-100.42	AUG 18	-116.90	MAR 01, 1978	-107.44
MAR 26, 1958	-96.25	12	-100.59	MAR 02, 1970	-102.01	AUG 30	-113.57
OCT 24, 1961	-102.34	23	-100.86	AUG 25	-105.39	MAR 06, 1979	-106.59
NOV 10	-101.78	MAY 22	-101.84	MAR 02, 1971	-100.92	AUG 28	-118.64
DEC 22	-100.45	JUN 26	-103.97	AUG 24	-102.80	MAR 03, 1980	-110.20
MAR 14, 1962	-98.60	AUG 15	-106.93	MAR 01, 1972	-100.77	AUG 26	-109.85
APR 12	-98.17	SEP 24	-107.69	SEP 12	-101.91	MAR 12, 1981	-104.58
MAY 18	-99.02	OCT 31	-106.60	MAR 01, 1973	-104.21	SEP 15	-107.64
JUN 20	-101.31	DEC 17	-103.96	SEP 14	-103.16	MAR 16, 1982	-103.82
AUG 20	-104.61	JAN 27, 1964	-102.42	MAR 05, 1974	-101.99		
SEP 04	-105.16	MAR 02	-101.18	AUG 28	-105.89		
21	-105.41	MAY 27	-103.84	MAR 20, 1975	-101.85		

(C-17- 6) 6CBD- 1 ALT. 4643

SEP 12, 1979	-80.63 R	SEP 04, 1980	-55.10 R	SEP 17, 1981	-47.44
MAR 06, 1980	-35.52	MAR 06, 1981	-23.98	MAR 10, 1982	-22.65

(C-17- 6) 8CAA- 1 ALT. 4626

MAR 20, 1951	+5.20	SEP 05, 1961	-2.08	APR 23, 1963	-0.51	FEB 28, 1966	-3.64
NOV 09, 1953	+3.75	13	-2.19	MAY 03	-0.74	MAR 07	-3.24
DEC 02	+2.70	26	-2.53	14	-1.47	14	-3.16
APR 09, 1954	+4.85	OCT 24	-2.20	JUN 26	-3.76	AUG 25	-10.38
JUL 07	+2.00	NOV 10	-1.63	AUG 13	-7.18	MAR 01, 1967	-4.67
DEC 01	+3.95	DEC 22	-0.60	SEP 03	-7.83	AUG 22	-11.04
APR 13, 1955	+4.74	MAR 14, 1962	+1.05	24	-8.06	MAR 01, 1968	-6.40
NOV 29	+3.65	APR 12	+1.65	OCT 31	-7.50	AUG 28	-12.04
MAR 24, 1956	+3.75	30	+1.51	DEC 17	-5.00	MAR 04, 1969	-4.96
OCT 09	+3.15	MAY 18	+1.30	JAN 28, 1964	-3.24	MAR 03, 1970	-3.12
DEC 03	+2.07	JUN 12	+0.52	FEB 29	-2.20	MAR 03, 1971	-2.03
MAR 21, 1957	+2.80	21	-0.02	MAR 13	-1.90	MAR 01, 1972	-1.84
JUN 17	+2.15	JUL 11	-1.15	26	-1.91	MAR 01, 1973	-5.49
DEC 04	+1.75	19	-1.59	APR 30	-2.52	SEP 12	-5.88
MAR 26, 1958	+2.75	AUG 16	+3.00	MAY 27	-3.73	MAR 05, 1974	-3.01
DEC 09	+2.15	24	-3.32	JUL 27	-7.32	AUG 28	-10.08
APR 22, 1959	+2.35	SEP 04	-3.70	AUG 26	-8.78	MAR 06, 1975	-4.04
DEC 03	+1.12	11	-3.93	SEP 28	-9.05	AUG 26	-8.09
MAR 07, 1960	+1.77	21	-4.15	DEC 14	-5.65	MAR 02, 1976	-4.18
JUN 13	+1.21	OCT 04	-4.18	17	-5.65	AUG 30	-11.68
JUL 19	+0.47	17	-4.09	MAR 01, 1965	-2.97	MAR 02, 1977	-5.82
29	-0.15	NOV 09	-3.46	11	-2.69	AUG 29	-18.07
FEB 28, 1961	+1.10	27	-2.82	JUN 14	-6.61	MAR 01, 1978	-9.84
MAR 20	+1.32	DEC 22	-2.10	JUL 07	-7.87	AUG 31	-18.80
JUL 01	-0.40	FEB 21, 1963	-0.67	27	-8.78		
AUG 08	-1.40	MAR 19	-0.24	AUG 23	-9.03		
28	-1.75	APR 05	-0.29	JAN 08, 1966	-4.98		

(C-17- 6)12DAD- 1 ALT. 4726

MAR 29, 1960	-78.02	MAY 22, 1963	-77.85	MAR 04, 1969	-79.82	MAR 02, 1976	-78.46
MAR 20, 1961	-77.38	JUN 26	-77.92	AUG 22	-80.85	AUG 30	-78.98
OCT 24	-78.66	AUG 15	-78.52	MAR 02, 1970	-79.29	MAR 01, 1977	-78.71
DEC 22	-78.40	SEP 24	-79.00	AUG 28	-79.39	AUG 29	-80.00
MAR 14, 1962	-77.47	DEC 17	-79.35	AUG 23, 1971	-79.90	MAR 01, 1978	-79.84
JUN 21	-77.32	MAR 02, 1964	-78.48	MAR 01, 1972	-79.83	AUG 30	-80.44
JUL 19	-77.78	AUG 26	-78.85	SEP 12	-80.08	MAR 05, 1979	-79.79
AUG 20	-78.23	MAR 02, 1965	-79.51	MAR 01, 1973	-79.17	AUG 23	-80.41
SEP 04	-78.38	AUG 23	-79.24	SEP 14	-79.38	MAR 03, 1980	-84.05
21	-78.61	MAR 01, 1966	-79.02	MAR 04, 1974	-78.91	SEP 03	-80.15
OCT 29	-79.05	MAR 01, 1967	-79.60	AUG 27	-79.11	MAR 12, 1981	-79.33
MAR 22, 1963	-78.29	AUG 24	-79.90	MAR 06, 1975	-79.15	MAR 03, 1982	-80.17 R
APR 26	-77.86	MAR 01, 1968	-79.87	AUG 27	-79.32		

(C-17- 6)16BCC- 1 ALT. 4618

OCT 26, 1961	+6.42	MAR 01, 1967	+3.11	SEP 11, 1972	-6.98	AUG 31, 1976	-8.70
OCT 04, 1962	+4.29	AUG 22	-4.86	MAR 01, 1973	+1.75	MAR 02, 1977	+1.04
17	+4.28	MAR 01, 1968	+1.78	SEP 12	+1.13	AUG 29	-15.96
MAR 01, 1963	+7.89	MAR 04, 1969	+3.02	MAR 05, 1974	+4.46	MAR 01, 1978	-3.83
MAR 02, 1964	+5.98	MAR 03, 1970	+4.12	AUG 28	-6.28	AUG 31	-16.95
AUG 26	-1.73	AUG 25	+0.47	MAR 06, 1975	+1.66	MAR 06, 1979	-2.15
MAR 02, 1965	+5.09	MAR 03, 1971	+5.70	20	+1.97	MAR 04, 1980	-7.11
MAR 01, 1966	+5.61	AUG 24	+1.55	AUG 26	-2.87	MAR 04, 1981	+0.47
AUG 26	-3.98	MAR 01, 1972	+5.96	MAR 02, 1976	+2.29	SEP 15	-8.78

(C-17- 6)17AAA- 1 ALT. 4622

OCT 04, 1962	-0.75	OCT 31, 1963	-4.10	MAR 01, 1966	+7.52	MAR 01, 1972	+6.90
NOV 27	+9.80	DEC 17	+3.62	MAR 01, 1967	+5.00	MAR 01, 1973	+2.48
DEC 22	+11.70	MAR 02, 1964	+9.88	MAR 01, 1968	+0.44	MAR 05, 1974	+6.98
MAR 01, 1963	+14.30	APR 30	+7.10	MAR 04, 1969	-0.39	MAR 27, 1981	-1.44
APR 12	+13.30	MAR 01, 1965	+7.52	MAR 03, 1970	+3.59		
AUG 13	-10.29	AUG 23	-13.10	MAR 03, 1971	+6.33		

(C-17- 6)18BDA- 1 ALT. 4626

DEC 04, 1957	+14.60	JAN 27, 1964	-0.77	MAR 01, 1967	-4.04	MAR 06, 1975	-4.40
SEP 04, 1962	-1.09	MAR 02	+2.17	AUG 25	-30.96	AUG 26	-26.56
24	-1.83	APR 30	+0.44	MAR 01, 1968	-7.67	MAR 02, 1976	-4.62
OCT 04	-1.37	MAY 27	-11.33	AUG 28	-26.47	AUG 30	-48.22
17	-1.02	JUL 27	-20.79	MAR 04, 1969	-6.11	MAR 01, 1977	-9.67
NOV 09	-0.60	AUG 27	-23.07	AUG 19	-20.68	MAR 01, 1978	-18.59
26	+2.36	SEP 28	-16.28	MAR 03, 1970	-2.05	AUG 31	-60.55
MAR 04, 1963	+7.59	DEC 17	-5.92	AUG 25	-14.72	MAR 06, 1979	-15.59
APR 23	+6.27	MAR 03, 1965	-0.88	MAR 03, 1971	+0.33	AUG 28	-72.95
MAY 08	-0.46	JUN 15	-17.27	AUG 24	-16.70	MAR 04, 1980	-23.98
20	-7.60	JUL 07	-24.55	MAR 01, 1972	+1.61	AUG 26	-51.76
JUN 27	-8.68	27	-21.73	SEP 11	-31.19	MAR 04, 1981	-11.60
AUG 13	-17.97	AUG 23	-19.06	MAR 01, 1973	-6.90	SEP 15	-38.73
SEP 24	-16.58	JAN 08, 1966	-5.09	SEP 12	-11.38	MAR 04, 1982	-10.53
OCT 31	-12.93	MAR 01	-1.21	MAR 05, 1974	-2.45		
DEC 17	-5.83	AUG 26	-25.25	AUG 28	-33.69		

(C-17- 6)20BBC- 2 ALT. 4619

OCT 31, 1961	+2.70	MAR 01, 1968	-5.75	MAR 02, 1976	-4.48	AUG 26, 1980	-29.49
MAR 05, 1963	+4.05	MAR 04, 1969	-3.32	MAR 02, 1977	-6.92	MAR 04, 1981	-7.39
MAR 03, 1964	+1.00	MAR 03, 1970	-1.40	MAR 01, 1978	-13.33	SEP 15	-27.17
AUG 27	-9.73	MAR 01, 1972	-0.39	MAR 06, 1979	-10.76	MAR 04, 1982	-6.70
MAR 03, 1965	+0.04	MAR 01, 1973	-5.78	JUN 19	-30.08		
AUG 23	-11.33	MAR 05, 1974	-2.85	AUG 28	-44.03		
MAR 01, 1966	-1.27	MAR 06, 1975	-4.29	MAR 04, 1980	-17.34		

(C-17- 6)21BDB- 1 ALT. 4614

MAR 03, 1964	+4.01	MAR 03, 1970	+3.50	MAR 02, 1976	+0.98	MAR 04, 1980	-7.00
MAR 04, 1965	+2.84	MAR 03, 1971	+3.60	MAR 02, 1977	-0.68	AUG 26	-10.79
AUG 23	-2.70	MAR 01, 1972	+3.93	MAR 01, 1978	-5.04	MAR 04, 1981	-0.76
MAR 01, 1966	+2.95	MAR 01, 1973	+0.19	MAR 06, 1979	-3.45	SEP 15	-8.91
MAR 01, 1968	-0.35	MAR 05, 1974	+2.65	JUN 19	-10.89		
MAR 04, 1969	+1.11	MAR 06, 1975	+1.33	AUG 28	-20.23		

(C-17- 6)26DAA- 2 ALT. 4634

NOV 29, 1935	-20.44	APR 30, 1964	-18.22	MAR 03, 1969	-18.76	MAR 02, 1976	-18.22
JUN 13, 1962	-15.45	MAY 27	-18.14	AUG 22	-27.35	AUG 30	-17.64
AUG 29	-17.81	JUL 27	-18.40	MAR 02, 1970	-18.69	MAR 01, 1977	-19.36
MAR 05, 1963	-18.10	AUG 25	-18.59	AUG 31	-23.15	AUG 30	-38.05
APR 24	-18.03	SEP 29	-18.69	MAR 03, 1971	-18.12	MAR 01, 1978	-19.12
MAY 21	-18.04	DEC 15	-18.68	AUG 24	-18.37	MAR 06, 1979	-18.02
JUN 28	-18.10	MAR 02, 1965	-18.62	MAR 01, 1972	-18.51	JUN 21	-22.02
AUG 15	-18.25	JUN 15	-18.40	SEP 11	-14.63	AUG 28	-19.40
SEP 25	-18.49	JAN 08, 1966	-21.17	MAR 01, 1973	-17.28	MAR 11, 1980	-18.86
OCT 28	-18.45	MAR 01	-20.73	SEP 14	-14.08	AUG 27	-19.04
DEC 20	-18.46	MAR 01, 1967	-18.49	MAR 05, 1974	-16.39	MAR 12, 1981	-18.80
JAN 27, 1964	-18.52	MAR 01, 1968	-20.10	MAR 06, 1975	-18.41	SEP 15	-18.98
MAR 02	-18.34	AUG 23	-18.70	AUG 26	-39.64	MAR 06, 1982	-18.78

(C-17- 6)26DAA- 3 ALT. 4634

JUN 13, 1962	-21.56	MAY 27, 1964	-12.12	MAR 03, 1969	-15.69	AUG 30, 1976	-27.69
AUG 29	-10.40	JUL 27	-14.56	MAR 02, 1970	-14.14	MAR 01, 1977	-17.24
MAR 05, 1963	-9.42	AUG 25	-16.01	AUG 31	-16.46	AUG 29	-18.33
APR 24	-8.99	SEP 29	-16.39	MAR 03, 1971	-12.80	MAR 01, 1978	-21.60
MAY 21	-9.23	DEC 15	-14.85	AUG 24	-14.81	MAR 06, 1979	-19.7
JUN 28	-10.88	MAR 02, 1965	-12.61	MAR 01, 1972	-12.97	JUN 21	-26.76
AUG 15	-13.79	JUN 15	-14.78	SEP 11	-26.85	AUG 29	-29.12
SEP 25	-15.39	AUG 27	-17.78	MAR 01, 1973	-16.14	MAR 05, 1980	-24.04
OCT 28	-15.69	JAN 08, 1966	-15.51	SEP 14	-18.17	MAR 12, 1981	-17.11
DEC 20	-13.99	MAR 01	-13.15	MAR 05, 1974	-13.94	SEP 15	-21.24
JAN 27, 1964	-12.70	MAR 01, 1967	-14.77	MAR 06, 1975	-16.20	MAR 06, 1982	-16.58
MAR 02	-11.55	AUG 24	-19.56	AUG 08	-18.47		
APR 30	-10.85	MAR 01, 1968	-16.64	MAR 02, 1976	-14.91		

(C-17- 6)29CCC-2 ALT. 4603

OCT 24, 1980	-8.63	JAN 30, 1981	-8.02	MAR 04, 1981	-8.00	MAR 04, 1982	-7.95
NOV 26	-8.47	FEB 26	-7.96	SEP 15	-8.05		

(C-17- 6)32BDA- 1 ALT. 4603

AUG 30, 1962	+2.80	AUG 27, 1968	-2.75	AUG 28, 1974	-3.45	AUG 28, 1979	-9.18
MAR 04, 1963	+2.72	MAR 06, 1969	-0.05	MAR 06, 1975	-0.28	MAR 04, 1980	-4.97
MAR 03, 1964	+2.21	MAR 03, 1970	+0.81	AUG 26	-2.42	AUG 26	-6.46
AUG 27	+0.48	AUG 24	-0.44	MAR 02, 1976	-0.05	MAR 04, 1981	-1.76
MAR 03, 1965	+1.42	MAR 03, 1971	+1.75	AUG 30	-4.80	APR 23	-1.11
AUG 25	-0.63	AUG 24	+0.29	MAR 01, 1977	-1.33	28	-1.08
MAR 01, 1966	+0.80	MAR 01, 1972	+1.71	AUG 29	-7.42	29	-1.04
AUG 26	-1.81	SEP 11	-2.67	MAR 02, 1978	-3.62	SEP 15	-5.42
MAR 01, 1967	+0.01	MAR 01, 1973	-0.21	AUG 31	-8.72	MAR 04, 1982	-1.32
AUG 22	-2.00	SEP 12	-0.33	MAR 06, 1979	-2.78		
MAR 01, 1968	-0.60	MAR 05, 1974	+0.99	JUN 19	-4.22		

(C-17- 6)33DCC- 1 ALT. 4594

OCT 17, 1935	+7.25	MAR 25, 1941	+9.30	OCT 17, 1962	+5.56	MAR 06, 1969	+3.93
NOV 29	+6.40	NOV 27	+9.20	NOV 26	+5.75	AUG 29	+3.15
FEB 05, 1936	+7.40	MAR 12, 1942	+8.30	DEC 21	+5.80	MAR 03, 1970	+4.27
APR 15	+8.50	JUL 21	+8.90	MAR 04, 1963	+6.07	AUG 25	+3.67
JUN 14	+8.30	DEC 02	+8.00	APR 23	+6.80	AUG 24, 1971	+4.99
JUL 29	+7.10	MAR 16, 1943	+8.00	MAY 20	+6.70	MAR 01, 1972	+5.83
SEP 21	+6.80	DEC 02	+7.90	JUN 27	+6.62	SEP 11	+3.11
NOV 13	+7.50	MAR 09, 1944	+8.20	SEP 24	+4.43	SEP 12, 1973	+3.51
FEB 12, 1937	+7.60	NOV 23	+8.70	OCT 31	+4.14	MAR 05, 1974	+4.46
MAR 25	+7.10	MAR 27, 1945	+9.80	DEC 17	+4.51	AUG 28	+1.89
MAY 18	+7.50	NOV 29	+9.40	JAN 27, 1964	+4.91	MAR 06, 1975	+3.76
AUG 25	+7.00	MAR 12, 1946	+9.90	MAR 03	+4.73	AUG 26	+3.06
OCT 03	+7.00	DEC 07	+8.90	APR 30	+5.73	MAR 02, 1976	+3.96
NOV 05	+7.30	MAR 18, 1947	+9.40	MAY 28	+5.46	AUG 30	+1.30
29	+6.60	DEC 04	+10.30	JUL 30	+4.71	MAR 01, 1977	+3.17
SEP 02, 1938	+7.60	MAR 09, 1948	+9.90	AUG 26	+4.28	AUG 29	-0.59
OCT 26	+6.80	JUL 12	+9.10	SEP 28	+3.85	MAR 02, 1978	+1.97
27	+7.00	DEC 01	+9.50	DEC 16	+3.95	AUG 31	-1.52
DEC 15	+7.20	MAR 29, 1949	+10.30	MAR 09, 1965	+4.73	MAR 06, 1979	+2.33
FEB 22, 1939	+7.60	DEC 06	+8.70	JUN 15	+5.01	AUG 28	-1.34
APR 20	+7.40	APR 01, 1950	+9.60	AUG 25	+3.70	MAR 05, 1980	+0.65
JUN 09	+7.60	DEC 05	+8.80	MAR 01, 1966	+4.28	AUG 26	+0.59
AUG 11	+7.20	DEC 04, 1951	+8.70	AUG 26	+3.09	MAR 04, 1981	+2.85
DEC 19	+7.40	JUL 12, 1962	+6.87	MAR 01, 1967	+4.76	SEP 15	+1.16
APR 29, 1940	+8.00	AUG 27	+6.32	AUG 22	+3.85	MAR 04, 1982	+3.38
DEC 10	+7.40	SEP 24	+5.71	MAR 02, 1968	+3.71		

(C-17- 7) 1CBA- 1 ALT. 4633

MAR 04, 1964	-16.65	AUG 26, 1968	-20.65	MAR 02, 1973	-20.45	MAR 02, 1978	-25.26
AUG 24	-23.88	MAR 06, 1969	-19.39	SEP 12	-21.76	AUG 30	-30.67
MAR 05, 1965	-17.36	AUG 19	-20.76	MAR 06, 1974	-19.21	MAR 06, 1979	-24.28
AUG 26	-20.94	MAR 04, 1970	-17.65	AUG 26	-25.06	AUG 29	-32.51
MAR 03, 1966	-17.60	AUG 25	-19.38	MAR 04, 1975	-21.68	MAR 05, 1980	-27.90
AUG 26	-21.65	MAR 03, 1971	-16.70	MAR 02, 1976	-20.34	SEP 03	-24.49
MAR 02, 1967	-18.79	AUG 24	-19.51	AUG 30	-25.60	MAR 11, 1981	-21.58
AUG 23	-22.57	MAR 02, 1972	-16.82	MAR 02, 1977	-21.58	SEP 15	-26.22
MAR 02, 1968	-20.26	SEP 12	-24.21	AUG 29	-29.61	MAR 06, 1982	-22.12

(C-17- 7) 1DDD- 4 ALT. 4640

JUN 28, 1961	-81.0 P	SEP 26, 1961	-10.54	AUG 28, 1962	-80.14 P	MAR 06, 1980	-46.88 R
JUL 01	-87.0 P	OCT 10	-9.16	DEC 17, 1963	-16.88	SEP 04	-117.00 P
AUG 17	-58.0 P	APR 27, 1962	-41.88 P	MAR 04, 1964	-8.30		

(C-17- 7) 8ADB- 1 ALT. 4608

AUG 16, 1962	-2.21	AUG 26, 1965	-5.00	MAR 05, 1968	-7.48	AUG 24, 1971	-5.70
MAR 06, 1963	-2.62	MAR 02, 1966	-5.50	MAR 06, 1969	-8.00	MAR 02, 1972	-5.57
MAR 04, 1964	-4.29	AUG 26	-5.60	MAR 04, 1970	-7.02	SEP 12	-6.80
AUG 25	-4.40	MAR 03, 1967	-6.38	AUG 27	-6.11	MAR 02, 1973	-7.68
MAR 08, 1965	-5.24	AUG 23	-6.21	MAR 04, 1971	-5.74	SEP 13	-7.19

Table 4.--Water levels in selected observation wells--Continued

(C-17- 7) 8ADB- 1 -- CONTINUED

MAR 05, 1974	-6.99	AUG 31, 1976	-8.38	MAR 06, 1979	-13.55	MAR 12, 1981	-13.21
AUG 27	-7.53	MAR 02, 1977	-9.97	JUL 27	-12.38	SEP 15	-12.44
MAR 05, 1975	-8.62	AUG 30	-10.02	AUG 31	-13.30	MAR 04, 1982	-12.08
AUG 26	-7.61	MAR 02, 1978	-12.37	MAR 05, 1980	-16.08		
MAR 02, 1976	-8.16	AUG 30	-12.67	AUG 27	-14.61		

(C-17- 7)12ABA- 1 ALT. 4637

OCT 12, 1961	-14.20	MAR 02, 1966	-15.56	MAR 02, 1978	-26.93	JUN 17, 1980	-41.70
24	-12.67	MAR 02, 1967	-15.82	AUG 30	-51.53	JUL 24	-45.75
MAR 28, 1962	-5.58	MAR 02, 1968	-18.84	MAR 06, 1979	-26.74	AUG 27	-44.75
AUG 28	-15.31	MAR 06, 1969	-16.77	JUL 27	-57.94	SEP 25	-41.69
MAR 05, 1963	-8.06	MAR 04, 1970	-14.11	AUG 24	-60.91	OCT 24	-34.82
AUG 16	-26.05	MAR 03, 1971	-12.74	OCT 23	-60.16	NOV 26	-28.88
DEC 17	-19.19	MAR 02, 1973	-19.66	NOV 21	-54.05	JAN 30, 1981	-22.46
MAR 02, 1964	-14.68	AUG 25, 1975	-31.34	JAN 22, 1980	-38.55	MAR 12	-21.54
AUG 27	-28.50	AUG 30, 1976	-43.72	FEB 12	-35.26	MAY 21	-27.64
MAR 05, 1965	-13.72	MAR 02, 1977	-19.94	MAR 04	-32.16	SEP 16	-39.44
AUG 26	-26.65	AUG 29	-50.83	31	-32.35	MAR 11, 1982	-20.45

(C-17- 7)12DBA- 1 ALT. 4633

SEP 12, 1979	-82.93 R	SEP 04, 1980	-60.10 R	SEP 16, 1981	-49.50
MAR 06, 1980	-33.57 R	MAR 12, 1981	-31.64		

(C-17- 7)13ADD- 1 ALT. 4625

JUN 29, 1962	-0.07	MAY 20, 1963	-3.47	DEC 16, 1964	-8.05	MAR 04, 1969	-6.91
JUL 20	-1.63	JUN 27	-6.85	MAR 03, 1965	-4.18	MAR 03, 1970	-4.27
AUG 27	-3.75	AUG 13	-12.32	JUN 15	-11.71	MAR 03, 1971	-2.98
SEP 04	-3.97	SEP 24	-13.01	JUL 07	-14.20	MAR 01, 1972	-4.28
24	-4.79	OCT 31	-12.05	27	-16.02	MAR 01, 1973	-9.87
OCT 05	-4.61	DEC 17	-7.23	AUG 25	-15.11	MAR 05, 1974	-6.80
17	-4.60	JAN 27, 1964	-4.03	JAN 08, 1966	-6.99	MAR 06, 1975	-8.18
NOV 09	-4.03	MAR 02	-3.03	MAR 01	-4.41	MAR 02, 1976	-8.40
26	-3.06	APR 30	-2.47	AUG 26	-18.50	MAR 01, 1977	-10.37
DEC 21	-2.09	MAY 27	-5.66	MAR 01, 1967	-6.50	MAR 06, 1979	-14.2
MAR 04, 1963	-0.28	JUL 27	-13.17	AUG 22	-20.78	MAR 04, 1980	-20.44
APR 12	-0.22	AUG 26	-14.80	MAR 01, 1968	-8.86		
23	-0.22	SEP 28	-14.32	AUG 27	-20.50		

(C-17- 7)14CBB- 1 ALT. 4612

JUL 27, 1962	-2.13	AUG 26, 1968	-10.47	SEP 12, 1973	-8.58	AUG 30, 1978	-19.70
MAR 06, 1963	-3.25	MAR 06, 1969	-8.56	MAR 05, 1974	-6.75	MAR 06, 1979	-14.66
MAR 04, 1964	-4.89	AUG 19	-9.04	AUG 27	-11.27	JUL 27	-18.47
AUG 27	-6.51	MAR 03, 1970	-6.98	MAR 20, 1975	-8.27	AUG 30	-21.37
MAR 09, 1965	-5.65	AUG 25	-7.66	AUG 25	-10.27	MAR 06, 1980	-18.64
AUG 26	-8.57	MAR 03, 1971	-5.54	MAR 02, 1976	-8.21	AUG 27	-18.95
MAR 02, 1966	-5.86	AUG 24	-6.76	AUG 30	-13.36	MAR 10, 1981	-12.60
MAR 01, 1967	-7.18	MAR 02, 1972	-5.14	MAR 02, 1977	-10.57	SEP 16	-16.22
AUG 23	-9.12	SEP 12	-9.99	AUG 29	-16.64	MAR 04, 1982	-11.61
MAR 02, 1968	-8.67	MAR 02, 1973	-8.57	MAR 02, 1978	-14.74		

(C-17- 7)16CCC- 1 ALT. 4599

APR 14, 1955	+1.50	AUG 27, 1962	+0.83	AUG 27, 1964	-1.88	MAR 04, 1970	-4.14
NOV 29	+1.58	SEP 26	+0.65	SEP 28	-2.29	AUG 25	-3.50
OCT 09, 1956	+1.30	OCT 17	+0.51	DEC 16	-2.51	MAR 04, 1971	-2.96
MAR 21, 1957	+1.50	NOV 09	+0.33	MAR 08, 1965	-2.36	AUG 24	-2.83
DEC 04	+1.90	DEC 21	+0.01	JUN 17	-1.80	MAR 02, 1972	-2.64
DEC 10, 1958	+1.25	MAR 06, 1963	+0.31	JUL 27	-2.10	SEP 12	-3.64
DEC 02, 1959	+1.41	APR 23	+0.39	AUG 25	-2.44	MAR 02, 1973	-4.19
MAR 07, 1960	+1.68	JUN 27	+0.42	MAR 02, 1966	-2.70	SEP 12	-4.01
DEC 14	+1.07	AUG 15	+0.30	AUG 26	-2.99	MAR 05, 1974	-7.75
MAR 21, 1961	+1.09	SEP 26	-0.74	MAR 01, 1967	-3.47	AUG 27	-4.04
DEC 22	+0.90	OCT 31	-1.02	AUG 23	-3.54	MAR 20, 1975	-4.99
MAR 15, 1962	+1.10	DEC 18	-1.99	MAR 05, 1968	-4.39	AUG 26	-4.25
MAY 23	+1.65	MAR 04, 1964	-1.71	AUG 23	-4.37	MAR 02, 1976	-4.74
JUN 28	+1.35	MAY 28	-0.96	MAR 06, 1969	-4.99	AUG 31	-5.18
JUL 26	+1.05	JUL 30	-1.50	AUG 20	-4.42	MAR 02, 1977	-6.58

(C-17- 7)16CCC- 1 -- CONTINUED

AUG 29, 1977	-6.78	MAR 06, 1979	-10.01	MAR 05, 1980	-12.77	SEP 15, 1981	-7.35
MAR 02, 1978	-8.85	JUN 20	-6.89	AUG 26	-9.65	MAR 04, 1982	-6.99
AUG 30	-9.27	AUG 30	-10.24	MAR 10, 1981	-8.49		

(C-17- 7)20CBB- 1 ALT. 4592.4

JUL 29, 1936	+5.40	MAR 27, 1945	+6.10	MAR 21, 1961	+3.75	MAR 01, 1967	-2.11
SEP 19	+5.40	NOV 29	+6.00	MAR 15, 1962	+3.83	AUG 23	-3.02
NOV 13	+5.50	MAR 12, 1946	+6.20	MAY 23	+3.31	MAR 05, 1968	-2.93
FEB 13, 1937	+5.70	DEC 06	+6.00	JUL 02	+2.85	AUG 28	-3.71
MAR 25	+5.90	MAR 18, 1947	+6.10	18	+2.67	MAR 06, 1969	-4.49
MAY 18	+5.70	DEC 04	+6.20	AUG 27	+2.21	AUG 20	-2.06
AUG 25	+5.30	MAR 09, 1948	+6.00	SEP 26	+2.06	MAR 04, 1970	-3.95
OCT 04	+5.40	NOV 30	+5.90	OCT 17	+2.02	AUG 26	-4.60
NOV 29	+5.60	MAR 29, 1949	+5.90	NOV 27	+2.08	MAR 04, 1971	-3.15
FEB 15, 1938	+5.90	DEC 06	+5.50	DEC 22	+2.12	AUG 24	-0.83
APR 23	+6.10	APR 01, 1950	+6.00	MAR 06, 1963	+2.22	MAR 17, 1972	-2.82
JUN 30	+5.90	DEC 05	+5.60	APR 23	+2.21	SEP 12	-4.26
AUG 31	+5.40	DEC 04, 1951	+6.00	MAY 20	+2.09	MAR 02, 1973	-3.79
OCT 26	+5.40	APR 02, 1952	+5.90	JUN 27	+1.79	SEP 12	-5.54
DEC 15	+5.40	NOV 24	+5.60	AUG 15	+1.11	MAR 05, 1974	-3.28
APR 20, 1939	+6.00	MAR 25, 1953	+5.20	OCT 31	+0.45	AUG 27	-6.09
AUG 11	+5.40	DEC 02	+5.70	DEC 18	+0.76	MAR 05, 1975	-4.77
DEC 19	+5.80	DEC 01, 1954	+4.90	JAN 28, 1964	+0.79	AUG 26	-6.23
APR 29, 1940	+6.00	APR 14, 1955	+4.70	MAR 07	+0.88	MAR 03, 1976	-4.57
DEC 11	+5.90	NOV 29	+5.10	MAY 01	+0.97	AUG 31	-7.97
MAR 25, 1941	+6.00	OCT 09, 1956	+4.10	28	+1.21	MAR 02, 1977	-6.49
NOV 27	+6.00	DEC 04	+4.90	JUL 30	+0.07	AUG 30	-8.46
MAR 12, 1942	+6.00	MAR 21, 1957	+5.00	AUG 27	-0.14	MAR 02, 1978	-8.24
JUL 21	+6.45	DEC 04	+4.60	DEC 16	-0.37	AUG 31	-11.10
DEC 02	+6.20	MAR 28, 1958	+4.75	MAR 08, 1965	-0.21	MAR 06, 1979	-9.33
MAR 16, 1943	+6.20	DEC 10	+4.25	JUN 17	-0.39	APR 10, 1980	-11.00
DEC 02	+6.10	DEC 02, 1959	+3.65	AUG 26	-1.23	AUG 26	-19.23
MAR 09, 1944	+6.00	MAR 07, 1960	+4.42	MAR 14, 1966	-1.03	MAR 10, 1981	-9.74
NOV 23	+5.60	DEC 14	+3.67	AUG 26	-2.25	MAR 04, 1982	-7.0

(C-17- 7)25DAA- 1 ALT. 4604

OCT 18, 1935	+3.90	JUN 09, 1939	+4.50	MAY 20, 1963	+3.56	AUG 27, 1968	-2.10
NOV 29	+4.12	AUG 11	+4.20	JUN 27	+3.20	MAR 06, 1969	-0.36
FEB 05, 1936	+4.24	DEC 19	+4.92	AUG 13	+1.89	MAR 03, 1970	+6.14
APR 15	+4.23	APR 29, 1940	+4.80	SEP 24	+0.85	AUG 24	+0.29
JUN 14	+4.11	DEC 10	+5.23	OCT 31	+0.26	MAR 03, 1971	+2.13
JUL 29	+4.07	MAR 25, 1941	+4.90	DEC 17	+0.79	AUG 24	+0.97
SEP 20	+3.93	NOV 27	+5.80	JAN 27, 1964	+0.18	MAR 02, 1972	+2.22
NOV 12	+4.27	JUL 21, 1942	+5.50	MAR 07	+0.08	SEP 11	-1.99
FEB 12, 1937	+4.45	DEC 02	+5.20	11	+0.04	MAR 01, 1973	+0.11
MAR 25	+4.49	MAR 16, 1943	+5.60	APR 30	+1.71	SEP 12	+0.29
MAY 18	+4.50	DEC 02	+5.50	MAY 28	+2.68	MAR 05, 1974	+1.40
AUG 25	+4.75	MAR 09, 1944	+5.32	JUL 30	+1.25	AUG 28	-2.34
NOV 05	+4.32	NOV 23	+6.50	AUG 26	+0.47	MAR 05, 1975	+0.12
29	+5.00	NOV 29, 1945	+6.90	SEP 28	-0.36	AUG 26	-1.49
FEB 15, 1938	+5.18	SEP 05, 1962	+2.97	DEC 15	+0.35	MAR 02, 1976	+0.13
APR 22	+5.00	24	+2.58	MAR 09, 1965	+1.66	AUG 30	-3.60
JUN 30	+5.40	OCT 27	+2.33	JUN 15	+1.87	MAR 01, 1977	-0.93
AUG 31	+4.50	NOV 09	+2.18	AUG 26	-0.17	MAR 06, 1979	-1.78
OCT 26	+4.75	26	+2.16	MAR 08, 1966	+1.45	MAR 04, 1980	-4.85
DEC 15	+4.40	DEC 21	+2.35	MAR 02, 1967	+0.57		
FEB 25, 1939	+4.85	MAR 07, 1963	+2.96	AUG 24	-1.38		
APR 19	+4.95	APR 23	+3.41	MAR 02, 1968	-0.21		

(C-17- 7)28CCC- 3 ALT. 4588

AUG 02, 1962	+2.15	MAR 06, 1969	+0.94	AUG 27, 1974	+0.92	MAR 06, 1979	-2.83
MAR 07, 1963	+2.88	MAR 03, 1970	+1.24	MAR 05, 1975	+0.09	JUN 20	-2.49
MAR 06, 1964	+2.23	MAR 04, 1971	+1.66	AUG 26	+0.86	AUG 31	-3.65
AUG 27	+2.09	AUG 24	+1.26	MAR 02, 1976	+1.05	MAR 05, 1980	-4.61
MAR 08, 1965	+1.59	MAR 02, 1972	+1.81	AUG 31	+0.38	AUG 26	-4.96
AUG 26	+1.18	SEP 13	+1.13	MAR 02, 1977	-0.35	MAR 10, 1981	-3.32
MAR 05, 1966	+1.28	MAR 02, 1973	+1.48	AUG 29	-1.44	SEP 15	-3.58
MAR 03, 1967	+0.89	SEP 12	+0.97	MAR 02, 1978	-1.54	MAR 04, 1982	-1.94
MAR 02, 1968	+0.73	MAR 05, 1974	+1.55	AUG 31	-2.49		

(C-17- 7)32BCB- 1 ALT. 4582

AUG 02, 1962	+2.88	MAR 05, 1968	+2.17	AUG 24, 1972	+2.19	AUG 31, 1976	+1.57
MAR 06, 1963	+3.19	MAR 06, 1969	+1.00	MAR 02, 1973	+2.28	MAR 02, 1977	+1.27
AUG 27, 1964	+2.45	AUG 20	+1.69	SEP 12	+2.05	AUG 30	+1.07
MAR 08, 1965	+2.67	MAR 04, 1970	+1.73	MAR 05, 1974	+2.20	MAR 02, 1978	+0.77
AUG 26	+2.33	AUG 26	+1.82	AUG 27	+1.99	AUG 31	+0.17
MAR 14, 1966	+2.28	MAR 04, 1971	+2.38	MAR 05, 1975	+1.10	MAR 06, 1979	-0.23
MAR 01, 1967	+2.46	AUG 24	+2.12	AUG 26	+1.97	JUN 20	-0.09
AUG 24	+2.10	MAR 02, 1972	+2.48	MAR 03, 1976	+1.84	AUG 31	-0.72

(C-17- 7)35BBB- 1 ALT. 4595

MAR 06, 1964	+6.83	AUG 19, 1969	+1.18	AUG 28, 1974	-0.85	JUN 20, 1979	-3.53
MAR 09, 1965	+6.04	MAR 03, 1970	+3.89	MAR 06, 1975	+2.48	AUG 31	-9.84
AUG 26	+4.36	AUG 25	+2.63	AUG 25	+0.08	MAR 05, 1980	-6.73
MAR 08, 1966	+5.75	MAR 03, 1971	+4.82	MAR 02, 1976	+1.96	AUG 26	-7.90
AUG 26	+3.17	AUG 24	+3.88	AUG 31	-3.19	MAR 10, 1981	-1.27
MAR 01, 1967	+3.78	MAR 02, 1972	+5.69	MAR 02, 1977	-0.34	SEP 15	-5.67
AUG 24	+2.23	SEP 13	+1.77	AUG 29	-5.58	MAR 04, 1982	-0.12
MAR 02, 1968	+1.96	MAR 02, 1973	+2.42	MAR 02, 1978	-3.52		
AUG 27	+1.34	SEP 12	+2.60	AUG 31	-8.99		
MAR 06, 1969	+3.21	MAR 05, 1974	+4.00	MAR 06, 1979	-2.97		

(C-17- 8) 5AAA- 1 ALT. 4577

OCT 20, 1961	-7.88	AUG 23, 1967	-16.84	SEP 12, 1972	-17.25	AUG 30, 1977	-18.36
JUL 27, 1962	-8.43	MAR 05, 1968	-16.95	MAR 02, 1973	-16.27	MAR 02, 1978	-16.09
MAR 06, 1963	-9.12	AUG 26	-18.20	SEP 13	-15.72	31	-20.84
MAR 06, 1964	-10.14	MAR 07, 1969	-15.62	MAR 06, 1974	-13.13	MAR 06, 1979	-15.90
AUG 24	-10.13	AUG 21	-16.29	AUG 27	-14.54	AUG 30	-20.78
MAR 08, 1965	-12.12	MAR 04, 1970	-14.01	MAR 06, 1975	-13.95	MAR 11, 1980	-15.29
AUG 26	-15.19	AUG 26	-16.16	AUG 26	-16.42	AUG 26	-14.42
MAR 04, 1966	-14.02	MAR 04, 1971	-13.31	MAR 02, 1976	-14.84	MAR 10, 1981	-12.81
AUG 25	-15.21	AUG 24	-14.22	AUG 31	-16.32	SEP 15	-12.36
MAR 01, 1967	-15.38	MAR 02, 1972	-12.43	MAR 02, 1977	-15.14	MAR 05, 1982	-11.28

(C-17- 8) 9BBB- 1 ALT. 4578

JUL 27, 1962	-3.90	MAR 05, 1968	-12.77	MAR 02, 1973	-10.87	MAR 02, 1978	-11.52
MAR 06, 1963	-5.24	AUG 26	-12.21	SEP 13	-10.43	AUG 31	-14.05
MAR 06, 1964	-6.23	MAR 07, 1969	-11.18	MAR 06, 1974	-8.90	MAR 06, 1979	-11.36
AUG 24	-5.97	AUG 21	-10.25	AUG 27	-9.12	AUG 30	-13.13
MAR 08, 1965	-7.74	MAR 03, 1970	-9.77	MAR 06, 1975	-9.66	MAR 11, 1980	-11.05
AUG 26	-9.52	AUG 26	-10.20	AUG 26	-10.42	AUG 26	-10.15
MAR 04, 1966	-9.69	MAR 04, 1971	-9.12	MAR 02, 1976	-10.34	MAR 10, 1981	-8.90
AUG 26	-10.01	AUG 24	-8.88	AUG 31	-10.87	SEP 15	-8.23
MAR 01, 1967	-10.84	MAR 02, 1972	-8.27	MAR 02, 1977	-10.74	MAR 05, 1982	-7.59
AUG 23	-11.08	SEP 12	-10.41	AUG 30	-12.14		

(C-17- 8)11BBC- 1 ALT. 4585

MAY 28, 1964	-30.33	MAR 04, 1970	-22.88	MAR 05, 1975	-23.90	JUN 20, 1979	-27.62
JUN 23	-24.18	MAR 04, 1971	-21.27	AUG 26	-47.02	AUG 30	-30.78
DEC 16	-26.73	AUG 24	-30.69	JAN 19, 1976	-26.40	MAR 05, 1980	-24.22
MAR 08, 1965	-20.93	MAR 02, 1972	-20.73	MAR 02	-24.74	AUG 26	-23.08
MAR 04, 1966	-23.41	SEP 12	-41.10	MAR 02, 1977	-25.47	MAR 10, 1981	-21.12
MAR 02, 1967	-25.24	MAR 02, 1973	-27.53	AUG 30	-37.25	SEP 15	-20.42
MAR 05, 1968	-27.59	SEP 13	-25.57	MAR 02, 1978	-25.92	MAR 04, 1982	-19.06
MAR 07, 1969	-24.62	MAR 05, 1974	-21.26	AUG 30	-39.79		
AUG 20	-46.56	AUG 27	-36.78	MAR 06, 1979	-24.56		

(C-17- 8)12BCB- 1 ALT. 4584

JUL 26, 1962	-5.84	AUG 23, 1967	-7.61	MAR 02, 1972	-6.63	AUG 31, 1976	-7.33
MAR 06, 1963	-6.28	MAR 05, 1968	-8.18	SEP 12	-6.49	MAR 02, 1977	-8.27
MAR 06, 1964	-7.15	AUG 22	-7.89	MAR 02, 1973	-7.11	AUG 30	-8.34
AUG 27	-7.03	MAR 07, 1969	-8.14	SEP 13	-6.79	MAR 02, 1978	-8.96
MAR 08, 1965	-7.75	AUG 20	-7.69	MAR 05, 1974	-6.84	AUG 30	-8.97
AUG 26	-7.49	MAR 04, 1970	-7.67	AUG 27	-6.46	MAR 06, 1979	-8.9
MAR 02, 1966	-7.56	AUG 20	-7.05	MAR 05, 1975	-7.15	JUN 20	-8.20
AUG 26	-7.36	MAR 04, 1971	-6.79	AUG 26	-7.11	AUG 21	-8.98
MAR 02, 1967	-7.86	AUG 24	-6.24	MAR 02, 1976	-7.54	MAR 05, 1980	-9.15

(C-17- 8)12BCB- 1 -- CONTINUED

AUG 26, 1980	-7.05	MAR 10, 1981	-8.89	SEP 15, 1981	-5.16	MAR 04, 1982	-5.68

(C-17- 8)13CDD- 1 ALT. 4581

APR 14, 1955	+5.72	SEP 26, 1963	+3.68	AUG 20, 1969	+0.49	OCT 23, 1979	-3.63
NOV 29	+5.43	OCT 31	+3.69	MAR 04, 1970	+0.69	NOV 20	-3.61
OCT 09, 1956	+5.10	DEC 18	+3.51	MAR 03, 1971	+0.95	DEC 19	-3.48
MAR 21, 1957	+5.15	JAN 28, 1964	+3.72	AUG 24	+1.03	JAN 21, 1980	-3.40
DEC 04	+5.30	MAR 26	+3.54	MAR 02, 1972	+1.41	FEB 12	-3.37
DEC 10, 1958	+6.40	MAY 01	+3.54	SEP 12	+1.17	MAR 05	-3.25
DEC 02, 1959	+4.60	28	+3.98	MAR 02, 1973	+1.27	31	-3.05
MAR 07, 1960	+5.63	JUL 30	+2.89	SEP 13	+0.95	MAY 19	-2.90
DEC 04	+4.50	AUG 27	+2.42	MAR 05, 1974	+1.22	JUN 17	-3.27
MAR 21, 1961	+5.15	SEP 28	+2.45	AUG 27	+0.92	JUL 23	-3.58
DEC 22	+4.10	DEC 16	+2.57	MAR 06, 1975	+0.98	AUG 26	-4.13
MAR 15, 1962	+4.08	MAR 08, 1965	+2.53	AUG 26	+0.80	OCT 24	-4.02
MAY 23	+4.25	JUN 17	+2.37	MAR 03, 1976	+0.99	NOV 25	-3.68
JUL 02	+3.98	JUL 27	+2.09	AUG 31	+0.03	DEC 30	-3.35
SEP 26	+3.49	AUG 26	+2.02	MAR 02, 1977	+0.36	JAN 30, 1981	-2.94
OCT 17	+4.32	JAN 08, 1966	+2.22	AUG 30	-0.28	FEB 26	-2.69
NOV 29	+4.52	MAR 02	+2.27	MAR 02, 1978	-0.75	MAR 10	-2.65
DEC 21	+4.50	AUG 26	+1.46	AUG 30	-2.10	APR 23	-2.12
MAR 06, 1963	+4.31	MAR 02, 1967	+1.49	MAR 06, 1979	-2.05	MAY 21	-1.92
APR 23	+5.00	AUG 23	+1.23	JUN 20	-2.17	JUL 01	-1.96
MAY 20	+5.12	MAR 05, 1968	+1.07	JUL 26	-2.70	SEP 15	-2.40
JUN 27	+4.92	MAR 06, 1969	+0.55	AUG 21	-3.12	MAR 04, 1982	-1.08

(C-17- 8)16DDD- 1 ALT. 4566

AUG 20, 1963	+0.65	AUG 23, 1967	-3.42	MAR 02, 1972	-1.95	MAR 02, 1976	-3.23
MAR 06, 1964	-0.33	MAR 05, 1968	-4.62	SEP 12	-2.29	AUG 31	-3.14
AUG 27	-0.14	AUG 26	-4.25	MAR 02, 1973	-3.65	MAR 02, 1977	-3.78
MAR 08, 1965	-1.58	MAR 06, 1969	-4.80	SEP 13	-3.02	AUG 30	-3.81
AUG 26	-1.98	MAR 04, 1970	-3.35	MAR 05, 1974	-2.47	MAR 02, 1978	-3.81
MAR 02, 1966	-2.62	AUG 20	-3.68	AUG 27	-2.04	AUG 30	-3.75
AUG 26	-2.69	MAR 04, 1971	-2.74	MAR 06, 1975	-2.66	MAR 06, 1979	-3.80
MAR 02, 1967	-3.68	AUG 24	-2.11	AUG 26	-2.53		

(C-18- 5)16BBC- 1 ALT. 4715

DEC 08, 1959	-38.27	MAR 16, 1962	-38.82	MAR 01, 1965	-39.75	SEP 18, 1974	-38.72
FEB 04, 1960	-38.37	MAY 02	-38.90	AUG 23	-39.82	MAR 03, 1975	-38.23
MAR 29	-38.37	JUN 20	-38.96	AUG 25, 1966	-40.32	SEP 15	-37.72
MAY 23	-38.38	AUG 20	-38.93	MAR 13, 1967	-40.57	MAR 01, 1976	-41.21
JUN 13	-38.44	OCT 18	-38.86	AUG 21	-40.80	OCT 05	-38.60
JUL 12	-38.45	MAR 05, 1963	-38.97	MAR 11, 1968	-41.02	MAR 01, 1977	-38.52
AUG 03	-38.48	APR 24	-39.00	AUG 26	-41.25	SEP 13	-38.99
SEP 12	-38.44	JUN 28	-39.03	MAR 18, 1969	-41.55	MAR 06, 1978	-39.78
OCT 04	-38.45	AUG 15	-39.06	AUG 12	-41.76	SEP 26	-37.59
NOV 18	-38.43	OCT 28	-39.13	MAR 17, 1970	-41.91	MAR 01, 1979	-37.62
DEC 14	-38.49	JAN 27, 1964	-39.24	MAR 19, 1971	-41.59	SEP 05	-37.97
JAN 23, 1961	-38.52	MAR 12	-39.20	MAR 13, 1972	-40.70	MAR 03, 1980	-37.99
MAR 20	-38.52	APR 30	-39.28	SEP 15	-40.30	MAR 11, 1981	-38.02
MAY 09	-38.59	JUL 27	-39.45	MAR 05, 1973	-40.10	SEP 23	-38.93
JUN 29	-38.68	AUG 25	-39.52	SEP 15	-39.62		
AUG 08	-38.77	SEP 29	-39.54	MAR 04, 1974	-39.69		

(C-18- 6) 2BBB- 2 ALT. 4593

JUN 29, 1962	+8.60	AUG 27, 1968	+10.20	SEP 12, 1973	+8.30	AUG 31, 1978	+2.79
MAR 05, 1963	+11.40	MAR 06, 1969	+8.60	MAR 05, 1974	+10.00	MAR 06, 1979	+7.45
MAR 03, 1964	+9.80	AUG 19	+6.30	AUG 28	+4.94	JUN 19	+7.00
AUG 26	+9.90	MAR 03, 1970	+9.80	MAR 06, 1975	+8.30	AUG 28	+3.84
MAR 04, 1965	+10.20	AUG 25	+7.20	AUG 26	+8.33	MAR 05, 1980	+5.38
AUG 26	+13.90	MAR 03, 1971	+3.80	MAR 02, 1976	+8.80	AUG 26	+4.79
MAR 15, 1966	+9.70	AUG 24	+9.20	AUG 30	+5.62	MAR 25, 1981	+8.60
MAR 02, 1967	+9.20	MAR 01, 1972	+10.00	MAR 01, 1977	+8.40	SEP 15	+9.70
AUG 22	+10.70	SEP 11	+6.60	AUG 29	+3.24	MAR 04, 1982	+8.9
MAR 01, 1968	+7.80	MAR 01, 1973	+8.60	MAR 02, 1978	+6.44		

(C-18- 6) 6ABA- 2 ALT. 4593

MAR 15, 1966	+19.00	MAR 03, 1971	+22.50	MAR 02, 1976	+14.40	MAR 04, 1981	+8.66
MAR 02, 1967	+19.50	MAR 02, 1972	+22.40	MAR 01, 1977	+11.10	SEP 15	-28.77 S
MAR 02, 1968	+17.30	MAR 01, 1973	+15.30	MAR 02, 1978	+4.02		
MAR 06, 1969	+18.40	MAR 05, 1974	+13.40	MAR 06, 1979	+7.09		
MAR 03, 1970	+20.20	MAR 06, 1975	+11.50	MAR 05, 1980	-0.46		

(C-18- 6) 8CBB- 1 ALT. 4585

AUG 21, 1961	+6.82	APR 30, 1964	+6.20	SEP 13, 1972	+4.29	MAR 05, 1980	+1.61
MAR 15, 1962	+6.95	MAY 28	+6.30	MAR 01, 1973	+4.76	31	+2.41
MAY 23	+7.43	JUL 30	+5.97	SEP 12	+4.81	MAY 19	+3.10
JUN 29	+7.37	AUG 27	+5.57	MAR 05, 1974	+5.32	JUN 17	+2.93
AUG 06	+6.90	SEP 28	+5.16	AUG 28	+3.52	JUL 23	+2.71
27	+6.72	DEC 16	+4.99	MAR 06, 1975	+3.99	AUG 26	+2.14
SEP 24	+6.43	MAR 09, 1965	+5.49	AUG 26	+4.03	SEP 25	+1.64
OCT 17	+6.27	JUN 15	+5.91	MAR 02, 1976	+4.49	OCT 24	+1.44
NOV 26	+6.19	AUG 25	+4.99	AUG 30	+4.13	NOV 26	+2.01
DEC 22	+6.13	MAR 15, 1966	+4.86	MAR 01, 1977	+3.69	DEC 30	+2.56
MAR 05, 1963	+6.27	MAR 02, 1967	+4.78	AUG 29	+1.93	JAN 30, 1981	+3.05
APR 23	+6.65	AUG 22	+4.50	MAR 02, 1978	+2.58	FEB 26	+3.41
MAY 20	+6.80	MAR 02, 1968	+4.64	AUG 31	+1.09	MAR 04	+3.54
JUN 27	+6.94	MAR 06, 1969	+4.80	MAR 06, 1979	+2.98	APR 23	+4.05
AUG 13	+6.45	AUG 19	+4.47	JUN 19	+2.98	MAY 21	+4.14
SEP 24	+5.79	MAR 03, 1970	+5.06	AUG 22	+1.31	SEP 15	+4.98
OCT 31	+5.46	AUG 25	+4.72	28	+1.29	MAR 04, 1982	+3.87
DEC 17	+5.43	MAR 03, 1971	+5.43	OCT 23	-0.70		
JAN 28, 1964	+5.65	AUG 24	+5.28	NOV 20	-0.89		
MAR 03	+5.91	MAR 02, 1972	+5.77	JAN 21, 1980	+0.29		

(C-18- 6) 8CBB-2 ALT. 4585

MAY 21, 1980	-4.71	SEP 25, 1980	-5.11	JAN 30, 1981	-5.10	SEP 15, 1981	-4.75
JUN 25	-3.48	OCT 24	-5.28	FEB 26	-5.09	MAR 04, 1982	-4.83
JUL 23	-5.63	NOV 26	-5.14	MAR 04	-5.09		
AUG 26	-5.47	DEC 30	-5.10	APR 23	-4.72		

(C-18- 7) 5DCD- 1 ALT. 4583

AUG 08, 1962	+8.60	AUG 24, 1967	+5.60	MAR 02, 1972	+5.72	AUG 31, 1976	+2.77
MAR 07, 1963	+8.67	MAR 02, 1968	+4.99	SEP 13	+4.79	MAR 02, 1977	+2.40
MAR 09, 1964	+7.68	AUG 29	+4.90	MAR 02, 1973	+4.92	AUG 30	+1.67
AUG 27	+7.47	MAR 07, 1969	+4.57	SEP 11	+4.26	MAR 02, 1978	+1.10
MAR 10, 1965	+6.88	AUG 20	+4.18	MAR 05, 1974	+4.98	AUG 31	+1.06
AUG 26	+7.08	MAR 03, 1970	+4.68	AUG 28	+4.08	MAR 06, 1979	+0.54
MAR 14, 1966	+6.84	AUG 25	+4.46	MAR 05, 1975	+3.67	JUN 20	+0.90
AUG 26	+6.94	MAR 04, 1971	+5.45	AUG 25	+3.57	MAR 05, 1980	-0.27
MAR 02, 1967	+5.92	AUG 24	+4.75	MAR 02, 1976	+3.86		

(C-18- 7)17DDA- 1 ALT. 4581

OCT 31, 1963	+10.70	AUG 20, 1969	+5.38	MAR 05, 1974	+7.50	AUG 31, 1978	+3.46
MAR 07, 1964	+10.68	MAR 04, 1970	+7.22	AUG 28	+7.09	MAR 06, 1979	+2.81
MAR 10, 1965	+8.21	AUG 26	+7.20	MAR 20, 1975	+6.38	AUG 22	+2.45
MAR 14, 1966	+9.28	MAR 04, 1971	+7.25	AUG 25	+6.49	MAR 11, 1980	+0.95
MAR 03, 1967	+8.78	AUG 24	+7.50	MAR 02, 1976	+6.31	AUG 26	+0.42
AUG 24	+8.50	MAR 02, 1972	+8.00	AUG 31	+5.85	MAR 06, 1981	+1.98
MAR 02, 1968	+6.88	SEP 13	+7.68	MAR 02, 1977	+5.02	SEP 15	+1.96
AUG 29	+3.30	MAR 02, 1973	+7.28	AUG 30	+4.85	MAR 04, 1982	+2.28
MAR 07, 1969	+7.75	SEP 12	+7.50	MAR 02, 1978	+3.76		

(C-18- 7)20ACD- 1 ALT. 4575

SEP 29, 1954	+5.00	MAR 07, 1969	+3.15	SEP 12, 1973	+2.94	MAR 02, 1978	+1.68
AUG 06, 1962	+4.36	AUG 20	+3.98	MAR 05, 1974	+3.88	AUG 31	+2.44
MAR 08, 1963	+3.65	MAR 03, 1970	+2.73	AUG 28	+4.08	MAR 06, 1979	+2.26
MAR 07, 1964	+3.65	AUG 26	+2.23	MAR 05, 1975	+3.64	MAR 11, 1980	+1.50
MAR 10, 1965	+2.92	MAR 04, 1971	+3.04	AUG 25	+3.65	AUG 26	+0.42
MAR 14, 1966	+3.61	AUG 24	+3.04	MAR 02, 1976	+3.99	MAR 06, 1981	+1.84
MAR 03, 1967	+2.14	MAR 02, 1972	+3.61	AUG 31	+3.26	SEP 15	+1.72
AUG 24	+1.50	SEP 13	+2.98	MAR 02, 1977	+3.39	MAR 04, 1982	+1.96
MAR 02, 1968	+1.99	MAR 02, 1973	+2.95	AUG 30	+2.67		

(C-18- 8) 1DDD- 1 ALT. 4575

AUG 21, 1963	+6.32	AUG 29, 1968	+3.95	SEP 12, 1973	+4.84	AUG 31, 1978	+2.43
MAR 09, 1964	+6.19	MAR 07, 1969	+4.00	MAR 05, 1974	+4.34	MAR 06, 1979	+2.07
AUG 27	+5.85	AUG 20	+4.87	AUG 28	+3.28	JUN 20	+5.80
MAR 10, 1965	+2.68	MAR 05, 1970	+3.40	MAR 05, 1975	+2.75	AUG 31	+1.68
AUG 26	+2.53	AUG 25	+4.08	AUG 25	+4.86	MAR 05, 1980	+1.38
MAR 14, 1966	+2.02	MAR 04, 1971	+3.87	MAR 02, 1976	+3.83	AUG 26	+1.51
AUG 26	+5.11	AUG 24	+2.77	AUG 31	+4.59	MAR 10, 1981	+1.48
MAR 02, 1967	+3.92	MAR 02, 1972	+4.11	MAR 02, 1977	+4.03	SEP 15	+2.55
AUG 24	+4.69	SEP 13	+5.02	AUG 30	+3.85	MAR 04, 1982	+2.12
MAR 02, 1968	+3.50	MAR 02, 1973	+4.91	MAR 02, 1978	+3.56		

(C-18- 8)13ABA- 1 ALT. 4569.6

AUG 08, 1962	+4.55	MAR 04, 1971	+2.13	MAR 02, 1978	+1.98	AUG 26, 1980	+1.89
MAR 07, 1963	+3.03	AUG 24	+3.01	AUG 31	+1.72	SEP 25	+1.74
MAR 09, 1964	+2.81	MAR 02, 1972	+3.08	MAR 06, 1979	+1.72	OCT 24	+1.38
MAR 10, 1965	+2.55	SEP 13	+3.08	JUN 26	+2.01	NOV 25	+1.19
MAR 14, 1966	+2.47	MAR 02, 1973	+2.97	AUG 31	+1.83	DEC 30	+1.39
AUG 26	+2.19	SEP 12	+2.35	OCT 23	+1.85	JAN 30, 1981	+1.30
MAR 03, 1967	+2.24	MAR 05, 1974	+2.29	DEC 19	+1.50	FEB 26	+1.65
AUG 24	+2.26	AUG 28	+2.67	JAN 21, 1980	+1.50	MAR 06	+1.52
MAR 02, 1968	+2.13	MAR 05, 1975	+2.26	FEB 12	+1.50	APR 23	+1.47
AUG 29	+2.03	AUG 25	+2.24	MAR 05	+1.50	MAY 21	+1.69
MAR 07, 1969	+2.05	MAR 02, 1976	+2.84	31	+1.55	MAR 04, 1982	+2.31
AUG 20	+1.92	AUG 31	+1.97	MAY 19	+1.60		
MAR 03, 1970	+2.08	MAR 02, 1977	+1.88	JUN 06	+1.40		
AUG 25	+2.15	AUG 30	+1.61	JUL 23	+1.39		

(C-18- 8)24ADA- 2 ALT. 4573

AUG 21, 1961	+9.20	AUG 29, 1968	+1.26	MAR 02, 1973	+5.61	AUG 30, 1977	+5.05
MAR 08, 1963	+8.24	MAR 07, 1969	+5.43	SEP 12	+5.64	MAR 02, 1978	+4.92
MAR 09, 1964	+7.63	AUG 20	+3.76	MAR 05, 1974	+5.44	AUG 31	+4.63
MAR 10, 1965	+7.07	MAR 03, 1970	+5.15	AUG 28	+5.40	MAR 06, 1979	+4.40
MAR 14, 1966	+7.06	AUG 26	+5.46	MAR 05, 1975	+5.47	AUG 22	+4.64
AUG 26	+5.54	MAR 04, 1971	+5.63	AUG 25	+5.37	MAR 05, 1980	+5.44
MAR 03, 1967	+6.17	AUG 24	+6.08	MAR 02, 1976	+5.22	MAR 10, 1981	+4.18
AUG 24	+6.20	MAR 02, 1972	+6.30	AUG 30	+5.15	MAR 04, 1982	+4.35
MAR 02, 1968	+5.78	SEP 13	+5.78	MAR 02, 1977	+4.93		

(C-19- 8)27DDB- 1 ALT. 4577

JAN 22, 1971	-5.57	SEP 26, 1974	-6.22	OCT 07, 1977	-6.50	MAR 05, 1980	-6.73
MAR 02	-5.59	MAR 03, 1975	-6.32	MAR 02, 1978	-6.44	AUG 26	-6.81
FEB 29, 1972	-5.86	MAR 01, 1976	-6.35	AUG 31	-6.60	MAR 10, 1981	-6.69
MAR 02, 1973	-5.95	SEP 10	-6.37	MAR 06, 1979	-6.90	SEP 15	-6.68
MAR 04, 1974	-6.14	MAR 01, 1977	-6.43	AUG 22	-6.71	MAR 04, 1982	-6.71

(C-19-10) 7BDA- 1 ALT. 4692

OCT 12, 1951	-215.00	JUN 27, 1963	-189.23	MAR 04, 1975	-188.96	SEP 07, 1978	-188.81
AUG 22, 1961	-189.41	JUL 10	-189.23	AUG 26	-188.97	MAR 06, 1979	-189.00
DEC 22	-189.42	DEC 18	-189.23	MAR 02, 1976	-188.83	AUG 24	-189.08
MAR 15, 1962	-189.21	MAR 26, 1964	-189.18	SEP 22	-188.90	MAR 11, 1980	-188.90
JUL 02	-189.26	OCT 26	-189.22	MAR 02, 1977	-188.77	MAR 03, 1981	-188.93
OCT 13	-189.29	FEB 27, 1965	-189.09	AUG 30	-188.75	SEP 03	-189.71
MAR 25, 1963	-189.34	MAR 02, 1966	-189.14	FEB 28, 1978	-188.75	MAR 16, 1982	-188.89

Location: See explanation of well- and spring-numbering system.
Specific conductance (UMHOS): Micromhos per centimeter at 25°C.

LOCATION	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	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)
(C-11- 4)19BBB-S1	69-05-11	12.0	485	7.6	200	29	46	20	--	--
(C-12- 6)15BAC- 1	65-02-27	--	880	7.7	284	136	70	27	--	--
(C-13- 4)23BCD- 1	64-12-17	--	1820	7.6	620	387	102	89	--	--
(C-13- 6) 9BCC- 1	81-07-14	21.0	1100	--	460	--	98	52	75	13
26BAC- 1	61-08-23	15.5	3280	7.7	800	605	134	113	--	--
	81-07-07	15.0	3370	7.9	760	--	91	130	420	5.7
35ADD- 1	81-07-14	18.5	3000	7.9	880	--	140	130	330	9.8
(C-13- 7)12CDB- 1	81-07-14	14.5	950	8.0	320	--	52	46	59	4.5
(C-14- 4)32DBD- 1	79-08-23	21.0	3200	7.3	790	550	180	82	400	12
	80-06-24	22.0	3000	7.3	840	610	180	95	360	14
(C-14- 5)35CDC- 1	75-07-30	15.5	3700	7.2	1200	1000	250	140	450	32
36CCC- 3	59-03-23	--	2480	7.5	702	501	126	94	--	--
	81-07-01	17.0	3200	--	1000	--	210	120	300	20
(C-14- 7)19DDD- 1	80-08-18	18.0	2100	8.1	370	300	74	44	320	5.6
(C-14- 8)10DCA-S1	27-11-12	--	--	--	1172	1000	440	--	--	703
	38-04-23	79.0	--	--	--	--	440	--	--	--
	57-09-12	86.5	5670	6.6	1090	960	352	51	--	--
	66-05-31	55.0	5910	7.8	1130	1000	361	56	812	67
	67-07-13	82.0	5570	7.3	1140	1010	345	68	816	48
	79-07-27	78.0	6080	6.3	1100	1000	360	54	870	3.3
	80-08-21	75.0	--	--	1100	990	360	52	830	68
13DCC- 1	63-06-29	25.5	1270	8.2	58	0	11	7.3	239	8.4
	81-07-01	21.0	1600	8.3	87	--	20	8.9	320	2.3
25CCC- 1	63-04-26	21.5	2100	6.8	280	230	54	36	--	--
	81-06-30	17.5	2000	7.7	280	--	54	35	330	13
(C-14- 9)27BDB- 1	81-07-15	15.0	1000	--	120	--	24	14	180	8.2
(C-15- 4) 8CBA- 1	58-06-23	14.5	2760	7.5	1130	886	240	129	--	--
	60-05-23	13.5	2780	7.5	1120	872	248	122	--	--
	61-06-02	13.5	2840	7.6	1120	865	260	114	176	6.6
	61-09-01	13.5	2880	7.1	--	--	--	--	--	--
	67-05-10	13.5	3030	7.6	1180	908	244	139	--	--
	69-08-24	13.0	3140	7.6	1150	855	253	126	--	--
	70-08-28	13.5	3120	7.8	1130	842	214	145	--	--
	72-07-11	12.0	3310	7.1	1100	830	250	120	280	8.9
	73-07-09	13.5	3380	7.4	1100	830	250	120	270	8.0
	75-08-27	14.0	--	7.2	830	530	250	51	290	9.2
	76-07-27	13.0	3400	7.3	1200	860	250	130	290	9.7
	79-06-28	13.5	3300	7.1	--	--	--	--	--	--
	80-06-26	14.5	3400	7.3	1200	860	260	130	310	11
11ADD- 1	63-10-08	--	1700	7.4	680	486	164	66	--	--
	64-08-26	18.0	1850	8.0	730	516	178	69	--	--
	81-07-01	15.5	2250	7.0	700	--	160	74	230	6.7
18DAA- 1	58-06-23	17.0	1540	7.7	614	430	134	68	--	--
	67-08-02	16.0	1950	7.6	825	618	176	94	--	--
	68-06-17	16.5	2030	7.9	892	682	198	97	--	--
	72-07-11	14.5	2270	6.9	980	760	210	110	100	9.7
	73-07-19	15.5	2340	7.4	980	760	210	110	100	6.1
	77-06-30	16.5	2540	7.1	1100	850	230	120	120	6.5
	79-06-07	16.0	2800	7.0	1200	930	250	130	160	7.1
	80-06-24	16.0	2900	7.3	1200	980	270	130	150	8.3
19CCC- 1	77-07-20	17.0	390	9.0	160	24	39	16	18	2.4
	79-08-23	18.5	420	7.2	160	31	38	16	17	1.9
19CCC- 2	81-06-29	14.0	4500	7.2	2300	--	420	300	280	14
20CAA- 1	65-06-14	20.5	440	7.5	190	20	42	20	--	--
26DCC- 1	52-08-26	--	--	7.5	190	24	52	14	--	--

DATE OF SAMPLE	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	BORON, DIS- SOLVED (UG/L AS B)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	ARSENIC DIS- SOLVED (UG/L AS AS)
69-05-11	24	--	--	171	19	38	--	13	273	277	--	--
65-02-27	66	--	--	148	31	174	--	24	--	500	--	--
64-12-17	186	--	--	233	345	285	--	51	--	1260	--	--
81-07-14	--	150	730	--	63	220	.4	24	709	--	.02	10
61-08-23	--	--	--	195	547	875	--	61	2080	--	--	--
81-07-07	--	580	10	--	540	720	.7	57	2080	--	2.0	8
81-07-14	--	520	150	--	540	650	.8	48	1970	--	.08	13
81-07-14	--	110	10	--	36	230	.3	49	545	--	1.7	8
79-08-23	410	450	--	240	500	690	.5	36	2050	--	1.2	--
80-06-24	--	440	0	230	430	660	.3	9.3	1890	--	.00	--
75-07-30	--	470	--	186	450	1100	.6	35	2580	--	1.1	--
59-03-23	250	--	--	201	250	555	--	32	--	--	--	--
81-07-01	--	260	160	--	170	870	.4	31	1830	--	.06	12
80-08-18	--	470	40	67	250	560	.7	17	1310	--	.09	88
27-11-12	--	--	--	128	560	1410	--	--	3170	--	--	--
38-04-23	--	--	0	133	700	1440	--	--	--	--	--	--
57-09-12	--	--	0	128	--	1450	--	--	--	--	--	--
66-05-31	--	70	--	125	733	1550	3.0	57	3710	4060	--	--
67-07-13	--	830	--	--	756	1450	4.1	59	3630	--	--	--
79-07-27	--	990	--	120	670	1500	2.6	54	3590	--	.07	21
80-08-21	--	950	350	120	680	1600	2.7	.0	3670	--	.00	22
63-06-29	--	0	--	112	78	280	1.2	20	713	694	--	--
81-07-01	--	470	20	--	230	290	1.2	23	968	--	.01	17
63-04-26	324	--	--	54	283	450	--	17	1200	1230	--	--
81-06-30	--	380	30	--	270	480	.4	16	1240	--	.02	130
81-07-15	--	480	20	--	110	92	.8	13	617	--	.09	10
58-06-23	88	--	--	244	347	505	--	27	1490	--	--	--
60-05-23	169	--	--	248	359	610	--	28	1690	--	--	--
61-06-02	--	0	0	251	369	608	.0	28	1720	--	--	--
61-09-01	--	--	--	253	--	625	--	--	--	--	--	--
67-05-10	241	--	--	272	469	665	--	25	1950	2160	--	--
69-08-24	434	--	--	295	428	960	--	--	--	--	--	--
70-08-28	249	--	--	289	410	677	--	--	1870	1940	--	--
72-07-11	--	280	670	290	470	690	.5	28	2030	--	1.6	--
73-07-09	--	--	--	290	460	710	--	28	2020	2020	--	--
75-08-27	--	--	--	301	470	680	--	28	1960	1970	--	--
76-07-27	--	330	590	303	490	690	.2	27	2080	--	2.0	--
79-06-28	--	--	--	--	--	--	--	--	--	2400	--	--
80-06-26	--	380	560	320	470	690	.4	21	2090	--	1.3	--
63-10-08	105	0	--	194	249	320	--	19	1130	1130	--	--
64-08-26	125	--	--	214	286	345	--	20	1260	1260	--	--
81-07-01	--	240	0	--	340	440	.4	22	1370	--	1.6	8
58-06-23	75	--	--	184	144	308	--	28	878	--	--	--
67-08-02	100	--	--	207	263	395	--	26	1180	1340	--	--
68-06-17	86	--	--	210	278	410	--	--	1200	1490	--	--
72-07-11	--	280	43	215	320	450	.8	29	1370	--	2.1	--
73-07-19	--	--	--	221	320	470	--	29	1380	1380	--	--
77-06-30	--	210	30	220	400	490	.2	27	1540	--	2.5	--
79-06-07	170	290	--	230	410	560	.4	27	1690	--	2.5	--
80-06-24	--	170	30	230	410	600	.7	20	1740	--	2.5	--
77-07-20	--	50	<10	140	16	27	.1	21	223	--	--	--
79-08-23	19	40	--	130	19	44	.2	21	239	--	.89	--
81-06-29	--	210	620	--	1200	1000	.2	39	3340	--	.02	9
65-06-14	21	--	--	--	25	27	--	19	--	250	--	--
52-08-26	27	--	--	166	34	28	.0	12	--	262	--	--

LOCATION	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	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)
(C-15- 4)26DCC- 1	61-09-01	15.5	780	7.7	344	185	97	25	--	--
	67-05-10	15.0	790	7.6	348	184	--	--	--	--
	68-06-17	15.0	850	7.9	380	218	102	--	--	--
	69-06-13	14.0	900	6.5	385	219	103	31	--	--
	70-08-28	15.5	--	--	430	266	114	35	--	--
	72-07-11	14.0	1050	7.1	440	280	120	35	32	1.8
	73-07-09	15.0	970	7.5	420	250	110	35	33	1.8
	74-07-09	15.5	1000	7.7	410	250	110	33	31	1.7
	76-07-27	15.0	1000	--	440	280	120	34	33	1.8
	79-06-07	15.0	950	7.5	--	--	--	--	--	--
	80-08-19	15.0	870	7.7	360	200	98	29	32	1.5
	81-07-01	15.0	840	7.2	410	--	110	32	33	1.8
(C-15- 5) 2DDC- 1	58-06-23	15.5	1020	7.7	362	179	76	42	--	--
	67-05-10	14.5	1350	7.7	396	229	96	38	--	--
	68-06-17	15.0	1430	8.0	532	371	113	61	--	--
	77-06-30	14.5	1800	7.1	670	510	140	77	95	6.4
	78-06-27	14.5	1900	7.4	750	600	160	84	88	7.1
	79-06-07	14.0	2050	7.1	770	620	170	85	110	7.0
13BBC- 1	58-06-23	15.0	950	7.7	334	146	66	41	--	--
	67-05-10	14.5	1230	7.7	468	291	84	63	--	--
	68-06-17	14.0	1260	--	452	452	--	--	--	--
	69-06-09	12.0	1300	7.5	454	278	80	62	--	--
	76-07-27	14.0	1500	7.5	550	380	110	66	84	5.1
	77-06-30	14.5	1530	7.4	550	390	110	67	90	4.8
	78-06-27	14.5	1550	7.4	580	420	110	73	88	5.2
	79-06-07	14.0	1650	7.1	550	390	120	60	95	5.7
26BAA- 1	58-11-04	--	410	7.9	163	17	34	19	--	--
	67-05-10	17.5	395	7.9	164	26	--	--	--	--
	68-06-18	18.0	400	8.0	156	20	32	19	--	--
	72-07-11	16.0	410	7.2	150	19	32	18	23	2.1
	77-06-30	19.0	520	7.7	190	59	40	22	36	2.3
	77-07-20	18.5	540	--	190	53	39	23	39	2.4
	79-08-23	19.0	600	7.1	180	54	39	21	36	2.2
26BAA- 2	81-07-60	14.0	700	8.1	250	--	50	31	50	3.4
27DCC- 1	69-10-22	21.0	385	7.5	128	0	19	19	--	--
	77-05-03	22.0	440	--	150	24	31	17	33	2.2
27DCC- 2	81-07-06	14.0	540	8.2	210	--	41	26	37	2.8
32CDB -1	68-05-17	--	410	7.6	200	61	32	28	41	16
33DCB- 1	61-09-27	21.0	450	7.8	143	7	31	16	--	--
	62-08-21	21.5	510	7.5	161	36	31	20	42	2.3
	79-08-21	--	445	8.1	140	0	29	16	34	2.1
33DCB- 2	81-07-07	14.0	520	--	200	--	32	28	33	3.1
(C-15- 6)19BCC- 1	81-04-12	18.0	460	8.2	93	--	19	11	54	4.0
19CAC- 1	61-08-23	15.0	760	7.8	166	0	30	22	--	--
	80-08-18	15.5	750	--	160	4	23	26	98	5.7
(C-15-7)32DCD- 1	81-07-08	14.0	26800	--	3700	--	330	690	7100	71
35ABB- 1	79-08-22	14.5	680	--	130	0	19	21	82	5.1
36CBB- 2	61-09-27	15.5	520	8.2	128	5	30	13	--	--
	80-08-20	15.5	510	--	120	12	24	15	56	4.2
(C-15- 8) 8CAC- 1	63-03-17	14.5	1590	7.4	52	0	12	5.4	--	--
	81-06-30	22.0	1500	--	45	--	10	4.9	320	1.3
29CCC- 1	63-03-07	11.5	880	7.7	28	0	8.0	1.9	--	--
	81-06-30	15.0	860	8.6	22	--	5.0	2.3	190	2.1
(C-16- 3) 8ABD-S1	79-04-24	11.0	165	8.8	69	10	21	3.9	7.7	1.4
(C-16- 4)19DBD- 1	80-08-19	14.5	2030	7.6	870	700	210	85	87	3.8

selected wells and springs--Continued

DATE OF SAMPLE	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	BORON, DIS-SOLVED (UG/L AS B)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ALKA-LINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	ARSENIC DIS-SOLVED (UG/L AS AS)
61-09-01	21	--	--	159	76	81	--	15	516	--	--	--
67-05-10	--	--	--	164	89	82	--	--	--	527	--	--
68-06-17	28	--	--	162	95	92	--	--	507	573	--	--
69-06-13	42	--	--	166	106	106	--	14	564	581	--	--
70-08-28	99	--	--	163	133	106	--	--	478	612	--	--
72-07-11	--	--	14	159	140	110	.6	14	620	--	16	--
73-07-09	--	--	--	165	130	110	--	14	533	--	--	--
74-07-09	--	60	--	158	130	100	.1	13	576	--	14	--
76-07-27	--	40	<10	160	140	110	.1	13	619	--	16	--
79-06-07	--	--	--	--	--	--	--	--	--	605	--	--
80-08-19	--	90	1	160	110	84	.4	13	517	--	12	3
81-07-01	--	40	2	--	140	110	.1	14	566	--	15	3
58-06-23	68	--	--	183	70	180	--	26	573	--	--	--
67-05-10	136	--	--	167	90	305	--	26	792	876	--	--
68-06-17	76	--	--	161	76	325	--	--	747	984	--	--
77-06-30	--	80	190	160	120	440	.2	26	999	--	.02	--
78-06-27	--	80	200	150	110	460	.3	17	1170	--	.03	--
79-06-07	120	90	--	150	150	490	.3	27	1130	--	.01	--
58-06-23	67	--	--	188	58	164	--	26	536	--	--	--
67-05-10	75	--	--	177	89	256	--	26	700	789	--	--
68-06-17	--	--	--	--	--	260	--	--	--	--	--	--
69-06-09	88	--	--	176	71	280	--	29	716	780	--	--
76-07-27	--	60	240	169	98	330	.3	27	823	--	.07	--
77-06-30	--	70	230	160	100	340	.3	27	838	--	.06	--
78-06-27	--	70	220	160	100	350	.4	28	849	--	.09	--
79-06-07	100	40	--	160	130	350	.4	27	885	--	.10	--
58-11-04	26	--	--	146	26	31	--	26	252	--	--	--
67-05-10	23	--	--	138	30	32	--	--	--	233	--	--
68-06-18	22	--	--	136	25	30	--	--	210	257	--	--
72-07-11	--	70	7	135	27	31	.5	25	244	--	.83	--
77-06-30	--	60	<10	130	49	59	.1	24	315	--	.80	--
77-07-20	--	80	<10	140	54	54	.1	25	320	--	--	--
79-08-23	38	60	--	130	55	61	.2	25	321	--	.81	4
81-07-06	--	60	10	--	56	85	.5	32	420	--	.82	7
69-10-22	38	--	--	145	24	28	--	17	232	230	--	--
77-05-03	--	60	--	120	37	43	.2	26	271	--	1.7	--
81-07-06	--	50	1	--	39	38	.3	32	317	--	1.1	6
68-05-17	--	0	0	140	78	60	.0	--	388	--	--	0
61-09-27	41	--	--	136	37	39	--	30	275	--	--	--
62-08-21	--	0	--	125	56	52	.3	26	308	303	--	--
79-08-21	36	60	--	140	33	35	.2	29	265	--	.65	--
81-07-07	--	60	8	--	47	41	.2	34	314	--	1.2	6
81-04-12	--	100	10	--	37	47	.3	36	281	--	.16	18
61-08-23	98	--	--	166	62	105	--	29	438	--	--	--
80-08-18	--	190	20	160	63	120	.4	28	461	--	.09	10
81-07-08	--	5900	230	--	9500	6300	1.1	36	24300	--	.03	480
79-08-22	87	130	--	160	61	76	.5	29	390	--	.03	15
61-09-27	62	--	--	123	55	58	--	38	322	--	--	--
80-08-20	--	100	20	110	59	64	.4	26	315	--	.02	17
63-03-17	316	--	--	118	199	292	--	22	919	920	--	--
81-06-30	--	440	9	--	190	300	1.2	24	924	--	.01	130
63-03-07	183	--	--	178	100	102	--	19	521	525	--	--
81-06-30	--	380	5	--	92	110	1.7	21	536	--	.76	200
79-04-24	9.1	--	<10	59	5.9	7.6	.2	15	<99	--	.09	1
80-08-19	--	170	10	170	440	290	.1	14	1330	--	22	4

LOCATION	DATE OF SAMPLE	TEMPER- ATURE (DEG C)	SPE- CIFIC CON- DUCT- ANCE (UMHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	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)
(C-16- 4)30CAC- 1	80-06-25	14.5	750	7.8	280	57	68	26	54	1.5
	81-07-09	14.0	700	8.0	300	--	75	28	58	1.3
31BCA- 1	80-08-19	13.0	590	7.8	230	1	58	21	33	.9
(C-16- 5) 9AAA- 1	74-08-07	24.5	420	7.6	180	1	40	20	16	2.2
	79-08-21	24.0	400	7.2	150	17	29	18	29	2.0
10BBC-S1	57-09-26	--	2010	7.3	558	405	99	75	--	--
18CAA- 1	61-07-08	20.0	350	7.7	138	0	32	14	--	--
	79-08-21	21.0	340	7.2	130	6	24	16	18	1.8
19CBD- 1	60-10-03	20.0	320	7.5	134	8	24	18	19	1.8
	61-06-02	20.0	325	7.9	136	6	26	18	19	1.7
	61-09-01	20.0	320	7.7	--	--	--	--	--	--
	62-05-18	19.5	330	7.4	130	0	24	17	--	--
	64-07-27	20.0	315	7.7	119	0	--	--	--	--
	65-03-11	19.5	320	7.9	126	0	22	18	--	--
	79-08-21	20.0	340	7.2	120	0	20	16	19	1.7
(C-16- 6)27AAA- 1	79-06-21	24.5	360	--	110	14	21	15	39	2.3
	79-07-29	25.0	375	7.1	--	--	--	--	--	--
34BAD- 2	81-07-01	20.0	315	8.0	120	--	19	18	17	2.5
(C-16- 7) 1DCD- 1	80-08-18	13.0	610	7.9	180	40	26	28	60	4.7
10BAD- 1	61-11-08	18.0	440	8.0	86	0	19	9.2	--	--
	62-11-14	18.0	435	7.8	69	0	17	6.3	--	--
	80-08-18	17.5	445	8.0	80	0	17	9.1	59	4.8
12CCD- 1	80-06-26	16.0	440	8.3	100	0	19	13	50	3.5
24BCA- 1	57-05-06	23.5	425	7.9	60	0	14	5.8	--	--
	58-04-30	--	410	8.1	55	0	14	4.9	--	--
	58-05-02	--	415	8.1	55	0	14	5.1	--	--
	60-05-23	23.5	405	8.2	53	0	14	4.1	--	--
	62-06-28	23.0	440	7.9	73	0	16	8.0	--	--
	64-07-31	22.0	425	7.9	70	0	--	--	--	--
	80-06-26	22.0	420	8.4	72	0	16	7.9	62	2.1
(C-16- 8)22BAD- 2	80-06-25	20.0	640	8.5	17	0	3.9	1.7	130	1.1
26BDB- 2	59-04-22	26.5	840	8.5	36	0	9.6	2.9	--	--
	61-06-02	--	920	8.1	45	0	9.6	5.1	184	1.2
	61-09-01	26.5	910	8.1	--	--	--	--	--	--
	62-05-01	26.0	1040	8.2	61	0	--	--	--	--
	63-04-23	26.0	1050	7.8	54	0	10	6.8	--	--
	64-07-30	26.0	940	8.1	41	0	8.0	5.1	194	1.4
	65-07-16	24.0	930	7.5	48	0	2.6	5.8	--	--
	66-05-12	26.0	930	8.0	42	0	--	--	--	--
	69-06-13	26.0	940	--	44	--	--	--	--	--
	72-07-12	24.0	960	7.6	43	0	7.9	5.6	190	1.9
	74-07-10	26.5	1080	8.4	67	0	11	9.5	210	2.6
	79-06-07	26.5	950	8.4	46	0	9.5	5.4	190	1.9
(C-16-13)23ADC-S1	79-04-23	9.0	770	7.6	250	24	54	29	52	1.7
33DAC-S1	79-04-22	8.0	770	7.8	210	31	40	27	78	1.5
(C-17- 4)16DDA-S1	79-04-24	6.0	900	--	420	91	83	52	28	3.0
(C-17- 6) 6CBD- 1	52-04-03	--	--	8.0	80	0	21	6.2	--	--
	61-08-17	19.0	395	7.7	83	0	19	8.5	--	--
	81-07-01	24.0	390	8.1	86	--	18	9.9	53	2.8
17AAA- 1	63-05-03	28.0	380	7.3	76	0	15	9.2	--	--
	80-06-25	27.5	365	8.2	65	0	13	7.8	50	2.3
26DAA- 2	78-06-26	15.0	1050	7.7	310	120	48	47	100	11
26DAA- 3	62-06-20	24.0	550	7.8	107	0	22	12	--	--
	76-07-27	21.0	680	7.7	140	0	25	18	83	18
	77-06-30	23.5	610	7.7	130	0	24	17	82	14

selected wells and springs--Continued

DATE OF SAMPLE	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	BORON, DIS- SOLVED (UG/L AS B)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	ARSENIC DIS- SOLVED (UG/L AS AS)
80-06-25	--	80	<3	220	51	66	.6	13	412	--	.00	--
81-07-09	--	60	<1	--	62	79	.1	14	476	--	6.0	2
80-08-19	--	70	2	230	22	26	.1	13	330	--	3.9	3
74-08-07	--	--	20	181	9.7	21	.1	16	236	--	.35	--
79-08-21	31	40	--	130	25	45	.2	26	255	--	.56	--
57-09-26	205	--	--	153	265	400	--	30	--	--	--	--
61-07-08	22	0	--	146	10	20	--	29	218	209	--	--
79-08-21	20	30	--	120	14	29	.2	25	203	--	.53	3
60-10-03	--	0	--	126	13	24	.2	24	190	--	--	--
61-06-02	--	0	0	130	13	24	.2	25	192	--	--	--
61-09-01	--	--	--	127	--	22	--	--	--	--	--	--
62-05-18	19	--	--	130	11	22	--	24	186	186	--	--
64-07-27	23	--	--	125	9.1	24	--	--	185	185	--	--
65-03-11	20	--	--	126	7.2	24	--	23	--	188	--	--
79-08-21	21	30	--	120	14	22	.3	25	193	--	.56	3
79-06-21	41	60	--	100	27	28	.3	34	248	--	4.8	--
79-07-29	--	--	--	--	--	--	.3	--	--	--	--	--
81-07-01	--	30	1	--	4.8	16	.3	33	197	--	.59	8
80-08-18	--	80	10	140	56	88	.1	28	377	--	.35	10
61-11-08	59	0	--	112	41	42	--	24	256	256	--	--
62-11-14	68	--	--	116	41	39	.5	23	264	265	--	--
80-08-18	--	100	20	110	41	45	.5	24	267	--	.00	29
80-06-26	--	90	7	110	42	48	1.0	25	268	--	.06	--
57-05-06	68	--	--	123	29	39	--	28	--	--	--	--
58-04-30	72	--	--	125	32	37	--	31	--	--	--	--
58-05-02	72	--	--	123	32	38	--	45	--	--	--	--
60-05-23	71	--	--	125	30	36	--	32	--	--	--	--
62-06-28	67	--	--	122	38	40	--	27	257	257	--	--
64-07-31	67	--	--	120	35	42	--	--	262	262	--	--
80-06-26	--	70	8	120	37	42	.8	27	267	--	.00	--
80-06-25	--	200	<3	180	43	63	.7	26	378	--	.00	--
59-04-22	176	--	--	200	54	115	--	30	508	--	--	--
61-06-02	--	250	0	202	65	128	1.2	30	547	--	--	--
61-09-01	--	--	--	202	--	130	--	--	--	--	--	--
62-05-01	203	--	--	196	82	156	--	--	604	--	--	--
63-04-23	206	--	--	198	77	158	--	29	607	616	--	--
64-07-30	--	280	--	195	65	145	1.8	37	566	552	--	--
65-07-16	191	--	--	194	79	133	--	29	563	548	--	--
66-05-12	185	--	--	192	63	132	--	--	--	555	--	--
69-06-13	--	--	--	--	--	142	--	--	--	--	--	--
72-07-12	--	310	36	197	70	140	1.4	31	567	--	.17	--
74-07-10	--	320	--	194	89	180	1.3	31	651	--	.04	--
79-06-07	--	320	--	190	66	130	1.2	29	--	--	.10	--
79-04-23	54	--	<10	230	26	69	.2	11	<382	--	.29	1
79-04-22	80	--	<10	180	37	100	.2	8.9	<407	--	1.3	<1
79-04-24	31	--	<10	330	22	66	.3	49	<523	--	4.9	1
52-04-03	59	--	--	122	30	38	.0	9.4	239	254	--	--
61-08-17	56	--	--	124	24	38	.2	30	251	241	--	--
81-07-01	--	70	3	--	29	15	.4	31	246	--	.49	12
63-05-03	51	0	--	116	22	33	--	29	227	227	--	--
80-06-25	--	80	<3	110	23	32	1.4	31	227	--	.00	--
78-06-26	--	290	<10	189	110	150	.9	76	669	--	2.9	--
62-06-20	80	--	--	208	27	32	--	42	339	338	--	--
76-07-27	--	290	<10	241	26	38	1.6	53	409	--	.34	--
77-06-30	--	290	<10	230	40	40	1.7	54	412	--	.31	--

LOCATION	DATE OF SAMPLE	TEMPER-ATURE (DEG C)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	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)
(C-17- 6)26DAA- 3	78-06-26	21.0	630	7.6	140	0	27	18	73	18
28ACB- 1	63-05-08	25.0	400	7.8	38	0	8.0	4.4	--	--
	79-08-22	26.0	350	7.0	42	0	9.1	4.8	59	2.0
29CCC- 1	80-06-25	28.0	395	8.2	44	0	10	4.6	73	2.1
29CCC- 2	81-07-07	17.5	360	--	88	--	14	13	38	3.4
(C-17-7) 1DDD- 4	53-07-22	26.0	--	8.1	62	0	14	6.4	--	--
	61-08-17	27.0	450	8.2	63	0	21	2.7	--	--
	81-07-01	27.0	440	8.2	59	--	14	5.8	74	1.8
20CBB- 1	55-04-14	17.0	660	8.4	36	0	7.0	4.6	144	--
	81-07-01	17.0	1450	8.1	170	--	14	32	280	1.9
34CBD- 2	55-04-15	18.5	740	8.6	36	0	6.5	5.0	171	--
	60-05-23	17.5	720	8.7	12	0	4.4	.2	--	--
	61-06-02	--	730	8.5	28	0	3.2	4.9	174	.7
	61-09-01	20.0	730	8.5	--	--	--	--	--	--
	64-07-30	19.0	720	8.3	14	0	--	--	--	--
	65-03-08	21.5	730	8.5	14	0	4.4	.7	--	--
	81-06-29	15.0	710	8.6	14	--	3.4	1.4	170	.8
(C-17- 8)11BBC- 1	64-07-30	26.5	4610	7.9	235	110	50	27	--	--
(C-17- 9) 5ADB- 1	81-07-14	16.0	14800	--	1100	--	170	170	3000	20
30AAB- 1	81-07-07	14.0	22500	8.2	1800	--	240	290	4600	49
(C-18- 4) 4DDD-S1	79-04-24	9.0	590	7.2	310	28	77	28	8.0	.8
(C-18- 6) 2BBB- 2	80-08-19	16.5	580	7.9	150	0	25	21	67	16
6ABA- 2	65-06-18	27.0	435	7.8	36	0	8.8	3.4	--	--
	75-07-23	27.5	400	8.3	40	0	8.6	4.5	81	1.7
	77-06-30	28.0	400	8.1	33	0	7.7	3.3	88	1.6
	78-06-26	28.0	430	7.8	40	0	9.3	4.0	84	1.8
	79-06-07	27.5	450	7.3	45	0	12	3.7	83	2.1
	80-06-25	27.5	430	8.2	32	0	7.4	3.4	83	1.9
8CBB- 1	61-08-21	17.0	440	7.9	62	0	18	4.4	--	--
	80-08-19	16.5	405	8.0	58	0	13	6.3	69	10
(C-18- 7)20ABB- 1	55-04-15	17.0	1590	8.3	44	0	5.5	7.4	341	--
	57-12-04	19.0	1600	8.3	25	0	5.2	2.9	--	--
	81-06-30	15.0	1600	9.1	24	--	5.6	2.4	350	1.3
(C-18- 8) 1DDD- 1	80-08-19	14.5	2200	8.6	11	0	2.0	1.5	540	1.2
24ADA- 2	61-08-21	25.5	3820	8.0	120	0	22	16	--	--
	79-08-22	23.0	--	--	99	--	20	12	800	3.1
	81-07-01	25.0	3500	8.0	92	--	17	12	660	3.1
(C-18-10)25CAD- 1	81-07-16	14.0	34000	7.4	6300	--	970	950	5200	83
(C-20- 7) 3D -S1	09-09-13	--	--	--	--	--	77	--	209	--
	43-04-11	--	1990	--	565	370	98	78	221	--
	55-12-27	--	2700	--	610	--	105	85	320	--
	62-03-28	--	3410	7.2	765	560	142	100	414	--
	63-04-24	--	3830	7.1	835	619	160	106	505	--
	64-05-27	--	3540	8.1	830	615	156	107	528	--
	65-03-10	16.5	3340	7.9	795	577	152	101	443	--
	68-05-23	12.0	3230	7.8	752	537	140	98	393	34
(C-20-12) 1AAC- 1	81-07-15	15.0	51400	7.5	11000	--	1600	1700	13000	320

selected wells and springs--Continued

DATE OF SAMPLE	SODIUM+ POTAS- SIUM DIS- SOLVED (MG/L AS NA)	BORON, DIS- SOLVED (UG/L AS B)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	ALKA- LINITY FIELD (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	ARSENIC DIS- SOLVED (UG/L AS AS)
78-06-26	--	290	<10	220	40	41	1.6	59	413	--	.34	--
63-05-08	75	0	--	15	16	24	--	30	252	252	--	--
79-08-22	61	100	--	130	16	27	.5	31	228	--	.18	10
80-06-25	--	120	4	140	20	30	1.4	33	258	--	.00	--
81-07-07	--	60	10	--	17	32	.3	25	211	--	.52	9
53-07-22	69	--	--	130	20	43	.5	38	--	273	--	--
61-08-17	77	--	--	131	37	42	.2	35	--	281	--	--
81-07-01	--	110	10	--	36	49	.5	32	285	--	.01	22
55-04-14	--	--	--	281	21	33	--	29	408	--	--	--
81-07-01	--	620	20	--	120	280	1.7	26	931	--	.03	150
55-04-15	--	--	--	66	27	30	--	32	312	--	--	--
60-05-23	177	--	--	337	18	29	--	30	461	--	--	--
61-06-02	--	0	0	343	19	28	3.0	27	470	--	--	--
61-09-01	--	--	--	342	--	28	--	--	--	--	--	--
64-07-30	173	--	--	333	13	32	--	--	460	460	--	--
65-03-08	175	--	--	336	16	30	--	27	--	456	--	--
81-06-29	--	600	3	--	2.3	33	2.1	30	442	--	.06	130
64-07-30	949	--	--	125	285	1330	--	28	2750	2680	--	--
81-07-14	--	3500	40	--	1700	4800	.7	24	9960	--	.58	100
81-07-07	--	3500	60	--	1200	8000	1.1	22	14500	--	.12	700
79-04-24	8.8	--	<10	280	8.7	11	.1	28	<331	--	.26	<1
80-08-19	--	350	20	240	43	30	.4	60	407	--	.00	14
65-06-18	88	--	--	158	25	30	--	31	--	272	--	--
75-07-23	--	160	--	157	20	28	.8	33	272	--	.05	--
77-06-30	--	130	<10	160	19	29	.7	31	274	--	.01	--
78-06-26	--	130	<10	150	21	30	.8	32	272	--	.02	--
79-06-07	85	160	--	160	20	26	.7	31	275	--	<.10	--
80-06-25	--	140	4	150	18	28	.4	32	264	--	.00	--
61-08-21	76	--	--	184	15	20	--	25	263	--	--	--
80-08-19	--	190	10	170	16	20	1.5	24	262	--	.00	18
55-04-15	--	--	--	404	146	181	--	28	952	--	--	--
57-12-04	359	--	--	406	140	180	--	24	--	--	--	--
81-06-30	--	2700	10	--	53	180	1.7	16	896	--	.02	370
80-08-19	--	3700	0	550	340	210	.9	18	1450	--	.63	730
61-08-21	791	--	--	236	387	850	--	36	2220	--	--	--
79-08-22	800	--	--	--	--	--	--	--	--	--	--	590
81-07-01	--	3300	0	--	140	830	2.1	29	1840	--	.02	730
81-07-16	--	2800	370	--	2500	11000	.8	28	20900	--	.00	11
09-09-13	--	--	--	243	188	477	--	19	--	1003	--	--
43-04-11	221	0	--	196	267	400	.3	--	1189	--	--	--
55-12-27	--	--	--	--	370	639	--	--	--	--	--	--
62-03-28	414	--	--	205	463	692	--	28	1970	2050	--	--
63-04-24	505	--	--	216	539	815	--	29	2290	2460	--	--
64-05-27	--	--	--	215	510	870	--	26	2330	--	--	--
65-03-10	--	--	--	218	472	738	--	28	2070	--	--	--
68-05-23	--	0	--	215	470	685	.7	28	1990	2150	--	--
81-07-15	--	7000	450	--	4600	28000	.2	26	49300	--	1.5	84

Table 6.—Temperature and specific conductance of water in selected wells

Location: See explanation of well- and spring-numbering system.
Water temperature: In ^{o}C (degrees Celsius).
Specific conductance: In micromhos per centimeter at $25^{o}C$.

Location	Date	Water temperature	Specific conductance
(C-13-6)26bac-1	8-23-61	15.5	3,280
	8-28-79	16.0	3,000
	7- 7-81	15.0	3,370
(C-14-4)32dbd-1	7-29-75	20.5	3,000
	7-27-76	20.0	3,200
	7-26-77	21.5	3,300
	7-25-79	21.0	3,200
	8-23-79	21.0	3,200
	6-24-80	22.0	3,000
(C-14-5)35cdc-1	9- 1-61	15.5	3,520
	7-30-75	15.5	3,700
	6-30-77	15.5	4,000
	6-27-78	16.0	4,000
	6-19-79	15.5	3,800
36ccc-3	3-23-59	—	2,480
	7- 1-81	17.0	3,200
(C-14-8)25ccc-1	4-26-63	21.5	2,100
	6-30-81	17.5	2,000
(C-15-4)8cba-1	6-23-58	14.5	2,760
	5-23-60	13.5	2,780
	6- 2-61	13.5	2,840
	9- 1-61	13.5	2,880
	5-10-67	13.5	3,030
	8-24-69	13.0	3,140
	8-28-70	13.5	3,120
	7-11-72	12.0	3,310
	7- 9-73	13.5	3,380
	6-28-76	—	3,500
	7-27-76	13.0	3,400
	6-30-77	14.0	3,280
	6-27-78	14.0	3,300
	6-28-79	13.5	3,300
	6-26-80	14.5	3,400
11add-1	10- 8-63	—	1,700
	8-26-64	18.0	1,850
	7-27-76	14.5	2,200
	8- 8-78	15.0	2,200
	8-23-79	15.0	2,500
	7- 1-81	15.5	2,250
17adc-1	7-26-77	15.5	3,250
	7-25-79	16.0	3,200
18daa-1	6-23-58	17.0	1,540
	9- 1-61	16.0	1,660
	8- 2-67	16.0	1,950
	6-17-68	16.5	2,030
	7-11-72	14.5	2,270
(C-15-4)18daa-1	7-19-73	15.5	2,340
	7-23-75	16.0	1,950
	8-30-76	16.0	2,100
	6-30-77	16.5	2,540
	6-27-78	16.5	2,600
	6- 7-79	16.0	2,800
	6-21-79	16.0	2,600
	7-25-79	16.5	2,600
	6-24-80	16.0	2,900
19ccc-1	7-20-77	17.0	390
	7-26-77	17.5	380
	8-23-79	18.5	420
20caa-1	6-14-65	20.5	440
	7-26-77	20.5	480
	6-27-78	20.0	500
	7-25-79	21.0	520
26dcc-1	9- 1-61	15.5	780
	5-10-67	15.0	790
	6-17-68	15.0	850
	6-13-69	14.0	900
	7- 7-70	15.0	960
	7-11-72	14.0	1,050
	7- 9-73	15.0	970
	7- 9-74	15.5	1,000
	7-23-75	15.0	900
	7-27-76	15.0	1,000
	6-30-77	15.5	960
	8- 8-78	15.0	900
	6- 7-79	15.0	950
	8-19-80	15.0	870
	11-14-80	15.0	900
34aaa-1	9- 1-61	15.0	2,320
	7-26-77	15.0	2,700
	7-25-79	15.5	2,400
	8-19-80	15.0	2,000
(C-15-5)1ccb-1	9- 1-61	15.0	1,420
	7-28-76	14.0	1,900
	6-27-78	14.5	2,000
2ddc-1	6-23-58	15.5	1,020
	5-10-67	14.5	1,350
	6-17-68	15.0	1,430
	6-30-77	14.5	1,800
	6-27-78	14.5	1,900
	6- 7-79	14.0	2,050
13bbc-1	6-23-58	15.0	950
	9- 1-61	14.5	1,030
	5-10-67	14.5	1,230

Table 6.—Temperature and specific conductance of water in selected wells--Continued

Location	Date	Water temperature	Specific conductance
(C-15-5)13bbc-1	6-17-68	14.0	1,260
	6- 9-69	12.0	1,300
	7-27-76	14.0	1,500
	6-30-77	14.5	1,530
	6-27-78	14.5	1,550
	6- 7-79	14.0	1,650
26baa-1	4-11-58	—	410
	9- 1-61	17.5	400
	5-10-67	17.5	395
	6-18-68	18.0	400
	7-11-72	16.0	410
	6-30-77	19.0	520
	7-20-77	18.5	540
	6-27-78	19.0	540
	6- 7-79	18.0	550
	8-23-79	19.0	600
27dcc-1	10-22-69	21.0	385
	5- 3-77	22.0	440
	7-25-79	22.5	410
	8-22-79	22.0	450
33dcb-1	9-27-61	21.0	450
	8-21-62	21.5	510
	3- 1-76	—	490
	7-25-79	25.5	410
	8-21-79	—	445
36abc-1	7-28-76	16.5	750
	7-26-77	16.5	690
	6-27-78	17.0	710
	7-25-79	17.0	650
36bcb-1	7-29-75	16.5	530
	7-28-76	16.5	570
	6-27-78	16.0	670
(C-15-6)19cac-1	8-23-61	15.0	760
	8-18-80	15.5	750
(C-15-7)6cdd-3	9-26-61	14.0	1,790
	7- 1-81	15.0	1,700
27daa-1	3-31-80	14.0	800
	11-25-80	14.0	800
28bda-1	7-27-76	17.0	650
	1-21-80	17.5	550
33bcd-1	6-22-62	15.0	510
	1-21-80	14.5	480
36cbb-1	9-27-61	15.5	520
	8-20-80	15.5	510
(C-15-8)8cac-1	3-17-63	14.5	1,590
	6-30-81	22.0	1,500
29ccc-1	3- 7-63	11.5	880
	6-30-81	15.0	860
(C-16-4)18bda-1	8- 1-61	16.5	1,290
	7-27-76	16.0	1,800
	7-26-77	16.5	1,400
	6-27-78	16.5	1,350
19dbd-1	7-27-76	15.0	2,200
	7-26-77	15.0	2,100
	6-27-78	15.0	2,050
	6-21-79	15.0	1,900
	8-19-80	14.5	2.030
30cac-1	7-29-75	14.0	690
	7-26-77	13.5	750
	6-25-80	14.5	750
	7- 9-81	14.0	700
30ddb-1	8- 1-61	14.0	1,400
	7-19-62	13.5	1,350
	3-28-63	13.5	1,350
31bca-1	7-27-76	14.0	570
	8-19-80	13.0	590
(C-16-5)9aaa-1	8- 7-74	24.5	420
	7-25-79	25.0	400
	8-21-79	24.0	400
	9-10-79	25.0	400
	3-21-81	24.5	400
13dba-1	7-26-77	16.5	1,080
	6-27-78	16.5	1,050
18caa-1	7- 8-61	20.0	350
	7-26-77	21.0	325
	8-21-79	21.0	340
19cbd-1	10- 3-60	20.0	320
	6- 2-61	20.0	325
	9- 1-61	20.0	320
	5-18-62	19.5	330
	7-27-64	20.0	315
	3-11-65	19.5	320
	7-26-77	20.0	320
	8-21-79	20.0	340
	9-10-79	20.0	340
(C-16-6)27aaa-1	6-21-79	24.5	360
	7-29-79	25.0	375
(C-16-7)1dcd-1	6-20-79	13.0	620
	8-18-80	13.0	610
3acc-1	7-27-77	17.0	480
	6-26-78	17.0	500
	8-22-79	17.5	500
	3-31-80	17.0	520
4abb-1	4-14-55	13.0	460
	6-20-79	13.0	470

Table 6.—Temperature and specific conductance of water in selected wells--Continued

Location	Date	Water temperature	Specific conductance
(C-16-7)10bad-1	11- 8-61	18.0	440
	11-14-62	18.0	435
	6-26-78	17.5	440
	8-18-80	17.5	445
11ccd-1	3-31-80	16.0	450
	1-30-81	17.0	420
12ccd-1	7-27-77	16.0	450
	6-26-78	16.5	450
	7-26-79	17.0	450
	8-29-79	16.5	480
	6-26-80	16.0	440
	1- 3-81	16.0	430
24bca-1	5- 6-57	23.5	425
	4-30-58	—	410
	5- 2-58	—	415
	5-23-60	23.5	405
	6-28-62	23.0	440
	7-31-64	22.0	425
	6-26-78	23.0	440
	6-26-80	22.0	420
(C-16-8)21bcb-1	12- 3-47	24.5	2,520
	11-15-57	29.0	3,110
	8-26-75	27.5	1,650
21cbb-1	6-28-62	19.0	680
	7-10-74	19.0	750
22bad-2	7-10-74	19.5	650
	6-26-78	20.5	670
	6-25-80	20.0	640
26bdb-2	4-22-59	26.5	840
	6- 2-61	—	920
	9- 1-61	26.5	910
	5- 1-62	26.0	1,040
	4-23-63	26.0	1,050
	7-30-64	26.0	940
	6-16-65	26.0	930
	5-12-66	26.0	930
	6-26-68	26.0	930
	6-13-69	26.0	940
	7- 7-70	26.0	910
	7-12-72	24.0	960
	7-27-76	26.0	920
	6-30-77	26.5	870
	6- 7-79	26.5	950
(C-17-6)6cbd-1	8-17-61	19.0	395
	7- 1-81	24.0	390
17aaa-1	5- 3-63	28.0	380
	6-26-78	27.5	370
	6- 7-79	27.5	375
	6-25-80	27.5	365
26daa-2	7-11-74	16.0	1,000
	6-26-78	15.0	1,050
26daa-3	6-20-62	24.0	550
	7-11-74	22.5	600
	7-27-76	21.0	680
	6-30-77	23.5	610
(C-17-6)26daa-3	6-26-78	21.0	630
28acb-1	5- 8-63	25.0	400
	6-26-78	26.5	360
	8-22-79	26.0	350
29ccc-1	7-29-77	29.0	380
	6-26-78	28.5	410
	7-26-79	27.5	380
	6-25-80	28.0	395
	2-26-81	28.5	410
(C-17-7)1ddd-4	8-17-61	27.0	450
	8-28-62	26.5	450
	8-20-63	26.5	460
	7- 1-81	27.0	440
20cbb-1	4-14-55	17.0	660
	7- 1-81	17.0	1,450
26cac-2	8-22-79	27.0	990
34cbd-2	4-15-55	18.5	740
	5-23-60	17.5	720
	6- 2-61	—	730
	9- 1-61	20.0	730
	7-30-64	19.0	720
	3- 8-65	21.5	730
	6-29-81	15.0	710
(C-17-8)11bbc-1	7-30-64	26.5	4,610
	7-27-76	27.0	5,000
13cdd-1	4-14-55	14.5	840
	12- 4-57	14.5	850
(C-18-6)2bbb-2	3- 2-76	16.5	620
	6-19-79	17.0	600
	8-19-80	16.5	580
6aba-2	6-18-65	27.0	435
	7- 9-74	27.5	420
	7-23-75	27.5	400
	6-30-77	28.0	400
	6-26-78	28.0	430
	6- 7-79	27.5	450
	6-25-80	27.5	430
8cbb-1	8-21-61	17.0	440
	3- 2-76	16.5	400
	3- 6-79	14.5	430
	8-19-80	16.5	405
(C-18-7)5dcd-1	3- 2-76	15.0	470
	6-20-79	17.5	750
17dda-1	8-22-79	16.5	1,250
20abb-1	4-15-55	17.0	1,590
	12- 4-57	19.0	1,600
	6-30-81	15.0	1,600
(C-18-8)1ddd-1	3- 2-76	16.5	2,300
	6-20-79	16.5	2,000
	8-19-80	14.5	2,200
24ada-2	8-21-61	25.5	3,820
	3- 2-76	24.5	3,800
	7- 1-81	25.0	3,500

Table 7.--Total annual withdrawal of water from wells, 1951-81, in acre-feet

Year	Total annual withdrawal	Year	Total annual withdrawal	Year	Total annual withdrawal
1951	1,500	1961	17,000	1971	14,000
1952	3,000	1962	19,000	1972	38,000
1953	3,000	1963	23,000	1973	20,500
1954	4,500	1964	28,000	1974	26,000
1955	4,500	1965	27,000	1975	26,000
1956	6,000	1966	28,500	1976	33,500
1957	6,000	1967	31,500	1977	49,500
1958	8,000	1968	26,500	1978	40,000
1959	14,000	1969	17,500	1979	45,000
1960	15,000	1970	13,000	1980	13,000
				1981	18,000

☆ U.S. Government Printing Office 1982 - 580-765/447 Reg. 8