TABLE 2.--Records of water levels at selected wells, 1977-84--Continued

WELL 26S/39E-8K1 ABOUT 1.5 MI EAST OF RAILROAD TRACKS AND 0.50 MI NORTH OF EXTENSION OF ATHEL STREET. DRILLED UNUSED WATER-TABLE WELL. DIAM 12 IN, DEPTH 180.2 FT IN 1959. ALTITUDE OF LSD 2321 FT. RECORDS AVAILABLE 1946, 1953-54, 1959, 1961 TO CURRENT YEAR.
HIGHEST WATER LEVEL 113.90 FEET BELOW LAND SURFACE DATUM FEB 01, 1946.
LOWEST WATER LEVEL 128.34 FEET BELOW LAND SURFACE DATUM DEC 16, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 08, 1977	125.23	DEC 16, 1979	126.50	JUN 09, 1982	128.17	DEC 16, 1982	128.34
DEC 03, 1978	125.87	DEC 03, 1981	127.91				

WELL 26S/39E-11E1 ABOUT 2.5 MI NORTH OF GOVERNMENT RAILROAD TRACKS AND 3.75 MI EAST OF RAILROAD TRACKS. DRILLED PUBLIC SUPPLY WATER-TABLE WELL. DIAM 16 IN, DEPTH 250 FT. ALTITUDE OF LSD 2305 FT. RECORDS AVAILABLE 1946, 1952-59, 1961-66, 1968, 1970-71, 1973 TO CURRENT YEAR.
HIGHEST WATER LEVEL 102.23 FEET BELOW LAND SURFACE DATUM APR 22, 1952.
LOWEST WATER LEVEL 115.88 FEET BELOW LAND SURFACE DATUM JAN 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 08, 1977	139.20 P	DEC 16, 1979	113.30	DEC 03, 1981	114.26	DEC 16, 1982	114.67
DEC 05, 1978	112.74	JAN 21, 1981	115.88	JUN 09, 1982	114.42	APR 17, 1984	115.32

WELL 26S/39E-12G1 ABOUT 0.30 MI WEST OF EAST CAMERA ROAD AND 2.5 MI WEST OF AIRFIELD. DRILLED UNUSED WATER-TABLE WELL. DIAM 12 IN, DEPTH 137 FT IN 1959. ALTITUDE OF LSD 2277.0 FT. 1953-55, 1957-59, 1961- 62, 1965-72, 1974 TO CURRENT YEAR.
HIGHEST WATER LEVEL 79.60 FEET BELOW LAND SURFACE DATUM JAN 22, 1946.
LOWEST WATER LEVEL 87.61 FEET BELOW LAND SURFACE DATUM DEC 14, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 01, 1977	86.08	DEC 16, 1979	86.72	NOV 19, 1981	87.26	DEC 14, 1982	87.61
DEC 05, 1978	86.43	JAN 21, 1981	87.07	JUN 10, 1982	87.40		

WELL 26S/39E-14E1 ABOUT 3.5 MI EAST OF RAILROAD TRACKS AND 1.75 MI NORTH OF GOVERNMENT RAILROAD TRACKS. DRILLED UNUSED WATER-TABLE WELL. DIAM 10-8 IN, DEPTH 242.3 FT IN 1952. ALTITUDE OF LSD 2334.2 FT. RECORDS AVAILABLE 1946, 1952-59, 1961 TO CURRENT YEAR.
HIGHEST WATER LEVEL 126.50 FEET BELOW LAND SURFACE DATUM JAN 22, 1946.
LOWEST WATER LEVEL 147.13 FEET BELOW LAND SURFACE DATUM DEC 15, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 08, 1977	145.10	DEC 16, 1979	146.02	DEC 03, 1981	146.63	DEC 15, 19	7.13
DEC 03, 1978	145.51	JAN 21, 1981	146.34	JUN 09, 1982	146.83		

WELL 26S/39E-19Q1 AT INYOKERN. DRILLED UNUSED WATER-TABLE WELL IN GRAVEL OF QUATERNARY AGE. DIAM 16 IN, DEPTH 371 FT, CASED TO 256 FT. ALTITUDE OF LSD 2418.3 FT. RECORDS AVAILABLE 1945, 1952-64, 1966-73, 1975 TO CURRENT YEAR.
HIGHEST WATER LEVEL 207.50 FEET BELOW LAND SURFACE DATUM SEP 07, 1945.
LOWEST WATER LEVEL 225.44 FEET BELOW LAND SURFACE DATUM DEC 12, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15, 1977	223.37	DEC 01, 1978	224.06	DEC 12, 1979	225.44	DEC 03, 1981	229.05 S

WELL 26S/39E-19Q2 AT INYOKERN. DRILLED INDUSTRIAL WATER-TABLE WELL. DIAM 16 IN, DEPTH 560 FT, PERFORATED 300- 510 FT; OPEN HOLE 510-560 FT. ALTITUDE OF LSD 2418 FT. RECORDS AVAILABLE 1967-68, 1970, 1973 -79, 1981.
HIGHEST WATER LEVEL 208.20 FEET BELOW LAND SURFACE DATUM APR 21, 1970.
LOWEST WATER LEVEL 228.00 FEET BELOW LAND SURFACE DATUM JUN 16, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15, 1977	221.97	DEC 01, 1978	222.33	DEC 12, 1979	223.97S	JUL 27, 1981	N

WATER QUALITY

Water samples were collected for chemical analysis from 85 wells during 1977-84. The location of wells is shown on plate 1. Some wells were sampled intermittently, and others were sampled only once. Water-quality samples were analyzed for the following dissolved constituents and properties:

specific conductance
pH
temperature
hardness
noncarbonate hardness
calcium
magnesium
sodium
percent sodium
sodium-adsorption ratio
potassium
alkalinity
sulfate
chloride
fluoride
silica
dissolved solids
nitrite plus nitrate
orthophosphorus
boron
iron

Samples from selected wells were also analyzed for dissolved and (or) total nutrients, trace metals, and organic compounds.

Where possible, samples were collected from pumped wells. Where pumped wells were not available, wells were pumped with a portable submersible pump. Specific conductance of discharge water was monitored, and sampling was delayed until after specific conductance had stabilized and at least 1 1/2 times the casing volume had been pumped. Untreated water was then collected from the wells. Water samples were not collected after pressure tanks or treatment apparatus had been used. If untreated water could not be obtained from a well, that well was not sampled. At the time a sample was collected, temperature, specific conductance, pH, and alkalinity were measured. Samples for dissolved constituents were filtered in the field through 0.45-µm-pore-size cellulose acetate-membrane filters. Samples for cations were acidified with nitric acid to a pH of less than 2. Nutrient samples were treated with mercuric chloride tablets to prevent organism growth. Samples were chilled to 4°C and sent to the U.S. Geological Survey Water-Quality Laboratory in Denver, Colorado, for analysis. The results of these analyses are shown in table 3.

TABLE 3.--Chemical analyses of water from selected wells, 1977-84

[Location of wells shown on plate 1. The analysis of each sample is displayed as one line on four consecutive pages; <, actual value is known to be less than the value shown; --, not analyzed]

Well	Date	Time	Depth of well, Total (ft)	Specific conductance (µS/cm)	pH (standard units)	Temperature (°C)	Hardness (mg/L as $CaCO_3$)	Hardness, noncarbonate (mg/L $CaCO_3$)	Calcium, dissolved (mg/L as Ca)	Magnesium, dissolved (mg/L as Mg)	Sodium, dissolved (mg/L as Na)
24S/38E-16J2	82-06-15	1430	611	2010	7.4	25.5	390	0	72	50	350
24S/38E-33J2	82-06-15	1330	375	1080	6.9	25.0	430	0	100	44	81
25S/38E-13L1	82-06-15	1230	--	820	7.6	25.0	250	0	65	21	86
25S/39E-4R1	78-07-31	--	200	1100	7.4	--	260	0	50	34	150
	80-03-29	--	200	1400	7.8	--	280	0	56	33	180
25S/39E-9J1	78-07-31	--	--	800	7.6	--	220	0	45	27	100
	79-05-04	--	--	820	7.7	--	230	0	43	29	120
	80-03-29	--	--	900	8.0	--	210	0	45	24	110
25S/39E-12R1	78-07-31	--	--	1100	7.5	--	210	0	45	24	160
	79-05-04	--	--	1040	7.8	--	200	0	38	26	160
	80-03-29	--	--	1200	7.9	--	200	0	44	23	180
25S/39E-35N1	78-07-31	--	--	680	7.2	--	150	24	40	13	100
	80-03-29	--	--	780	7.9	--	120	0	40	6.0	110
25S/40E-8A1	78-06-20	1835	193	1930	7.7	20.5	170	0	33	22	330
	79-05-16	1520	193	1900	7.9	20.5	190	0	38	23	340
	80-05-20	1740	193	1800	7.8	19.5	180	0	34	23	340
	82-06-09	1245	193	1740	7.8	20.0	180	0	35	23	330
25S/40E-11K1	82-06-09	1130	--	2120	8.5	19.5	15	0	3.4	1.7	520
25S/40E-18R1	78-06-21	1645	--	8400	9.3	22.0	34	0	3.6	6.0	2300
	79-05-16	1715	--	2800	8.7	20.0	31	0	4.5	4.9	650
	80-05-20	1510	--	1400	8.6	22.5	34	0	5.2	5.1	320
	82-06-09	1400	--	965	8.5	22.0	73	0	13	9.8	190
25S/40E-20F1	78-06-20	1730	--	1020	8.4	19.0	82	0	25	4.7	180
	79-05-16	1845	--	720	8.2	20.0	100	0	27	9.1	130
	80-05-20	1600	--	780	8.2	19.5	130	0	31	13	120
	82-06-09	1500	--	745	8.1	21.0	160	0	37	17	110
25S/40E-33L1	78-06-21	1530	171	44100	9.9	23.5	2	0	.3	.3	15000
	80-05-21	0950	171	52700	9.3	21.5	17	0	5.0	1.0	20000
	82-06-09	1715	171	51600	9.9	22.0	4	0	.4	.7	15000
25S/40E-33L2	78-06-21	1515	22	2600	8.7	23.0	51	0	8.2	7.5	530
	79-05-31	1015	22	2600	8.7	21.0	45	0	6.5	7.0	470
	80-05-22	0915	22	2010	8.4	20.0	41	0	5.0	7.0	480
	82-06-09	1645	22	2250	8.8	23.0	45	0	7.7	6.3	500
25S/41E-21E1	78-07-31	--	188	3840	7.3	--	350	280	88	32	940
26S/38E-35B1	82-06-15	1030	--	300	8.8	29.0	12	0	4.0	.51	68
26S/39E-5F1	78-07-31	--	--	900	7.4	--	210	57	58	15	110
	80-03-29	--	--	950	7.9	--	200	55	60	11	120
26S/39E-11E1	78-07-31	--	--	700	7.3	--	190	25	58	9.8	81
	79-05-04	--	--	750	7.6	--	170	5	53	8.8	91
	80-03-29	--	--	780	7.8	--	170	0	57	6.0	84
26S/39E-19K1	78-07-31	--	--	800	7.5	--	210	160	69	8.8	56
	79-05-04	--	--	700	7.8	--	200	150	59	12	65
	80-03-29	--	--	740	8.1	--	190	130	63	7.0	64
26S/39E-19P1	78-07-31	--	--	520	7.4	--	120	40	35	6.8	61
	79-05-04	--	--	520	7.8	--	120	40	32	9.8	60
	80-03-29	--	--	720	7.9	--	150	88	54	4.0	73
26S/39E-19Q1	78-07-31	--	--	710	7.3	--	160	89	53	5.9	72
	79-05-04	--	--	850	7.8	--	230	180	74	9.8	95
	80-03-29	--	--	770	8.1	--	160	97	56	4.0	75
26S/39E-23J1	78-07-31	--	660	470	7.4	--	120	52	38	6.0	23
	79-05-04	--	660	380	7.9	--	130	41	34	9.8	35
26S/39E-24K1	79-05-04	--	301	800	7.6	--	180	45	54	12	130
26S/39E-24M1	78-07-31	--	800	360	7.7	--	73	0	21	5.0	27
	79-05-04	--	800	310	8.1	--	91	11	22	8.8	39
	80-03-29	--	800	410	8.2	--	67	0	22	3.0	42

TABLE 2.--Records of water levels at selected wells, 1977-84--Continued

WELL 26S/38E-26G1 ABOUT 2 MI WEST OF INYOKERN. DRILLED UNUSED WELL. DIAM 8.62 IN, DEPTH 502 FT, PERFORATED 442-502 FT. ALTITUDE OF LSD 2535 FT. RECORDS AVAILABLE 1979 TO CURRENT YEAR.
HIGHEST WATER LEVEL 366.58 FEET BELOW LAND SURFACE DATUM DEC 18, 1980.
LOWEST WATER LEVEL 367.05 FEET BELOW LAND SURFACE DATUM NOV 18, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 02, 1979	367.00	DEC 18, 1980	366.58	NOV 18, 1981	367.05

WELL 26S/38E-35B1 ABOUT 2 MI WEST OF INYOKERN AND 0.5 MI SOUTH OF HWY 178. DRILLED DOMESTIC WELL. DIAM 6.62 IN, DEPTH 400 FT, PERFORATED 340-400 FT. ALTITUDE OF LSD 2560 FT. RECORDS AVAILABLE 1978, 1981 TO CURRENT YEAR.
HIGHEST WATER LEVEL 334.62 FEET BELOW LAND SURFACE DATUM NOV 18, 1981.
LOWEST WATER LEVEL 351.03 FEET BELOW LAND SURFACE DATUM MAR 04, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 05, 1978	336.00	MAR 04, 1981	351.03	NOV 18, 1981	334.62

WELL 26S/39E-2C1 ABOUT 0.55 MI WEST OF EAST CAMERA ROAD AND 3.85 MI NORTH OF GOVERNMENT RAILROAD. DRILLED UNUSED WATER-TABLE WELL. DIAM 12 IN, DEPTH 76.4 FT IN 1952. ALTITUDE OF LSD 2248.3 FT. RECORDS AVAILABLE 1946, 1952-54, 1959, 1962, 1965-66, 1969 TO CURRENT YEAR.
HIGHEST WATER LEVEL 54.27 FEET BELOW LAND SURFACE DATUM JUN 21, 1954.
LOWEST WATER LEVEL 58.98 FEET BELOW LAND SURFACE DATUM JAN 21, 1981.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 07, 1977	57.81	DEC 02, 1978	57.98	DEC 16, 1979	58.18	JAN 21, 1981	58.98

WELL 26S/39E-2N1 ABOUT 4 MI EAST OF RAILROAD TRACKS AND 2.75 MI NORTH OF GOVERNMENT RAILROAD TRACKS. DRILLED UNUSED WATER-TABLE WELL. DIAM 12 IN, DEPTH 158.5 FT IN 1953. ALTITUDE OF LSD 2285.7 FT. RECORDS AVAILABLE 1946, 1953, 1959, 1962 TO CURRENT YEAR.
HIGHEST WATER LEVEL 82.60 FEET BELOW LAND SURFACE DATUM JAN 24, 1946.
LOWEST WATER LEVEL 95.38 FEET BELOW LAND SURFACE DATUM DEC 15, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 07, 1977	93.03	DEC 16, 1979	94.00	NOV 18, 1981	94.90	DEC 15, 1982	95.38
DEC 02, 1978	93.52	JAN 21, 1981	94.36				

WELL 26S/39E-5F1 ABOUT 1.25 MI EAST OF RAILROAD TRACKS AND 0.25 MI SOUTH OF EXTENSION OF LELITER ROAD. DRILLED PUBLIC SUPPLY WATER-TABLE WELL. DIAM 10 IN, DEPTH 200 FT, PERFORATED 100-200 FT. ALTITUDE OF LSD 2276.7 FT. RECORDS AVAILABLE 1952-55, 1957-58, 1962 TO CURRENT YEAR.
HIGHEST WATER LEVEL 71.22 FEET BELOW LAND SURFACE DATUM SEP 09, 1952.
LOWEST WATER LEVEL 84.07 FEET BELOW LAND SURFACE DATUM JUN 09, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 07, 1977	81.05	DEC 16, 1979	82.26	NOV 17, 1981	83.64	JUN 09, 1982	84.07
DEC 05, 1978	81.42						

WELL 26S/39E-7N1 ABOUT 0.50 MI WEST OF RAILROAD TRACKS AND ON ATHEL STREET. DRILLED UNUSED WATER-TABLE WELL. DIAM 12 IN, DEPTH 368 FT IN 1952. ALTITUDE OF LSD 2394.3 FT. RECORDS AVAILABLE 1946, 1952-53, 1958, 1960-62, 1964-76, 1978 TO CURRENT YEAR.
HIGHEST WATER LEVEL 184.11 FEET BELOW LAND SURFACE DATUM OCT 20, 1953.
LOWEST WATER LEVEL 207.65 FEET BELOW LAND SURFACE DATUM DEC 12, 1979.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13, 1978	198.54	DEC 12, 1979	207.65	NOV 19, 1981	204.16	JUN 10, 1982	202.70
DEC 06	199.12						